

## DEPARTMENT OF INFORMATION TECHNOLOGY

### SEO Content

Department of Information Technology strives to build a highly motivated R&D team in collaboration with some of the top research based organizations. With specific emphasis on emerging technologies and empirical mode of learning, our department has industry-academy collaboration with Adobe Creative Technology Academy and Red Hat Academy for students to ensure that students effectively meet the highest benchmarks of competence required by the industry. Our department has tied up with the industries to provide internship and pre-placement training for students on various technologies and exposed to the current industry demands.

In pursuit of excellence in research, our department organizing International Conference every year in tie up with CSI, Springer LNNS, DRDO, CSIR etc. Our department also publishes two issues of International Journal with ISSN every year.

### Patents Filed

1. Dr.M.I.Thariq Hussan, Professor & Head filed a patent titled "Vision Based Safety Seat Belt Monitoring System" with application filing date 25-01-2019 and publication date 01-02-2019.
2. Dr.M.I.Thariq Hussan, Professor & Head filed a patent titled "IDCC-Device: Intelligent Detect and Control Cybercrime Device" with application filing date 25-05-2019 and publication date 07-06-2019.

### Achievements

1. Dr.M.I.Thariq Hussan, Professor & Head was awarded Elite Silver with 88% in the course titled "Accreditation and Outcome Based Learning" conducted by NPTEL.
2. Mr.D.Saidulu, Associate Professor was awarded Elite Silver with 88% in the course titled "Accreditation and Outcome Based Learning" conducted by NPTEL.
3. Mr.D.Saidulu, Associate Professor was awarded Elite Silver with 81% in the course titled "Big Data Computing" conducted by NPTEL.
4. Mrs.P.Padma, Associate Professor has successfully completed the course titled "Accreditation and Outcome Based Learning" conducted by NPTEL.
5. Mr.P.Naresh, Assistant Professor was awarded Elite Silver with 80% in the course titled "The Joy of Computing using Python" conducted by NPTEL.
6. Mr.P.Naresh, Assistant Professor has successfully completed the course titled "Introduction to Machine Learning" conducted by NPTEL.



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7. Mrs.P.Padma, Associate Professor has successfully completed Cambridge English Entry Level Certificate with B1 level.
8. Mr.K.Anil Kumar, Assistant Professor has successfully completed Cambridge English Entry Level Certificate with B1 level.
9. Mr.P.Naresh, Assistant Professor has successfully completed a course titled “Data Science R Basics” organized by Harvard University.

## Awards

1. Dr.M.I.Thariq Hussan received “Innovative Technological Research (Communication) & Dedicated Professor Award” from The Society of Innovative Educationalist & Scientific Research Professional accredited with Innovative Scientific Research Professional Malaysia (India Chapter) at Coimbatore, Tamilnadu.
2. Dr.M.I.Thariq Hussan received “Best Teacher Award-2018” from Institute for Exploring Advances in Engineering accredited by EA-JAS.

## Books

1. Dr.M.I.Thariq Hussan., Dr.Rishi Sayal., published a book titled “Understanding Data Mining and Warehousing”, Lambert Academic Publishing, ISBN No: 978-620-0-26713-9, August 2019.
2. Dr.M.I.Thariq Hussan published a book titled “Operating Systems”, Professional Publications, ISBN No: 8120347269.

## Research Publications

Our faculties have shown more interest in research publications and publish in highly cited International Journals with good indexing.

1. Dr.M.I.Thariq Hussan published a paper titled “Coral: A Cloud-Backed Frugal File System”, International Journal of Management, IT & Engineering, ISSN: 2249-0558, Volume 9, Issue 1, January 2019, Page No. 20-26.
2. Dr.M.I.Thariq Hussan published a paper titled “Security Attacks in Information-Centric Networking”, International Journal of Management, Technology and Engineering, ISSN: 2249- 7455, Volume IX, Issue II, February 2019, Page No. 736-740.
3. Dr.M.I.Thariq Hussan published a paper titled “Role of Production Management and its functionalities”, International Journal of Research in Applied Management, Science & Technology, ISSN: 2455-7331, Volume IV, Issue I, Apr-Jun 2019.
4. Dr.M.I.Thariq Hussan published a paper titled “Malwares: Creation and Avoidance”, International Journal of Computer Sciences and Engineering, ISSN: 2347-2693, Volume 7, Issue 4, April 2019, Page No.195-199.



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5. Dr.M.I.Thariq Hussan published a paper titled “Efficient Reinforcement with Security”, International Journal of Information and Computing Science, ISSN: 0972-1347, Volume 6, Issue 5, May 2019, Page No.1-3.
6. Dr.M.I.Thariq Hussan published a paper titled “Email Image Spam Detection Using Fast Support Vector Machine and Fast Convergence Particle Swarm Optimization”, International Journal of Recent Technology and Engineering, ISSN: 2277-3878, Volume 8, Issue 1S2, May 2019, Page No.19-22.
7. Dr.M.I.Thariq Hussan published a paper titled “Upgrade-Data Security in Cloud by Machine Learning and Cryptography Techniques”, International Journal of Engineering and Advanced Technology, Volume 8, Issue 6, August 2019, Page No. 2728-2732, ISSN: 2249-8958.
8. Dr.M.I.Thariq Hussan published a paper titled “Predictive Mining Model for Transactional Data Pattern using Probabilistic Based Decision Tree Model”, International Journal on Emerging Technologies, Volume 10, Issue 3, September 2019, Page No. 38-44, ISSN: 0975-8364.
9. Mr.D.Saidulu published a paper titled “Secured MapReduce Based K-Means Clustering In Big Data Framework”, International Journal of Computer Sciences and Engineering, Volume 7, Issue 5, ISSN 2347-2693, May 2019, Page No.1427-1430.
- 10.Mr.D.Saidulu published a paper titled “Music Generation Using Deep Learning Techniques”, Springer Lecture Notes in Networks and Systems, Vol. 74, June 2019.
- 11.Mr.Kiran Jeedi published a paper titled “De-Duplicatable Effective Proof of Repository”, International Journal of Engineering & Scientific Research, ISSN: 2347-6532, Vol.7 Issue 5, May 2019,
- 12.Mr.Kiran Jeedi published a paper titled “Design of Multi-Biometrics for Fake Finger Print Detection through Body Odor”, International Journal of Recent Technology and Engineering, Vol. 8, Issue 4, November 2019, Page No.9646-9650, ISSN: 2277-3878.
- 13.Mr.P.Naresh published a paper titled “A Deep Study on Association Rule Mining Algorithms for Large Datasets”, International Journal of Research, Volume 8, Issue 3, March 2019, Page No.2755-2760, ISSN: 2236-6124.
- 14.Mr.P.Naresh published a paper titled “Implementation of Improved Association Rule Mining Algorithms for Fast Mining with Efficient Tree Structures on Large Datasets”, International Journal of Engineering and Advanced Technology, Vol. 9, Issue 2, December 2019, Page No.5136-5141, ISSN: 2249-8958.
- 15.Mr.P.Naresh published a paper titled “Implementation of Clustering Algorithms for Real Time Large Datasets”, International Journal of Innovative Technology and Exploring Engineering, Vol. 8, Issue 11, September 2019, Page No.2303-2304, ISSN: 2278-3075.



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16. Mr. M. Kiran Kumar published a paper titled "An Efficient Decision Tree Based Approach for Adaptive Modeling in Big Data Applications" International Journal of Management, Technology and Engineering, ISSN: 2249-7455, Volume IX, Issue I, January 2019.
17. Mr. M. Kiran Kumar published a paper titled "An Effective Way of Processing Big Data by using Hierarchically Distributed Data Matrix", International Journal of Research, ISSN: 2236-6124, Volume VIII, Issue V, May 2019.

## Placements

The goal of our Training & Placement Cell is to provide students with a platform for using their potential to gain valuable experience by working in industry, it also acts as the interface between various companies seeking talented young graduates in various disciplines.

Keeping in view the industry requirements, the training curriculum is designed for preparing the students for entry-level Graduate Engineer Trainees.

- Personality Development
- Communication Skills & Vocabulary
- Resume Preparation
- Group Discussion
- Interview Skills
- Aptitude Training & Practice Tests

## Recruiter's list

Every year, our GNI are visited by leading organizations and firms to participate in the Campus Recruitment Programme. With a strong alumni association and healthy relationship with its several recruiters, GNI has always confirmed a strong candidature for the global market. Relationships with the recruiters have developed a larger breadth over years of enriched association. The following are the list of recruiters:

TCS, Infosys, IBM, Byjus, ATOS-Syntel, Accenture, Amazon, Cognizant, MAQ, CtrlS, Mphasis, NTT Data, Virtusa, Hitachi Consulting, Apps Associates, Inrythm, Magnaquest, Cyient, Sunera Technologies, GGK Tech, Multiplier Solutions, Genpact, Just Dial, Vistex, Libsys, Revalsys, mRoads, OYO, Berkadia, Sutherland, FACE, LG Soft, Sykes, Niltech, Nalsoft, Neblogic, Moldtek, JR Seamless, Alien Developers, GS Labs, Tectoro, Innovacx, Decathlon, EdWisor, Wifi Soft, Express Roadways, Mindtree, ITC Infotech, Verizon, Value Labs, OMICS International, Tikona Networks, IKEA, Jaro Education, etc.





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## State-of-art Infrastructure

1. GNI partners with Adobe to offer add-on specialization in UI/UX  
QHMP L Thin Clients, Intel Xenon Processor, 32GB RAM, 4TB HDD
2. Red Hat academy - GNI partnered to offer courseware in cloud computing  
Cloud Thin Clients + Server Cortex - A7, 1GHz, 512M

## Faculty Focus

The teaching role of faculty members reflects their centrality in addressing the primary educational mission. As GNI faculty members teach, they disseminate and impart basic or applied knowledge to students and assist students with the learning process and applying the knowledge. Faculty members are expected to follow developments in the field so their expertise and knowledge base remain current.

**HOD**

**Associate Director**