



## DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Affiliated by JNTU, Kakinada)

Ganguru, Vijayawada - 521 131. Phone: 0866 - 2583842 / 43.

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FACULTY PROFILE	
Name of the Faculty	Dr. MYNENI TANOJ KUMAR
Designation	Professor
E-mail & Phone No.	mtanoj@gmail.com 9492488477
Date of Joining	06-02-2019
Nature of Association	Regular
Department	Computer Science and Engineering
Educational Background	1. <b>Ph.D in Computer science and Engineering</b> , from Krishna University, Machilipatnam 2. <b>M.Tech in Computer Science and Engineering</b> , from JNTUK, Kakinada
Research Areas	Cloud Computing, Internet of Things
Experience	19 Years



S.No	Institute	Designation	Period
1	DhaneKula Institute of Engineering and Technology	Professor & Incharge-Exams	2019 - Till date
2	Koneru Lakshmaiah Education Foundation	Associate Professor	2016 - 2019
3	Andhra Loyola Institute of Engineering and Technology	Assistant Professor & HOD	2010 - 2016
4	Andhra Loyola College	Lecturer & HOD	2000 - 2008

### List of Publications ( National and International Journals)

- [1] **M.Tanoj Kumar** et al.," Analysis of various thermodynamic instability parameters and their association with the rainfall during thunderstorm events over Anakapalle (Visakhapatnam district), India", Acta Geophysica (2020) 68:1549–1564.
- [2] **M.Tanoj Kumar** et al.," Optimized and secured data collection and recovery for IoT applications", International Journal of Engineering and Technology,7(2.7), (2018), 433-435.
- [3] **M.Tanoj Kumar** et al.," An efficient smart car parking system based on IoT concept", International Journal of Mechanical Engineering and Technology, ISSN: 0976-6340, 9(1), (2018), 881-886.
- [4] **M.Tanoj Kumar** et al. "Cloud storage optimization approach using compressive sensing", International Journal of Engineering Research and Development, ISSN: 2278-800X,14(2), (2017), 21-26.
- [5] **M.Tanoj Kumar** et al. " Optimized and secured storage approach for IoT based applications.", International Journal of Mechanical Engineering and Technology, ISSN: 0976-6340, 8(12), (2017), 699-702.
- [6] **M.Tanoj Kumar** et al, "Compressive Sensing Based Simultaneous Data Compression and Convergent Encryption for Secure Deduplication", International Journal of Computer science and Information Security, ISSN: 1947-5500, 15(9), (2017), 147 -149.
- [7] **M.Tanoj Kumar** et al, "Alternative Approaches for Deduplication in Cloud Storage Environment", International Journal of Computational Intelligence Research, ISSN: 0974-1259,13(11), (2017), 2357-2363.
- [8] **M.Tanoj Kumar**, "Cloud based mobile storage augmentation design with data de-duplication", International Journal of Research studies in computer science and Engineering, ISSN: 2349-4840, 2(3), (2015), 13-15.



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[9] **M.Tanooj Kumar** et al., "Optimized storage approaches in cloud environment", International Journal of Engineering Sciences and Research Technology, ISSN: 2277-9655, 3(12), (2014), 601-605.

[10] **M.Tanooj Kumar** et al., "Survey on Inverted index Compression over structured data", International Journal of Advanced Research in Computer Science, ISSN: 0976-5697, 6(3), (2015), 57-61.

[11] **M.Tanooj Kumar** et al., "A Cloud computing solution for EHR Maintenance in PHCC", International Journal of Computer Science and Information Technology, ISSN: 0975-9, 5(2), (2014), 2369 – 2372.

[12] **M.Tanooj Kumar** et al., " Vehicle Tracking with pollution checkup validity", International journal of Information Technology, Engineering & Sciences, 2(1),(2012),97-100.

[13] **M.Tanooj Kumar** et al."Measurement of AC & DC voltages using IBM compatible Personal Computer", A Journal of Lab Experiments, 5(4),(2005),289-293.

### List of Publications ( National and International Conferences)

1. Title of the Paper :  
**Backup power system for computing application**

Name of the Seminar	Name of the Sponsoring Agency	Organized By	Period
3rd International conference on condensed matter and applied physics (ICC-2019)	American Institute of Physics	Govt. Engineering College, Bikaner, Rajasthan	14th & 15th October, 2019

2. Title of the Paper :  
**A Hybrid approach for enhancing security in Internet of Things (IoT)**

Name of the Seminar	Name of the Sponsoring Agency	Organized By	Period
International Conference on "Intelligent Sustainable Systems"	IEEE	SCAD IT, Palladam	21 <sup>st</sup> & 22 <sup>nd</sup> FEBRUARY 2019

3. Title of the Paper :  
**Grid Power Energy System for IoT Applications**

Name of the Seminar	Name of the Sponsoring Agency	Organized By	Period
International Conference on "Renewable Energy Research and Education"	UGC	Government College, Rajamahendravaram	9 <sup>th</sup> & 10 <sup>th</sup> FEBRUARY 2018



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4. Title of the Paper :

**Design and Implementation of Storage optimization techniques on HDFS**

Name of the Seminar	Name of the Sponsoring Agency	Organized By	Period
National conference on "Advancements in Embedded systems and sensor networks "	DST	K.L.University, Vaddeswaram	22 <sup>nd</sup> & 23 <sup>rd</sup> MAY 2015

5. Title of the Paper :

**Privacy Enhanced Electronic Health Records in Cloud using AES algorithm**

Name of the Seminar	Name of the Sponsoring Agency	Organized By	Period
National seminar on "Information and Communication Technologies "	UGC	Andhra Loyola College, Vijayawada	11 <sup>th</sup> & 12 <sup>th</sup> AUG-2014

6. Title of the Paper :

**Advances in wireless networks and mobile computing**

Name of the Seminar	Name of the Sponsoring Agency	Organized By	Period
National seminar on "Information and Communication Technologies "	UGC	Andhra Loyola College, Vijayawada	11 <sup>th</sup> & 12 <sup>th</sup> AUG-2014

7. Title of the Paper :

**Survey and comparison of Hierarchical Key Distribution schemes for secure dynamic group communication.**

Name of the Seminar	Name of the Sponsoring Agency	Organized By	Period
National Seminar on "INTRUSION DETECTION USING DATA MINING"	AICTE	Gudlavalleru Engineering College, Gudlavalleru	25 <sup>th</sup> & 26 <sup>th</sup> FEB 2010

### Projects -Guided

- Post-Graduation(P.G.): M.Tech - 03
- Under-Graduation(U.G.)- B.Tech - 12

### Memberships in Professional bodies / Academics / Societies

- Associate Member IETE (The Institution of Electronics and Telecommunication Engineers)
- Life Member IAENG (International Association of Engineers)

(Dr.M.Tanooj Kumar)