

Govt. of N.C.T. of Delhi
DELHI TECHNOLOGICAL UNIVERSITY
(Formerly Delhi College of Engineering)
Shahbad Daulatpur, Bawana Road-Delhi-42

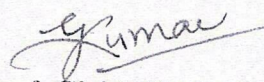
F. No. DTU/R&D/2026/11/3547

Date: 08/07/2026

To
All HoDs
Delhi Technological University
Delhi.

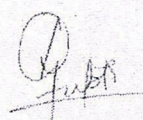
Dear Sir/Madam,

Please find enclosed herewith the **tentative list of Eligible/Non-Eligible Researchers** for "Award for Published Papers" under Research Excellence and Innovation Awards 2026. It is requested that the applicants may register their suggestion(s)/objection(s), if any related to this tentative list latest by 18th July 2026 by sending an email at ird@dtu.ac.in. If no response receives up to 18th July 2026, it will be presumed that the applicant has no suggestion/objection with the list.


(Prof. Girish Kumar)
Dean (R&D)

Copy to

1. PS to the Hon'ble Vice Chancellor, DTU.
2. Head, Computer Centre with a request to upload the same on the DTU's website.
3. All HoDs.
4. Guard File.

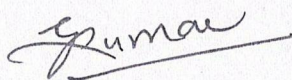
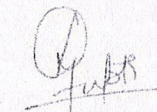

(Dr. Lovleen Gupta),
Coordinator (Awards/Events/Outreach)

Copy of Scrutiny_PublishedPapers_RIEA 2026

B Category_TentativeList

Tentative List of Eligible/Not Eligible applicants for "Published Paper Award", Category B, RIEA 2026

S.No.	Name of the applicant	Department Name	Title of the paper	Journal Name	Name of the awardee	Faculty / Student	Employee ID (For Faculty only)	Eligible	Remarks
1	Goonjan Jain	Applied Mathematics	Supposititious Sarcasm Detection and Sentiment Analysis Coping Hindi Language in Social Networks. Harnessing Zipf- Mandelbrot Probabilistic Optimisation and Perplexity Entropy Learning	ACM Transactions on Asian and Low-Resource Language Information Processing	Goonjan Jain	Faculty	8681		
					Himani Pokhriyal			Not Eligible	Paper is open access or APC paid
2	RASHI JAIN	Applied Mathematics	Quantum cloning transformation unlocks the potential of W class of states in a controlled quantum secured direct communication protocol	Physica Scripta	RASHI JAIN	Student			
					Satyabrata Adhikari	Faculty	8744	Not Eligible	Eligible in Category C. The candidate applied in Category C as well.
3	Mukhtiyar Singh	Applied Physics	Existence of dual topological phases in Sn-based ternary chalcogenides	Physical Review B	Mukhtiyar Singh	Faculty	8686		
					Ramesh Kumar	Student	-	Eligible	
4	HARISH	Civil Engineering	Eco-friendly concrete: A dual surface modification approach for enhanced mechanical performance of recycled coarse aggregates	Journal of Materials in Civil Engineering, (ASCE)	HARISH	Student	-		
					Awadhesh Kumar	Faculty		Eligible	
5	Harish Panghal	Civil Engineering	Eco-friendly concrete: A dual surface modification approach for enhanced mechanical performance of recycled coarse aggregates	Journal of Materials in Civil Engineering, (ASCE)	HARISH	Student	-		
					Awadhesh Kumar	Faculty		Not Eligible	Duplicate Entry at S.No. 4
6	Harish Panghal	Civil Engineering	Eco-friendly concrete: A dual surface modification approach for enhanced mechanical performance of recycled coarse aggregates	Journal of Materials in Civil Engineering, (ASCE)	HARISH	Student	-		
					Awadhesh Kumar	Faculty		Not Eligible	Duplicate Entry at S.No. 4
7	Anil Singh Parihar	Computer Science & Engineering	Uncertainty and Noise Aware Decision Making for Autonomous Vehicles: A Bayesian Approach	IEEE Transactions on Vehicular Technology	Anil Singh Parihar	Faculty	8192		
					Rewat Sachdeva				
					Raghav Gakhar			Conditionally Eligible	Multiple Corresponding authors. Eligible subject to submission of proof of correspondence from the applicant
					Sharad Awasthi				
					Kavinder Singh	Faculty	8025		
					Ashutosh Pandey				
8	Kirti Jain	Computer Science & Engineering	NLP enabled recommendation of hashtags for Covid based tweets using Hybrid BERT -LSTM model	ACM transaction on Asian and low resource language information processing	Kirti Jain	Student	-		
					Rajni Jindal	Faculty		Not Eligible	Volume and Pagination not in 2025
9	Minni Jain	Computer Science & Engineering	LSI-EGT: Life Stressors Identification Using Context-Aware Embedding and Graph Transformer	IEEE Transactions on Computational Social Systems	Minni Jain	Faculty	8662		
					Roopal Shakya	Student	-	Eligible	
10	Minni Jain	Computer Science & Engineering	Automatic Construction of Interval-Valued Fuzzy Hindi WordNet using Lexico-Syntactic Patterns and Word Embeddings	ACM Transactions on Asian and Low-Resource Language Information Processing	Minni Jain	Faculty	8662		
					Rajni Jindal	Faculty		Not Eligible	Volume and Pagination not in 2025
11	NEMALIKANTI ANAND	Computer Science & Engineering	Building Enhanced Neural Network Models to Predict Energy Storage Density of Composite Materials for Low-Temperature Thermochemical Energy Storage	Journal of Energy Resources Technology, Part A: Sustainable and Renewable Energy & Transactions of the ASME	NEMALIKANTI ANAND	Faculty	8385	Not Eligible	Journal not listed in JCR 2024
12	Nikhil Sharma	Computer Science & Engineering	Multi-attention DeepCRNN: an efficient and explainable intrusion detection framework for Internet of Medical Things environments	Knowledge and Information Systems	Nikhil Sharma	Student			
					Prashant Giridhar Shamoharkar	Faculty	8854	Not Eligible	Eligible in Category C. The candidate applied in Category C as well.

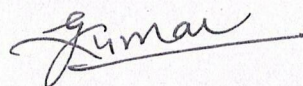
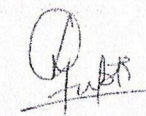
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B Category_TentativeList

Tentative List of Eligible/Not Eligible applicants for "Published Paper Award", Category B, RIEA 2026

S.No.	Name of the applicant	Department Name	Title of the paper	Journal Name	Name of the awardee	Faculty / Student	Employee ID (For Faculty only)	Eligible	Remarks
13	Nikhil Sharma	Computer Science & Engineering.	Multi-layered security architecture for IoMT systems: integrating dynamic key management, decentralized storage, and dependable intrusion detection framework	International Journal of Machine Learning and Cybernetics	Nikhil Sharma	Student	-	Not Eligible	Eligible in Category C. The candidate applied in Category C as well.
					Prashant Giridhar Shambharkar	Faculty	8864		
14	Nikhil Sharma	Computer Science & Engineering.	Transforming security in internet of medical things with advanced deep learning-based intrusion detection frameworks	Applied Soft Computing	Nikhil Sharma	Student	-	Not Eligible	Eligible in Category C. The candidate applied in Category C as well.
					Prashant Giridhar Shambharkar	Faculty	8864		
15	Rajeev Kumar	Computer Science & Engineering.	Intelligent Energy-Aware Routing via Protozoa Behavior in IoT-Enabled WSNs	IEEE Transactions on Network and Service Management	Rajeev Kumar	Faculty	8031	Not Eligible	Volume and Pagination not in 2025
16	Sanjay Kumar	Computer Science & Engineering.	EAGLE: Enhanced Activity Recognition in Occluded Environments With Improved GAIN and Bi-LSTM	IEEE Transactions on Computational Social Systems	Sanjay Kumar	Faculty	8658	Conditionally Eligible	Multiple Corresponding authors. Eligible subject to submission of proof of correspondence from the applicant
					Diksha Kurchaniya				
17	Anup Kumar Mandpura	Electrical Engineering.	Power Allocation and CAR Optimization in Multiuser Dual-Hop RF/FSO DF Relaying Systems With Channel Estimation Error	IEEE Transactions on Green Communications and Networking	Anup Kumar Mandpura	Faculty	8670	Eligible	
					Rekha Rani				
					N. Jayanthi	Faculty	8182		
18	Apoorva Choumal	Electrical Engineering.	A Unified Prediction-Dispatch Framework for PV Power Scheduling Using Reinforcement Learning	IEEE Transactions on Consumer Electronics	Apoorva Choumal	Student	-	Eligible	
					M. Rizwan	Faculty	8054		
					Shatakshi Jha	Faculty			
19	Ashutosh Gupta	Electrical Engineering.	Controller Design and Modeling of a Single-Switch Fifth-Order High-Voltage-Gain Converter With Parasitics for Electric Vehicle Charging	IEEE Transactions on Transportation Electrification	Ashutosh Gupta	Student	-	Conditionally Eligible	Multiple Corresponding authors. Eligible subject to submission of proof of correspondence from the applicant
					Dheeraj Joshi	Faculty	8338		
20	Deepak Kumar	Electrical Engineering.	Towards Green AI: Energy-Efficient State of Health Estimation and Degradation Analysis of Commercial Lithium-Ion Batteries Based on Deep Learning and Filter Technique Approach	IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS	Deepak Kumar	Student	-	Not Eligible	Volume and Pagination not in 2025
					M. Rizwan	Faculty	8054		
					Amrith K. Panwar	Faculty			
21	HIMANSHU SINGH	Electrical Engineering.	DC link Voltage Stabilization and Control of WRIG Based WECS	IEEE Transaction on industry applications	HIMANSHU SINGH	Faculty	8674	Not Eligible	Volume and Pagination not in 2025
					Madhusudan singh	Faculty			
22	Mayank Kumar	Electrical Engineering.	Fault-Tolerant Multiport DC-DC Converter with Reduced Current Ripple and Step-Up/Down Voltage Gain Charging Capability	IEEE Transactions on Transportation Electrification	Mayank Kumar	Faculty	8791	Eligible	
					Rushiv Bansal				
					Rishabh Bansal				
					Madhusudan Singh	Faculty			
23	MD. MODASSIR MASOOM	Electrical Engineering.	Design and Characterization of Solar PV fed Fault Tolerant Multiport Converter with Reduced Current Ripple	IEEE Transactions on Industry Applications	MD. MODASSIR MASOOM	Student	-	Eligible	
					MAYANK KUMAR	Faculty	8791		
					NARENDRA KUMAR	Faculty	8241		

7/7/2026

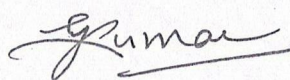
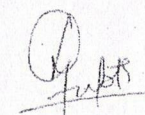
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B Category_TentativeList

Tentative List of Eligible/Not Eligible applicants for "Published Paper Award", Category B, RIEA 2026

S.No.	Name of the applicant	Department Name	Title of the paper	Journal Name	Name of the awardee	Faculty / Student	Employee ID (For Faculty only)	Eligible	Remarks
24	Shubham Gupta	Electrical Engineering.	Aggregation of Distributed Energy Resources for Optimal Operation in Local Energy Communities With Grid Constraints	IEEE Transactions on Industrial Informatics	Shubham Gupta	Student	-	Eligible	
					Vinod Kumar Yadav				
					Madhusudan Singh	Faculty			
25	Aapurva Kaul	Electronics and Communication Engineering.	Analytical Modelling of Temperature Resilient Cylindrical Gate Engineered Ferroelectric Nanowire Field Effect Transistor	IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION	Aapurva Kaul	Student	-	Eligible	
					SNEHLATA YADAV				
					SONAM REWARI	Faculty	8828		
					DEVA NAND	Faculty	8088		
26	Ayush Dahiya	Electronics and Communication Engineering.	A Variation Tolerant Write Assist: Read Decoupled 9T SRAM Cell for Low Voltage Application	ACM Transac4ons on Design Automa4on of Electronic Systems	Ayush Dahiya	Student	-	Eligible	
					Vansh Singhal				
					Poornima Mittal	Faculty	8747		
27	Chhavi Dhiman	Electronics and Communication Engineering.	Cross-Modal Pedestrian Behavior Prediction: A Dual-Task Approach with Progressive Denoising Attention and CVAE	IEEE Transactions on Intelligent Transportation Systems (T-ITS)	Chhavi Dhiman	Faculty	8815	Eligible	
					Neha Sharma	Student	-		
					S. Indu	Faculty	8200		
28	Divya Arora Bhayana	Electronics and Communication Engineering.	Trans-Convo-Former Net for Hierarchical Prediction of Household Images	ACM Transactions on Multimedia Computing, Communications, and Applications	Divya Arora Bhayana	Student	-	Eligible	
					Om Prakash Verma	Faculty	8131		
29	Ishaan Sharma	Electronics and Communication Engineering.	High-Speed Compute-Efficient Bandit Learning for Many Arms	IEEE Transactions on Very Large Scale Integration (VLSI) Systems	Ishaan Sharma	Student	-	Not Eligible	Paper is open access or APC paid
					Rohit Kumar	Faculty			
30	Ishaan Sharma	Electronics and Communication Engineering.	High-Speed Compute-Efficient Bandit Learning for Many Arms	IEEE Transactions on Very Large Scale Integration (VLSI) Systems	Ishaan Sharma	Student	-	Not Eligible	Duplicate Entry at S. No. 29
					Rohit Kumar	Faculty			
31	MANJEET KUMAR	Electronics and Communication Engineering.	Development of an STM32-Based Noninvasive Hemoglobin Measurement System Using Multiwavelength Photoplethysmography	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	MANJEET KUMAR	Faculty	8830	Eligible	
32	Rekha Rani	Electronics and Communication Engineering.	Power Allocation and CAR Optimization of Dual-Hop Multiuser RF and Hybrid FSO/RF With Co-Channel Interference	IEEE Transactions on Green Communications and Networking	Rekha Rani	Student	-	Not Eligible	Volume and Pagination not in 2025
					N. Jayanthi	Faculty	8182		
					Anup Kumar Mandpura				
33	Anant Bhardwaj	Mechanical Engineering.	Analysis of thermal additive centrifugal abrasive flow machining process with improved electrode geometry	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	Anant Bhardwaj	Faculty	8435	Not Eligible	Publisher is not from Category A, B or C.
					Kroovidi Srinivas	Faculty			
					Rajiv Chaudhary	Faculty			
34	ANIL KUMAR	Mechanical Engineering.	Simulation of GPU3 Stirling Engine with Air as Working Fluid	Journal of Energy Resources Technology	ANIL KUMAR	Faculty	8783	Not Eligible	Journal not listed in JCR 2024
					Vaibhav Singh				
35	Anil Kumar	Mechanical Engineering.	Evaluating Drying Behavior and Efficiency in Varied Shaped Samples Using Solar Drying: A Morphological and Kinetic Study	Journal of Thermal Science and Engineering Applications	Anil Kumar	Faculty	8783	Eligible	

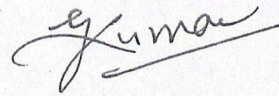
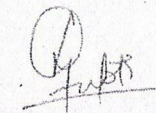



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B Category_TentativeList

Tentative List of Eligible/Not Eligible applicants for "Published Paper Award", Category B, RIEA 2026

S.No.	Name of the applicant	Department Name	Title of the paper	Journal Name	Name of the awardee	Faculty / Student	Employee ID (For Faculty only)	Eligible	Remarks
36	Anil Kumar	Mechanical Engineering.	Greenhouse Gas Mitigation Potential Through Clean Energy for Cement Production in India Available to Purchase	JOURNAL OF SOLAR ENERGY ENGINEERING	Anil Kumar	Faculty	8783	Eligible	
					Niranjana Sahoo	Student			
37	NIRANJAN SAHOO	Mechanical Engineering.	Greenhouse Gas Mitigation Potential Through Clean Energy for Cement Production in India Available to Purchase	JOURNAL OF SOLAR ENERGY ENGINEERING	NIRANJAN SAHOO	Student		Not Eligible	Duplicate Entry at S.No. 36
					ANIL KUMAR	Faculty	8783		
38	Rajendra Prasad	Mechanical Engineering.	Wear Characteristics of Dissimilar SDSS 2507â€³IN 718 Parts Fabricated by Cold Metal Transfer-Based Wire Arc Additive Manufacturing	Journal of Tribology -ASME	Rajendra Prasad	Faculty	8440	Eligible	
					Narayana Yuvaraj	Faculty			
					Vipin	Faculty		Not Eligible	Volume and Pagination not in 2025
39	Rajendra Prasad	Mechanical Engineering.	Enhancement of wear properties of dissimilar SDSS 2507-IN718 alloy wall via ultrasonic vibration assisted cold metal transfer based wire arc additive manufacturing	Journal of Tribology-ASME	Rajendra Prasad	Faculty	8440		
					Narayana Yuvaraj	Faculty			
					Vipin	Faculty			
					Qasim Murtaza	Faculty		Eligible	
40	Rajendra Prasad	Mechanical Engineering.	Ultrasonic vibration-assisted cold metal transfer direct energy deposition of dissimilar SDSS2507â€³IN718 alloy parts: microstructural and mechanical characterization	Journal of Engineering Materials and Technology	Rajendra Prasad	Faculty	8440		
					Narayana Yuvaraj	Faculty			
					Vipin	Faculty		Not Eligible	Publisher is not from Category A, B or C.
41	Rajendra Prasad	Mechanical Engineering.	Optimization of process parameters of cold metal transfer welding-based wire arc additive manufacturing of super Duplex stainless steel using response surface methodology	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	Rajendra Prasad	Faculty	8440		
					Narayana Yuvaraj	Faculty			
					Vipin	Faculty		Eligible	
42	Rajesh Kumar	Mechanical Engineering.	Proposal and evaluation of a novel solar thermal driven cooling-power cogeneration system	Journal of Thermal Science and Engineering Applications	Rajesh Kumar	Faculty	8327		
43	Ranjeet Kumar Singh	Mechanical Engineering.	Optimization of process parameters to minimize the wear loss of Al7075 T6/ B4C composites developed by stir casting process	Proc IMechE Part C: J Mechanical Engineering Science	Ranjeet Kumar Singh	Student		Not Eligible	Publisher is not from Category A, B or C.
					R.C. Singh	Faculty			
44	Soni Kesarwani	Mechanical Engineering.	Wear Performance Enhancement of Interface Layer in Cold Metal Transfer-Based WAAM-Fabricated ER4043/ER5356 Bimetallic Wall Through Friction Stir Surface Treatment	Journal of Tribology	Soni Kesarwani	Student		Eligible	
					Narayana Yuvaraj	Faculty			
					Mahendra Singh Niranjana	Faculty			
45	Srinivas Kroviddi	Mechanical Engineering.	The effect of reinforcement particle weight percentage on the mechanical and microstructural properties of AA 2024-based metal matrix composite	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	Srinivas Kroviddi	Faculty	8106	Not Eligible	Publisher is not from Category A, B or C.
					Rohit Sahu				
					Atul Kumar Agrawal	Faculty			
46	Subhajit Konar	Mechanical Engineering.	Investigations on Formability Enhancement of Friction Stir Tailor-Welded Blanks	Journal of Engineering Materials and Technology	Subhajit Konar	Student		Eligible	
					Vijay Gautam	Faculty			

B Category_TentativeList

S.No.	Name of the applicant	Department Name	Title of the paper	Journal Name	Name of the awardee	Faculty / Student	Employee ID (For Faculty only)	Eligible	Remarks
47	Vaibhav Singh	Mechanical Engineering.	Simulation of Ground Power Unit-3 Stirling Engine With Air as Working Fluid	Journal of Energy Resources Technology, Part A: Sustainable and Renewable Energy	Vaibhav Singh	Student	-	Not Eligible	Duplicate Entry at S.No. 34
					Anil Kumar	Faculty	8783		
48	Varsha Mishra	Mechanical Engineering.	A comparative study on weld-bead geometry of austenitic stainless-steel produced by cold metal transfer welding and pulse metal inert gas welding process	Proceedings of the Institution of Mechanical Engineers Part E- Journal of Process Mechanical Engineering	Varsha Mishra	Student	-	Not Eligible	Publisher is not from Category A, B, or C.
					Narayana Yuvaraj	Faculty			
					VIPIN	Faculty			
49	Priya Malhotra	USME.	Dynamic nexus of clean energy metals, energy commodities and traditional assets: Multidimensional techniques and portfolio analysis	Research in International Business and Finance	Priya Malhotra	Faculty	8723	Not Eligible	Paper is open access or APC paid. Also, falls in Category C

gumar

Sub