


COLLEGE OF ENGINEERING PERUMON
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



FACULTY PROFILE

Name of the Faculty	Dr. Varun Chand H	
Designation	Assistant Professor	
Mobile Number	9037939080	
Email ID	varunchand123@gmail.com	

Qualifications

Degree	Specialization	University	Year
Ph.D	Intelligent Transportation Systems	Vellore Institute of Technology, Vellore, India	2016-2022
MBA	Human Resource Management	Mahatma Gandhi University, Kottayam, India	2010-2013
M.Tech	Software Engineering	Karunya Institute of Technology & Science, Coimbatore, India	2008-2010
B.Tech	Information Technology	Mahatma Gandhi University, Kottayam, India	2003-2007

Experience

Designation	Institution	Period
Assistant Professor	College of Engineering Perumon, Kerala, India	14-Aug-2020 onwards
Assistant Professor	College of Engineering Vadakara, Kerala, India	01-Jun-2017 to 13-Aug-2020
Assistant Professor	College of Engineering & Management Punnappra, Kerala, India	06-Jul-2012 to 31-May-2017
Assistant Professor	Indira Gandhi College of Engineering & Technology for Women, Kothamangalam, Kerala, India.	19-Jun-2012 to 05-Jul-2012
Assistant Professor	K R Gouri Amma College of Engineering for Women, Cherthala, Kerala, India.	05-Apr-2010 to 18-Jun-2012
Lecturer	Mount Zion College of Engineering, Pathanamthitta, Kerala, India.	01-Jan-2008 to 30-Jun-2008

Areas of Interest Digital Image Processing, Pattern Recognition, Computer Vision, Machine learning and Deep Learning

Courses Taught

- Data Communication, Discrete Structures, Computer Networks
- Graph Theory, Distributed Computing, C Programming
- Soft Computing, Embedded Systems, Knowledge Engineering

Papers Published	Software Project Management, Artificial Intelligence	
	Software Engineering, Digital Image Processing, Data Analytics	
	K. Arun Kumar, Varun Chand H , Neethu Maria John, Sruthy Emmanuel, Sarojarani Polamarasetty, Seema Sabharwal (2024) “ Exploring the impact of cloud and edge computing in education: Addressing challenges and unveiling opportunities ” on <i>AIP Conf. Proc.</i> 19 August 2024; 3149 (1): 40017. DOI:- https://doi.org/10.1063/5.0224670	Scopus Indexed
	Varun Chand H , Mazura Jamali, Preeti Mariam Mathew, S Arun Kumar, Deepa Devassy, S Anoop (2024) “ Role of Internet Of Everything (IoE) in higher education: An overview ” on <i>AIP Conference Proceedings</i> . 18 June 2024; 3122 (1): 080024. DOI:- https://doi.org/10.1063/5.0216213	Scopus Indexed
	Varun Chand H , Ashley Chrisanthus, Athul Thampi, S Dayal, S Dhanup (2024) “ Emotion Recognition Techniques using Facial Images: A Review ” on <i>Advancement in Image Processing and Pattern Recognition</i> , vol. 7, no.1, pp. 7-17.	
	Varun Chand H , K Arun Kumar, Syarul Azlina, Seema Sabharwal, S Arun Kumar (2024) “ A Study on the Impact of Artificial Intelligence on Talent Sourcing ” on <i>IAES International Journal of Artificial Intelligence</i> , vol. 13, no. 1, pp. 1-8. DOI:- http://doi.org/10.11591/ijai.v13.i1.pp1-8	Scopus Indexed (Q2)
	Varun Chand. H , A. Chrisanthus, A. Thampi, Dayal. S and Dhanup. S (2023) "A Review on Various CNN-based Approaches for Facial Expression Recognition," <i>2023 International Conference on Inventive Computation Technologies (ICICT)</i> , Lalitpur, Nepal, 2023, pp. 465-471, DOI:- https://doi.org/10.1109/ICICT57646.2023.10133947	Scopus Indexed
	Nabeel Ahammed, Gayathy M S, Anandhu Anil, Anoop J, Varun Chand H (2023) “ A Novel Approach using Multi Cloud for Securing Cloud Data ” on <i>GRENZE International Journal of Engineering and Technology</i> , vol. 9, no.1, pp. 399-404	Scopus Indexed
	Varun Chand, H. , Sabharwal, S., Carie, A., Arun Kumar, S. (2023) “ A Study on Parking Space Allocation and Road Edge Detection for Optimizing Road Traffic ” In: Hemanth, J., Pelusi, D., Chen, J.IZ. (eds) <i>Intelligent Cyber Physical Systems and Internet of Things</i> . ICoICI 2022. Engineering Cyber-Physical Systems and Critical Infrastructures, vol 3, pp.393-403. Springer, Cham. DOI:- https://doi.org/10.1007/978-3-031-18497-0_30	
	Varun Chand H and Karthikeyan J., (2022) “ CNN Based Driver Drowsiness Detection System Using Emotion Analysis ” on <i>Intelligent Automation and Soft Computing</i> , Volume 31, No. 2, 2022, pp. 717-728. DOI:- https://doi.org/10.32604/iasc.2022.020008	SCIE Indexed (IF: 1.647), Scopus Indexed

Papers Published	Sijo Joseph., S I Adithyan., Jishnuraj R., Aswin S. and Varun Chand H. , “ DRIVER’s EYE: A Behavioural Monitoring System using Deep Learning ” on <i>International Journal of Engineering Research and Technology, NCREIS - 2021 Conference Proceedings</i> , Volume 9, No. 13, 2021, pp. 92-98.	
	Varun Chand H and Karthikeyan J., (2021) “ Design and Implementation of Parking System Using Feature Extraction and Pattern Recognition Technique ” In: Peter J., Fernandes S., Alavi A. (eds) <i>Intelligence in Big Data Technologies—Beyond the Hype. Advances in Intelligent Systems and Computing</i> , Vol 1167, 2021, pp. 389-400. Springer, Singapore. DOI:- https://doi.org/10.1007/978-981-15-5285-4_39	Scopus Indexed
	Varun Chand H and Karthikeyan J., “ RFID-GPS based Mechanism using AODVRP for Stolen Vehicle Detection in VANET ” on <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , Volume 18, No. 1, April 2020, pp. 396-404. DOI:- http://doi.org/10.11591/ijeecs.v18.i1.pp396-404	Scopus Indexed
	Varun Chand H. , Karthikeyan J and Simy Mary Kurian., “ A Review on Localization and Detection of Nodes in VANET ” on <i>International Journal of Recent Technology and Engineering</i> , Volume 8, No. 1, May 2019, pp. 1374-1377.	
	Varun Chand H. , Karthikeyan J and Simy Mary Kurian., “ A Novel Approach using LoRaWRP for Emergency Vehicle Traffic Management ” on <i>International Journal of Advanced Trends in Computer Science and Engineering</i> , Volume 8, No. 3, May-June 2019, pp. 349-353. DOI:- https://doi.org/10.30534/ijatcse/2019/03832019	Scopus Indexed
	Varun Chand H. , Binitha V Nair and Simy Mary Kurian., “ Privacy preserving MA-CPABE-NMAC scheme in cloud for the Design and Implementation of Captcha ” on <i>International Journal of Engineering Science and Research Technology</i> , 2019, Aict-2019, pp.13-17.	UGC Care List
	Varun Chand H and Karthikeyan J., “ Survey On The Role Of IoT In Intelligent Transportation System ” on <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , Volume 11, No. 3, September 2018, pp.936-941. DOI:- http://doi.org/10.11591/ijeecs.v11.i3.pp936-941	Scopus Indexed
	Varun Chand H and Karthikeyan J., “ Recent Survey on Traffic Optimization in Intelligent Transportation System ” on <i>Journal of Advanced Research in Dynamical & Control Systems</i> , Volume 15, Special Issue, October 2017, pp.89-100. (Scopus Indexed)	Scopus Indexed

Papers Published	Blessy A., Varun Chand H and Binitha V Nair., “ Design and Implementation of Captcha with Click Point Authentication based on Hard AI Problems ” on <i>International Journal of Computer Science & Engineering Technology</i> , Volume 06, Issue 9, September 2015, pp.555-559.	
	Blessy A and Varun Chand H. , “ Building Secure, Concurrent, Distributed DBaas with Confidential Data over Threshold Access Structure ” on <i>International Journal of Engineering and Computer Science</i> , Volume 04, Issue 8, August 2015, pp.13832-13837. DOI:- http://doi.org/10.18535/ijecs/v4i8.39	
Academic Achievements	Received Certificate of Appreciation from Dr. R Bindu, Higher Education Minister for the contribution towards Anti-Drug Awareness Campaign “Nooru Koodi Njnangalilekku (Towards 100 crore people)” by short film “Parinamam” held at Jimmy George Indoor stadium, Trivandrum on 27-Oct-2022.	
	Filed an Australian Patent (no. 2021101534) on 28-April-2021 with title “Screw Jack Based Height Adjustable Laptop Table”	
	Best Paper award for the paper “A novel approach using LoRaWRP for Emergency Vehicle Traffic management” presented at International Conference on Computational Intelligence and Digital Technologies (Track-1, Networking) held at Mangalam College of Engineering, Kottayam, Kerala, India on 11 th and 12 th April 2019.	
	1 st Rank holder in KARUNYA UNIVERSITY, India for 1 st Semester and 2 nd Semester M.Tech Software Engineering, 2008-2010 Batch.	
Invited Talks	Invited talk on “Intelligent Transportation Systems: Connecting Data, Technology, and Mobility”, as part of the inauguration of CSE Association “Inspira”, at Sree Narayana Institute of Technology, Adoor, Kerala, India, on 1 st November 2024.	
	Resource Person for the workshop “Basics of Machine Learning” at Mahaguru Institute of Technology, Kayamkulam, Kerala, India, on 10 th September 2024.	
	Resource Person for the 5-day Faculty Development Program (FDP) “Powering Innovations & Efficiency on Intelligent Systems” at Mahaguru Institute of Technology, Kayamkulam, Kerala, India, delivered a session on “Intelligent Transportation Systems: Building Smarter Cities” on 11 th July 2024	
	Keynote Speaker for the National Conference on Technological Advancement in Computer Science: Artificial Intelligence, Machine Learning & Data Science, organized by Dr. S.C. Gulhane Prerna College of Commerce, Science, and Arts, Nagpur, Maharashtra, India, on 9 th September 2023.	
	Invited talk (online) on “Exploring Issues Related to Software Project Management” at Xiamen University Malaysia on 16 th December 2022.	
	Keynote Speaker for “KONCEPT,” the National Conference on Computer Engineering Paradigms and Trends at Providence College of Engineering & School of Business, Chengannur, Kerala, India, on 18 th November 2022.	
	Invited talk on “Emerging Technologies in Big Data and Hadoop” at Sree Ayyappa College, Eramallikara, Alappuzha, Kerala, India, on 13 th August 2020	
	Tutor for 2020-2024 Batch CSE-B, 2023-2027 Batch CSE-B	
	Computer Society of India SB counsellor from June 2023 onwards	

Other Responsibilities	Programme Officer for National Service Scheme (unit-539) from October 2022 onwards
	Electoral Literacy Club Coordinator from October 2022 onwards
	Time Table committee member 2022-23
	NBA Criteria -2 member