

Personal Information

Name	Dr. M. INDRASENA REDDY
Years of Experience	Teaching: 10 Years Research: 04 Industry: NIL
Email Id	indrasenareddy.m@bvrithyderabad.edu.in
Areas of Specialization	Network security, Cloud Security, Cyber Security



Date of Joining: 01-07- 2021

Educational Qualifications:

Doctoral Degree	Ph.D.(CSE)	JNTUA, Anantapuramu.
PG Degree	M. Tech.(CSE)	JNTUA, Anantapuramu.
UG Degree	B. Tech.(CSE)	JNTUA, Anantapuramu.

Grants/Projects:

S No	Type of Funding	Funding Agency	Amount (Rs)	Date of sanction
1	MRP-4580/14	SERO/UGC	3,10,000	March 2014

Patents:

1. M. Indrasena Reddy, “Machine Learning Based Intelligent Automatic water tank cleaning Robot for home”, with Application No: 202041053139 Published in Patent Journal & Awaiting Examination.
2. M. Indrasena Reddy, “Cloud-Based Heart Disease Identification And Treatment For Sudden Heart-Beat Rate Variation Using CNN Models”, with Application No: 202141025214 Published in Patent Journal.

Book Chapters:

1. M. Indrasena Reddy, Published a Book Chapter on “Data Structures Lab Manual using C”, Lambert Academic Publishing, 2020, ISBN:978-620-0-47620-3

Google Scholar Link :

https://scholar.google.com/citations?user=SL_uCP0AAAAJ

PUBLICATIONS:

SCI/SCI-E/ESCI Journals:

1. M. Indrasena Reddy, Dr. A.P Siva Kumar “A secured cryptographic system based on DNA and a hybrid key generation approach” *Bio Systems Elsevier* vol-197, June 2020, pp. 104207. <https://doi.org/10.1016/j.biosystems.2020.104207> (SCI)
2. M. Indrasena Reddy, Dr. A.P Siva Kumar “An efficient data transmission approach using IAES-BE” cluster computing **Springer** vol-23, April 2020, pp.1633-1645. DOI [10.1007/s10586-020-03098-y](https://doi.org/10.1007/s10586-020-03098-y) (SCI-E)
3. M. Indrasena Reddy, Dr. A.P Siva Kumar “A Modified Advanced Encryption Standard Algorithm” *Journal of mechanics of continua and mathematical science*, issue-5, jan-2020, pp.333-341. <https://doi.org/10.26782/jmcms.spl.5/2020.01.00027> (E-SCI)
4. M. Indrasena Reddy, Dr. A.P Siva Kumar “A Secure Approach for Data Transmission in computer networks using Modified Advanced Encryption Standard Algorithm” *Journal of mechanics of continua and mathematical science*, issue-3, Sep 2019, pp.14-28. <https://doi.org/10.26782/jmcms.spl.3/2019.09.00002> (E-SCI)

Scopus Journals:

1. M. Indrasena Reddy, Dr. A.P Siva Kumar “Design and Implementation of high security cryptography for network applications by Using Bit Transition Encoder and Decoder” *International Journal of Engineering & Advanced Technology*, vol-8, issue-6, august 2019, pp.4476-4482.
2. M. Indrasena Reddy, Dr. A.P Siva Kumar “Secured data transmission using wavelet Based steganography and cryptography by using AES algorithm” *procedia computer science*, Vol-85, 2016, 62-69.
3. M. IndraSena Reddy, “Wireless Application Protocol for Potential Threats to Mobile Agent Network Security”, *Journal of Electronic science and Technology*, VOL.10, NO.3, September 2012, Digital Object Identifier: 10.3969/j.issn.1674-862X.2012.03.005.

Non Scopus Journals:

1. M. IndraSena Reddy, K Subba Reddy and V Uday Kumar “A Practical Approach for Secured Data Transmission using Wavelet based Steganography and Cryptography”, *International Journal of Computer Applications (0975 – 8887)* Volume 67– No.10, April 2013.
2. M. IndraSena Reddy, K Subba Reddy and V Uday Kumar “red Data Transmission using Wavelet based Steganography and Cryptography”, *International Journal of Computer Applications (0975 – 8887)* Volume 67– No.10, April 2013.

3. M. IndraSena Reddy, K Subba Reddy and V Uday Kumar “Human Computing and Machine Understanding of Human Behaviour”, International Journal of Emerging Research in Management & Technology ISSN: 2278-9359 (Volume-2, Issue-4), April, 2013.
4. M. IndraSena Reddy, K Subba Reddy and V Uday Kumar “Foolproof Security for Key Stroke Biometrics”, (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 4 (2) , 2013, 315 – 318
5. M. IndraSena Reddy and M. Subba Reddy, “Key Distillation process on Quantum cryptography protocols in Network Security”, International journal of Advanced Research computer science and Software Engineering, Vol.2, Issue 6, 2012
6. M. IndraSena Reddy, “Image Compression Techniques by using wavelet”, Journal of information engineering and applications, Vol.2, No.5, 2012.
7. M. IndraSena Reddy, “Establishment of Public Key Infrastructure for Digital Signatures”, Computer Engineering and Intelligent Systems, Vol 2, No.6, 2011, pp.33-43.
8. M. IndraSena Reddy, “A Practical Approach for Implementation of Public Key Infrastructure for Digital Signatures”, Computer Engineering and Intelligent Systems, Vol 1, No.2, 2011, pp. 29-38.
9. M. IndraSena Reddy and M. Subba Reddy, “Different medias of steganography-An emerging field of network security”, International journal of computer science and information technology, Vol.3, No.2, 2012.
10. M. Purushotham Reddy, K. Subba Reddy, M. Indra Sena Reddy, G. Sreenivasulu, “Host based information gathering Honey Spots for network security”, IJCER, Vol.2, No.2, 2012.

International Conferences:

1. M. IndraSena Reddy et.al has published a paper in an “International Conference on Emerging trends in Engineering Sciences and Management (ICEESM)” with a title as “Design and Implementation of Cryptography System for Image, Audio and Video Files”
2. M. IndraSena Reddy et.al has published a paper in an “International Conference on Emerging trends in Engineering Sciences and Management (ICEESM)” with a title as “A Practical approach for secured data transmission using wavelet-based S&C using AES Algorithm”
3. M. IndraSena Reddy et.al has published a paper in an “International Conference on computational modelling and security (CMS 2016)” with a title as “secured data transmission using wavelet-based S&C using AES Algorithm”
4. M. IndraSena Reddy et.al has published a paper in an “International Conference on Nanoscience, Engineering & Advanced Computing (ICNEAC-2011).

Short Term Courses (NPTEL/SWAYAM):

1. **Coursera** certificate is awarded to **M. INDRASENA REDDY** for successfully completing the course **“Programming for Everybody (Python)”** the period from **Jan’20 to May’20**.
2. **NPTEL** certificate is awarded to **M. INDRASENA REDDY** for successfully completing the course **“Compiler Design”** with a consolidated score of **68%** for the period from **Jan’20 to Apr’20**.
3. **NPTEL** certificate is awarded to **M. INDRASENA REDDY** for successfully completing the course **“Accreditation and Outcome based Learning”** with a consolidated score of **75%** for the period from **Aug’19 to Oct’19**.
4. **NPTEL** certificate is awarded to **M. INDRASENA REDDY** for successfully completing the course **“Introduction to Automata, Languages and Computation”** with a consolidated score of **73%** for the period from **Jan’19 to Apr’19**.
5. **NPTEL** certificate is awarded to **M. INDRASENA REDDY** for successfully completing the course **“Problem Solving through Programming in C”** with a consolidated score of **72%** for the period from **Jan’18 to Apr’18**.
6. **NPTEL** certificate is awarded to **M. INDRASENA REDDY** for successfully completing the course **“Cryptography and Network Security”** with a consolidated score of **69%** for the period from **Jan’18 to Apr’18**.

Workshops Attended:

1. Mr. M. Indrasena Reddy attended one week Workshop on “National Level Online Bootcamp of Career Building with Python” organized by Codegnan IT Solutions, on 1st to 7th Jun 2020
2. Mr. M. Indrasena Reddy attended one week Workshop on “Natural Language Process on Artificial Intelligence” organized by Codegnan IT Solutions, on 17th to 21 Jun 2020.
3. Mr. M. Indrasena Reddy, Two Day workshop on “Artificial Intelligence and Deep Learning” Organized by the RGM CET, Nandyal on 04.01.2019 & 05.01.2019
4. Mr. M. Indrasena Reddy, attended a 6-day Workshop on “Android Firebase” organized by Dept. of CSE, RGM CET, Nandyal on 16th to 21st Mar’ 2018
5. Mr. M. Indrasena Reddy attended Two Day National Level Workshop on “Research Writing: Theory & Praxis” organized by dept. of English, RGM CET, Nandyal on 15th & 16th Sep’ 2017.
6. Mr. M. Indrasena Reddy attended a one Week Workshop on “Research Methodologies”, held at JNTU, Anantapur during 15/06/2015 to 20/06/2015.

7. Mr. M. Indrasena Reddy attended a one-day workshop on “Innovations in Technology”, held at JNTUA, Anantapur on 9th Dec 2015.
8. Mr. M. Indrasena Reddy attended a 2 Day Training Program (Faculty Development Program) on “Programming in C & Data Structures” held at JNTUA College of Engineering, Anantapur during 25th & 26th March 2015.
9. Mr. M. Indrasena Reddy attended a six-day Training Program in “Programming in C & Data Structures”, held at G. Pulla Reddy Engg College, Kurnool from 21st to 26th Aug, 2012.