


## Faculty Profile

<h1>Faculty</h1>	<b>Dr.Heena Kousar</b> <b>Professor,</b> East Point College of Engineering &Technology
	<b>Profile*</b> <p>Prof. Dr. Heena Kousar holds a Ph.D. in Cloud Computing from Visvesvaraya Technological University, Belagavi, M.E. degree in Computer Science &amp; Engineering from University Visvesvaraya College of Engineering, Bangalore and B.E. degree in Computer Science &amp; Engineering from Golden Valley Institute of Technology, KGF.</p> <p>She is dedicated &amp; committed faculty in Department of CSE, with 23 years of experience in teaching UG &amp; PG Students. She has published more than 15 research papers in refereed international journals and 5 research papers in the proceedings of various international conferences. Her areas of research include Cyber Security, Cloud Computing, Big Data, Web Technology, IoT, Artificial Intelligence and Machine Learning. She is an active member of CSI. and IEEE</p>
	<b>Publications</b> <b>Journals</b> <ul style="list-style-type: none"> <li>•Monitoring Coma Patients in Real Time using a Visual Perception System, Dr. Heena Kousar, Divya U H, Nithyananda C R, Dr. Chandramouli H, Dr. Rajani K.C, Dr. N.P Nethravathi, International Journal of Environmental Sciences, ISSN: 2229-7359, Vol 11, No. 22s, 2025, Aug 25 2025, <a href="https://theaspd.com/index.php">https://theaspd.com/index.php</a></li> <li>•An Exploration of Adversarial Attack Models in Artificial Intelligence, V. Christy, Chandramouli H, I. Manimozhi, Heena Kousar, International Journal of Environmental Sciences, ISSN: 2229-7359, Vol 11, No. 22s, 2025, Sept 3 2025, <a href="https://theaspd.com/index.php">https://theaspd.com/index.php</a></li> <li>•Harnessing deep learning for enhanced detection of thymic epithelial tumors-Heena Kousar, Dr. Geetha T. V, N. Syamala, Dr. Arvind KumarShukla, Dr. N. Venkatesh, T.P.S. Kumar Kusumanchi, International Journal of Basic and Applied Sciences, May 2<sup>nd</sup> 2025, <a href="https://doi.org/10.14419/p2j8w965">https://doi.org/10.14419/p2j8w965</a>, Website: <a href="http://www.sciencepubco.com/index.php/IJBAS">www.sciencepubco.com/index.php/IJBAS</a></li> <li>•Securing IOT Healthcare Data using Machine Learning Technique- Heena Kousar, Shammi.L, Madhushree, International Journal of Innovative Research In Information Security, May 2024 <a href="https://doi.org/10.26562/ijiris.2024.v1004.36">https://doi.org/10.26562/ijiris.2024.v1004.36</a></li> <li>•Boosting Network Security: A comparative Analysis of Deep Learning Techniques for Intrusion Detection-Heena Kousar, Adarsh Pawar, G Mohnish Reddy, Mukeshreddy Nagireddygar, Shaikh Athiq Rehman, International Journal of Innovative Research In Information Security, May 2024<a href="https://doi.org/10.26562/ijiris.2024.v1004.04">https://doi.org/10.26562/ijiris.2024.v1004.04</a></li> <li>•Generative Adversarial Networks for Malware Detection in Cloud Computing Environments - Shammi L, Heena Kousar, International Journal of Innovative Research In Information Security, May 2024 <a href="https://doi.org/10.26562/ijiris.2024.v1004.24">https://doi.org/10.26562/ijiris.2024.v1004.24</a></li> <li>•Enhancing Agricultural Efficiency through robotic systems and AI - Chaitanya H N, M Shruthi, Pallavi M K,Ramya N, Heena Kousar, International Journal of Innovative Research In Information Security, May</li> </ul>

2024<https://doi.org/10.26562/ijiris.2024.v1004.31>

- Dr.Heena Kousar, Lalit Kumar Gupta, Dr.Pushpa Mamoria, Barun Halder , G. Praveen Naidu, “Artificial Intelligence And Machine Learning In Inventory Management: Optimizing Efficiency And Reducing Costs”, European Chemical Bulletin, DOI: 10.48047/ecb/2023.12.si12.096
- Dr. Heena Kousar, Dr Sundara Rajulu Navaneetha krishnan , Dr. Dler Salih Hasan “Integrating Artificial Intelligence and Block chain Technology for SecureandEfficientDataSharing”publishedinJournalofSurveyinFisheries Sciences,Vol 10 IS May 2023.
- Smitha S, Sneha N, Kavya B M, Manasa G R , Heena Kousar published a title of “Android Malware Detection Using Genetic Algorithm based Optimized Feature Selection and Deep Learning” in International Journal of InnovativeResearchinTechnology(IJIRT),Volume9Issue12,ISSN:2349-6002.
- Aishuwarieya T, Anne Jasmi j , Dharani S , Dhanush Kumar R , Heena kousar, published a title of “Prediction of Cardiac Arrhythmia Using Hybrid Approach in Machine Learning” in International Journal of All Research Education and Scientific Methods (IJARESM),ISSN:2455-6211,Volume11, Issue 5, May-2023.
- HeenaKousar, Dr.PrasadBabu "Multi-Agent based MapReduce Model for Efficient Utilization of System Resources", Indonesian Journal of Electrical EngineeringandComputerScience,pp504-514,ISSN:2502-4752,Vol.11, No. 2, August 2018.
- HeenaKousar, Dr.PrasadBabu, "Efficient Map/Reduce secure data using Multiagent System", International Journal of Computer Science and EngineeringE-ISSN:2347-2693,VolumeNo.6,Issue-5andMay2018.
- HeenaKousar ,Dr.PrasadBabu, “A Secure and Efficient Data Storage Backup for Multiagent based Cloud Model", International journal of control theory and applications, Vol 9, Issue 10, pp: 4301-4309, 2016.
- Rashmi G.D , Prof Heena Kousar , Dr. B.R.Prasad Babu, “An Overview on Resource Manager Agent to increase the Efficiency in Cloud Distributed ComputingUsingBigDataApplication”,InternationalJournalofEngineering Research ISSN: 2319-6890(online),2347-5013(print) Volume No.5 Issue: Special 4, pp: 790-991 20 May 2016.
- HeenaKousar ,Dr.PrasadBabu, “Resource Allocation Algorithms in Cloud Computing for Agent Based Traffic Management”, International Journal of Advanced Research in Computer Science and Software Engineering 5(1), January-2015,pp.774-778

### Patents

- AI –Driven Predictive Business Intelligence System for Market Entry Strategy- Application No-202541045649, Date of Filing: 12 May 2025 , Publication Date : 30 May 2025 Inventor: Dr. Mohanraj S, Heena , Smrithi Kaushik,Pooja, Vijaya KumarChennamchetti, Suruchi, Dr. Heena Kousar, Dr. Ashish Kumar Saini
- AI- Powered Healthcare Chatbot for Symptom Diagnosis and Medical Guidance- Application No: 202541035718A, Date of Filing: 11 April 2025 , Publication Date:9 May 2025- Inventor:Dr. Heena Kousar, Dr. S Santiago, Dr. Swaminathan Ramamurthy, Prof. Sivakumar N, Amos. R, Prof. Dr. Rahul Sharma, Rekha S, Pranjali Swapnil Thakre, D. Dinesh Kumar, Vidhya R, Rajeev Agrawal, Dr. Shilpa Pahwa
- AI based network intrusion detection device- UK Design Patent Design no. 6426644, Grant Date:6 March 2025, Registration Date: 27 Feb2025 Owner: Janmejaya Mishra, Dr. Heena Kousar, Mrs. Sonali Hitesh Raut, Mr. Arivumani Samson Subramanian, Dr. Kadli Nanjundeshwara, Mrs. Kavitha Datchanamoorthy, Mr. Gowtham Semalaiappan, Saket Rusia
- AI-Enabled Robotic Device for Business Automation- UK Design Patent Design No: 6335588, Date Granted: 10 January 2024, Date Registered: 24 December 2023, Date Published: 11 January 2024.4.9 Dr. Heena Kousar,Mr. Dubasi Pavan Kumar, Dr. Salman Arafath Mohammed, Dr. Nakul sharma, Mr. Ranganathan Sundaram, Jeetendra Kumar, Prof.(Dr) Ramanjeet Singh, Dr. Kirandeep Bedi
- An Artificial Intelligence techniques and Big data analytics based digital document fraud detection system using Internet of Things (IOT) enabled machine learning things in Finance and Economic Application No.202241067467 A , INDIA ,Date of filing of Application :23/11/2022 (43) Publication Date : 2/12/2022 : Dr Heena Kousar, Dr. Abdul Hannan Abdul Mannan Shaikh, Swati Saxena, Sruthi S, Sriman Reddy Pingili, Puneeth B R, Dr. B Arizahagan, Ashutosh Dhar Dwivedi, Kasar Mahvir Shantinath, Yadav Amol Pandurag, Dr. Pratap Patil, Published:2022-12-02
- Development Of Big Data Analytics For Intelligent Industrial Manufacturing Based On Wireless And Iot Technology - Application No.202141041225 A (19) INDIA (22) Date of filing of Application :14/09/2021 (43) Publication Date : 29/10/2021 Inventor(s):ARUL KUMAR N,VAISHALI GAJENDRA, SWETHA,VIVEK, DR. RAJWANT,DR. HEENA, SANDEEPA PALLABI,SONUKUMAR,DRVILAS,KALYANISENGAR,PRATIK,Published:2021-10-29

### Conferences

- Reinforcement Learning-Optimized Dynamic Pricing Models for EV Charging Stations in Real Time- Heena Kousar, R Sofia, Hatim Kagalwala, Anand Chauhan, Saket Narendra Bansod, Shaheda Sheikh, 2025 Second International Conference on Intelligent Technologies for Sustainable Electric and Communications Systems (iTech SECOM), Coimbatore, India,December 31<sup>st</sup> 2025, DOI: [10.1109/iTechSECOM64750.2025.11307579](https://doi.org/10.1109/iTechSECOM64750.2025.11307579), IEEE, [Reinforcement Learning-Optimized Dynamic Pricing Models for EV Charging Stations in Real Time | IEEE Conference Publication | IEEE Xplore](#)
- AI Based Security for Internet of Transportation Systems -Heena Kousar, S Fatima, SI Ahmed, S Sajithra, S Kushwaha, NA Balaji 2023 4th International Conference on Smart Electronics and Communication , proceedings of IEEE, published in 2023 4th International Conference on Smart Electronics and

Communication (ICOSEC), DOI: 10.1109/ICOSEC58147.2023.10276282, 16th October 2023,

- MaryGersy, HeenaKousar, A Shanmugam, J SamsonIsaac “An Innovative Shopping system with GSM based Automation for physically challenging old age people” ,3rd International Conference on Innovative Practices in Technology and Management (ICIPTM)| 979-8-3503-3623-8IEEE | DOI: 10.1109/ICIPTM57143.2023.10117580 in May 2023.
- S.Prema,Harshith.N, HeenaKousar, MaliniKV, S Meenatchi, M Jogendra Kumar ” Automatic Mail Reception System for Patients to Identify Health Conditions” 4<sup>th</sup> International Conference on Inventive Research in Computing Applications (ICIRCA) | 978-1-6654-9707-7/22/\$31.00 ©2022 IEEE | DOI: 10.1109/ICIRCA54612.2022.9985702, March 19,2023
- Chandu Jagan Sekhar Madala , Anita M Patil , Santhosh Srinivasan. P , HeenaKousar, Sultanuddin S J, SangeethKumarM, ”A Filter-Based Learning Approach for Intrusion Detection using The NSL-KDD Network Dataset”, Proceedings of the Third International Conference on Smart Electronics and Communication (ICOSEC 2022) IEEE Xplore Part Number: CFP22V90-ART; ISBN: 978-1-6654-9764-0
- Heena Kousar, Ammu Bhuvana S, Madhushree, Khallikunaisa, “Preserving Privacy in EHR sharing with consortium Blockchain and searchable encryption, National Conference on Recent Advances of Computational IntelligenceTechniquesinScience,EngineeringandTechnology,IJSRESEIT, ISSN:2456-3307, Vol. 9, Issue 9, July-August 2023
- Ammu BhuvanaS, HeenaKousar, Madhushree, “Under Water Image Dehazing using Gaussian Filter and Laplacian Pyramid ”National Conference on Recent Advances of Computational Intelligence Techniques in Science, Engineering and Technology, IJSRESEIT, Vol. 9, Issue 9, July-August 2023
- Madhushree, AmmuBhuvanaS, HeenaKousar, ”Traffic Light cycle control using Deep Reinforcement Learning” National Conference on Recent AdvancesofComputationalIntelligenceTechniquesinScience,Engineering andTechnology,IJSRESEIT,Vol.9,Issue9,July-August2023

### **Achievements/Awards/Recognitions**

- Dr. Heena Kousar awarded for the Bharath Education Excellence Awards-JayestaAward, organized by BrainOVision Solutions Pvt. Ltd @ T-Block, Hyderabad on 25<sup>th</sup> October 2025, for outstanding contributions in the field of education, recognizing educators and institutions for her excellence, innovation, and commitment to continuous improvement.
- Author of the book “**Introduction to Cybersecurity and cyber Forensics**” published in Scientific International Publishing House (SIPH), 2022.
- Awarded certificate of achievement in recognition of the publication of the chapter “The Role of AI in Cybersecurity : Threat Detection and prevention” in the peer-reviewed edited book entitled “Futurescape: Multidisciplinary research for a better tomorrow, Volume-1”, August-2024(International Edition
- FDP Coordinator for the one week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by East Point College of Engineering and Technology, Department of Computer Science & Engineering in Collaboration with Brainovision Solutions India Pvt .Ltd. and All India Council for Technical Education (AICTE) during the period of 21<sup>st</sup>to 25<sup>th</sup>August 2023.
- IQAC CSE-Coordinator
- Certification by Google and offered through Coursera for the successful completion of the course on “Foundations: Data, Data, Everywhere”, July 3<sup>rd</sup> 2023
- Certification for successfully passing the Quiz on “Fundamentals of

Generative AI” organized by Super intelligence Tech Solutions Private Limited, Bengaluru held on 18<sup>th</sup>February 2023.

- Certification by Duke University and offered through Coursera for the successful completion on “Introduction to Machine Learning”, April 1<sup>st</sup> 2022
- Certificate of GUVI for the successful completion of “AWS”, February 28 2022
- Certification of NPTEL for the successful completion of the course on “Big Data Computing”, October 2021
- Oracle Academy Certification and Final Exam Completion on Database Design, 2<sup>nd</sup> May 2021
- Oracle Academy Certification and Final Exam Completion on Java Foundation, 19<sup>th</sup> April 2021
- Certificate of achievement for the successful completion of Step into Robotic Process Automation”, during GUVI’s RPA SKILL-A-THON 2020, by UiPath Academic Alliance in May-June 2020
- Recognized for Conducting many VMware Academic Alliance Activities within the organization
- Awarded a Certificate of achievement for the successful completion of “Step into Robotic Automation” during GUVI’s RPA SKILL HACKATHON 2020.
- Program Coordinator for Organizing one day Hands-on Workshop on Network Security Vulnerability Assessment & Penetration Testing on 8<sup>th</sup> November 2019 on behalf of CSE Dept, EPCET
- Program Coordinator for Organizing the Inauguration of “VMware Nalanda Program” on 21<sup>st</sup> October 2019
- Awarded a Certificate of Appreciation by EPCET for achieving 100% result in the subject “Web Technology and its Application” the VTU Examination during Dec-2018-Jan -2019
- Certification of NPTEL for the successful completion of the course on “Machine Learning for Soil and Crop Management”, Jan-Apr 2025.
- Certification o NPTEL for the successful completion of the course on “Cyber Security and Privacy, July-Oct 2024”
- Certification of NPTEL for the successful completion of the course on “Python for Data Science, Jan-Feb 2024”
- Lifetime Member of Computer Society of India, 2012
- Senior IEEE Member, 2025- Member#100390323