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Dr. Aruna Kumar B T
Asst. Professor and HOD

Department of Cyber security and Information Technology

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Education Details:

Degree	University	Year
B.E	Kuvempu University, Shivamogga, Karnataka	2002
M.,Tech	Kuvempu University, Shivamogga, Karnataka	2008
Ph.,D	VTU, Belagavi, Karnataka	2024

Research Area:
Image and Video Processing

Professional Experience:

Sl. No	College/Industry	Year	Experience in Years
1	Software Testing Engineer, Global Infotech Solutions, Bengaluru. Karnataka.	2003-2005	02
2	Bapuji Institute of Engineering & Technology, Davanagere. Karnataka.	2005-2006	01
3	G M Institute of Technology, Davanagere. Karnataka.	02nd Aug 2008 - 07 Sept 2025	17
4	G M University, Davanagere. Karnataka.	08 Sept 2025- Till date	-
Total Experience			**20 Years**

Publication Details:

Journals:

1	Aruna Kumar B T, Dr. N Manjanaik, "A Survey paper on Performance of Video Quality metrics Assessment in AVC and HEVC Coded videos" 2nd International Conference on Emerging Trends in Science, Engineering and Management-2021 (ICETSEM-2021), International conference at G M Institute of Technology, Davanagere, on 15th-16th July 2021. (International Conference)
2	Aruna Kumar B.T, Dr. N Manja Naik., "An Adaptive Compression Technique for Efficient Video Reconstruction in Future generation Wireless Network", International Journal of Intelligent Engineering & Systems, SCOUPS, Vol.16, No.2, 2023 DOI:10.22266/ijies2023.40.(Scopus Indexed Q3 Journal)
3	Aruna Kumar B T, Dr. N Manja Naik "Video Perception Enhancement using Effective Encoding Optimization in Future Generation Wireless Network". Indonesian Journal of Electrical Engineering & Computer Science, SCOUPS, Vol.32, No.1, October 2023, ISSN:2502- 4752, DOI:10.11591/ijeecs.V32.il.pp392-402. (Scopus Indexed Q3 Journal)
4	Aruna Kumar B T, 2. Dr. N Manja Naik "Temporal –Spatial Power Spectrum and Sensitivity Measure for Visual Perception Considering Video Dynamics" International Conference on Integrated Intelligence and Communication Systems (ICIICS)-2023, Organized by Sharanabasava University, KALABURGI.KARNATAKA (IEEE Paper)

Conference:

1	Aruna Kumar B T, Performance of Quality metrics assessment in AVC & HEVC Coded videos, IFERP, International Conference, GMIT, Davanagere, 15th&16th July 2021
2	Aruna Kumar B T, "Object Co-Segmentation for Irrelevant Frames for a Particular Video "ICRISET-2018, International Conference, Hirasugar Institute of Technology, Nidasoshi, Belgaum on 18th& 19th May 2018
3	Aruna Kumar B T, "Face Recognition Using Collaborative Image Set" in International Conference on Emerging Trends in Engineering & Technology, held on 8th Feb 2015
4	Aruna Kumar B T, "Video Based Vehicle classification in Intelligent Traffic control System", In the National Conference on Technological & Trends RLJIT, Doddballappur, Bangalore. Held on 20th & 21st March 2013

Patents:

Sl. No.	Applicant name	Patent Title	Patent Date of Filing with Patent No.	Patent Published Date	Patent Granted Date
1	Aruna Kumar B T	A Novel Model For Work Life Balance And Methods Thereof	03/10/2020 No.202041043056 A	09.10.2020	--
2	Aruna Kumar B T	Visitors Detection and Face Recognition system using IoT Technology.	01.11.2021 No.:262141043674	15.11.2021	--

List of Seminars, Workshops, FDP's/Training Programs Attended:

Sl. No.	Name of the Event	Event type	Organizer	Date of Event
1	Programming and Applications of Allen – Bradley PLC'S	02 Week Training programme	Apex High Tech institute, Bangalore	27th Jan 2004 to 06th Feb 2004
2	Recent Advancements in Instrumentation for	2 Day workshop	BVBCET, Hubballi	24th & 25th March 2006

			(AICTE approved)	
3	R & D Funding AND Industry University Partnership	World Bank aided TEQUIP & IIPES in collaboration with BITES, One day Workshop	UBDT College of Engg. Davanagere	27th Sept 2008
4	Faculty Role in Examination	1day, National level seminar	GMIT Davanagere.	16th March 2009
5	Database Management System	02 Week ISTE Workshop	MIT, Manipal	13th to 23rd Dec 2010
6	Faculty Enabled Program	2 Week Training program	Infosys, Mysore.	27th June 2011 to 1st July 2011
7	Practitioner Approach On C++	One day Workshop	GMIT, Davanagere	18/02/2012
8	Information Security & Cyber Forensics	Two- day Workshop	GMIT, Davanagere	9th & 10th Feb 2012
9	FEEL TEACHER	Three-day FDP, conducted by CLHRD , Mangalore	GMIT, Davanagere	27th to 29th July 2015
10	Advanced Mathematical Techniques in Research & Engineering Applications	Two -day Workshop	GMIT, Davanagere	29th & 30th Jan 2018.
11	ARM Processor &its applications	Three- day workshop	GMIT, Davanagere	05th to 7th April 2018
12	Machine Learning and Implementations	Three- day FEP	GMIT, Davanagere	4th to 6th July 2018.
13	Recent Trends in Database management System and It's Applications	Three -day Workshop.	GMIT, Davanagere	28th to 30th Sept.2018
14	IoT using Microcontrollers	Two- day workshop, Organized jointly with Innowie Tech. Solutions, Bangalore	GMIT, Davanagere	27th Feb 2019.
15	Information Security & Cyber Forensics	Three- day FDP, in association with Sirintel	GMIT, Davanagere	17th to 20th April 2019

		Technologies PVT.Ltd, Bangalore		
16	Web application development using PHP & MYSQL	Three- day Workshop, in association with Emboit Technologies, Bangalore	GMIT, Davanagere	11th &12th Oct 2019.
17	Microcontroller and Embedded Systems	Three- day FDP	Cambridge Institute of Technology, Bangalore	16th to 18 Dec 2019
18	Intelligent Schemes for Cyber Security	Two-week AICTE Training & Learning (ATAL) Academy	UBDTCE, Davanagere	12-09-2022 to 16-09-2022 (offline))
19	Analog and Digital Design Flow for VLSI Chip Application	Two-week AICTE Training & Learning (ATAL) Academy	GMIT, Davanagere	20th Feb to 3rd March 2023
20	AGILE SOFTWARE EVOLUTION AND MICROSERVICES MASTERY	Two-week AICTE Training & Learning (ATAL) Academy	BIET, Davanagere	16th to 21st October 2023
21	Building a culture Cyber Security-Train your Employee's to safe online	Two-week AICTE Training & Learning (ATAL) Academy	GMIT, Davanagere	11th-16th Nov 2024

Students Funded Projects

Sl. No	Students Name	Title of the Project	Agency	Amount Sanctioned	Year
1	Juhi Jain Najneen Kousar	A Model for implementing automated lip motion feature to text conversion	KSCST	3,000/-	2014-15
2	Sanju N R Chaitra O P	Virtual Queuing system for Ration card	KSCST	3,000/-	2015-16
3	Kiran Naik S Vanka Suharika	An android-based alarm message & Healthcare management system	VTU	3,000/-	2019-30

Professional body membership: MISTE (LM47318)