

S.no.	Name of Applicant	Department Name	Category of Applicant	Title of Paper	Category of Award	Prize money / certificate	Total money	Allocated money without external	Principle author	Co-authors	
1	Dr. Goonjan Jain	Applied Mathematics	Faculty	Word Sense Disambiguation using Cooperative Game Theory and Fuzzy Hindi WordNet based on ConceptNet	B	Prize money for Dr. Goonjan jain	100000	50000	50000 to Dr. Goonjan jain		
2	RADHIKA KAVRA	Applied Mathematics	Student	Systematic study of topology control methods and routing techniques in wireless sensor networks.	C	Prize money for Radhika kavra , Anjana gupta & Sangita kansal	50000	50000	16666.67 to Radhika kavra	16666.67 to Anjana gupta	16666.67 to Sangita Kansal
3	R Srivastava	Applied Mathematics	Faculty	Pricing of the geometric Asian options under a multifactor stochastic volatility model	C	Prize money for R. Srivastava , Gifty Malhotra & H.C.Taneja	50000	50000	16666.67 to R .Srivastava	16666.67 to Gifty Malhotra	16666.67 to H.C.Taneja
4	Vivek Kumar Aggarwal	Applied Mathematics	Faculty	Finite element analysis of the singularly perturbed parabolic reaction-diffusion problems with retarded argument	C	Prize money for Vivek Kumar agarwal & Kartikey Khari	50000	50000	37500 to Vivek kumar aggarwal	12500 to Kartikey Khari	

5	Ruchika	Applied Mathematics	Student	A comparative study of high-resolution methods for nonlinear hyperbolic problems	B	Prize money for Ruchika & Vivek kumar aggarwal	100000	100000	75000 to Ruchika	25000 to Vivek kumar aggarwal	
6	kamaljeet	Applied Mathematics	Student	Bohr-Rogosinski Phenomenon for $\mathcal{S}^*(\psi)$ and $\mathcal{C}(\psi)$	C	Prize money for Kamaljeet Gangania and S. Sivaprasad Kumar	50000	50000	25000 to Kamaljeet Gangania	25000 to S. Sivaprasad Kumar	
7	kamaljeet	Applied Mathematics	Student	$\mathcal{S}^*(\phi)$ and $\mathcal{C}(\phi)$ -Radii for some Special functions	C	Prize money for Kamaljeet Gangania and S. Sivaprasad Kumar	50000	50000	25000 to Kamaljeet Gangania	25000 to S. Sivaprasad Kumar	
8	kamaljeet	Applied Mathematics	Student	Bohr Radius for some classes of Harmonic Mappings	C	Prize money for Kamaljeet Gangania and S. Sivaprasad Kumar	50000	50000	25000 to Kamaljeet Gangania	25000 to S. Sivaprasad Kumar	
9	kamaljeet	Applied Mathematics	Student	On Certain Generalizations of $\mathcal{S}^*(\psi)$	C	Certificate for Kamaljeet Gangania & S. Sivaprasad Kumar					

10	NAV SHAKTI MISHRA	Applied Mathematics	Student	Convergence estimates of certain gamma type operators	C	prize money for Nav Shakti Mishra and Naokant Deo	50000	50000	25000 to Nav Shakti mishra	25000 to Naokant Deo	
11	SHRUTI AGGARWAL	Applied Mathematics	Student	Search for an efficient entanglement witness operator for bound entangled states in bipartite quantum systems	C	Prize money for Anu aggarwal & Satyabrata adhikari	50000	50000	25000 to Anu Agarwal	25000 to Satayabrata adikari	
12	Kartikay Khari	Applied Mathematics	Student	An efficient numerical technique for solving nonlinear singularly perturbed reaction diffusion problem	C	Prize money for Kartikey khari & Vivek kumar	50000	50000	25000 to Kartikey khari	25000 to Vivek kumar aggarwal	
13	Anu Kumari	Applied Mathematics	Student	Structural physical approximation of partial transposition makes possible to distinguish SLOCC inequivalent classes of three-qubit system.	C	Prize money for Anu kumari & Satyabrata adhikari	50000	50000	25000 to Anu kumari	25000 to Satayabrata adikari	
14	Anu Kumari	Applied Mathematics	Student	Structured Negativity: A physically realizable measure of entanglement based on structural physical approximation.	C	Prize money for Anu kumari & Certificate to Satyabrata adhikari	50000	50000	25000 to Anu kumari	Certificate for Satybrta adhikari	

15	Dr. Dharendra Kumar	Applied Mathematics	Faculty	Bias-Corrected Intuitionistic Fuzzy C-Means With Spatial Neighborhood Information Approach for Human Brain MRI Image Segmentation	B	Prize money for Dharendra kumar	100000	25000	25000 to Dharendra kumar		
16	Dr. Dharendra Kumar	Applied Mathematics	Faculty	Kernel picture fuzzy clustering with spatial neighborhood information for MRI image segmentation	C	Prize money for Dharendra kumar , Inder khatri , Aaryan gupta	50000	37500	12500 to Dharendra kumar	12500 to inder khatri	12500 to aaryan gupta
17	Dr. Dharendra Kumar	Applied Mathematics	Faculty	Fuzzy k-plane clustering method with local spatial information for segmentation of human brain MRI image	C	Prize money for Dharendra kumar	50000	16666.67	16666.667 to Dharendra kumar		
18	Satyabrata Adhikari	Applied Mathematics	Faculty	Coherence based inequality for the discrimination of three-qubit GHZ and W class	C	Prize money for Pranav Kairon, & Satyabrata Adhikari & certificate to mukhtiyar singh	50000	50000	16666.667 to Satyabrata adhikari	16666.667 to pranav kairov	Certificate for Mukhtiyar singh
19	Anjana Gupta	Applied Mathematics	Faculty	Two different approaches for consistency of intuitionistic multiplicative preference relation using directed graph.	C	Prize money for Anjana gupta & Mamta sahu	50000	50000	25000 to Anjana gupta	25000 to Mamta sahu	

20	Sanjay Kumar	Applied Mathematics	Student	Reversible data hiding: A contemporary survey of state-of-the-art, opportunities and challenges	C	Prize money for Sanjay kumar & Anjana gupta	50000	33333.33	16666.667 to Sanjay kumar	16666.667 to Anjana gupta
21	ROHIT KUMAR	Applied Mathematics	Faculty	Detection of $d_1 \otimes d_2$ Dimensional Bipartite Entangled State: A Graph Theoretical Approach	C	Prize money for Rohit kumar & Certificate for Satyabrta Adhikari	50000	25000	25000 to Rohit kumar	Certificate for Satybrta adhikari
22	Dr. Nilam	Applied Mathematics	Faculty	Stability analysis of a logistic growth epidemic model with two explicit time-delays, the nonlinear incidence and treatment rates	C	Prize money for Dr. Nilam & Kanica Goel	50000	33333.33	16666.667 to Dr. Nilam	16666.667 to Kanica goel
23	Dr. Nilam	Applied Mathematics	Faculty	A Fractional-Order Epidemic Model with Quarantine Class and Nonmonotonic Incidence: Modeling and Simulations	C	Prize money to Dr Nilam & Anil kumar Rajak	50000	50000	25000 to Dr Nilam	25000 to Anil kumar Rajak
24	Dr. Nilam	Applied Mathematics	Faculty	Fractional order SIR epidemic model with Beddington–De Angelis incidence and Holling type II treatment rate for COVID-19	C	Prize money for Dr Nilam & Swati	50000	50000	25000 to Dr Nilam	25000 to Swati