

**Rishi MS Institute of Engineering and Technology for women  
Nizampet X Road, Near JNTUH, Kukatpally, Hyderabad**

**FACULTY PROFILE**



1. NAME : ARCHANA PATIL
2. JNTUH REGISTRATIONID : 5979-180102-143239
4. DESIGNATION : ASSOCIATE PROFESSOR (Dept of CSE)
5. YEARS OF EXPERIENCE : 11+ YEARS
6. UG DEGREE : B.TECH
7. PG DEGREE : M.TECH (CSE)
8. Ph.D. (AREA OF THE PH.D WORK) : Pursuing PhD (CSE), from VTU Belgaum, Karnataka.  
**Submitted Thesis.** Area of research “ Green Cloud Computing”
9. SUBJECTS TAUGHT :
  - Compiler Design
  - Cryptography and Network Security
  - Data Structures
  - IOT
  - Cloud Computing
  - Programming for Problem solving
  - Information Security
  - Principles of Compiler Construction
  - Discrete Mathematical Structures
  - Computer Networks
  - Web Technology

**10. PAPER PUBLICATIONS IN NATIONAL, INTERNATIONAL JOURNALS AND CONFERENCE:**

[1] Archana Patil “ IPath Path Inference in Wireless Sensor Networks” indexed by **Scopus and UGC care unit - II**. <https://doi.org/10.37896/psj29.5/911>. ISSN No : 0048-4911. Page [82-89]

[2]. Archana Patil, Dr. Rekha Patil, “Design Engineering” Indexed by **Scopus** “Energy and SLA aware Dynamic Threshold Selection Algorithm for efficient Migration of Virtual Machines “ISSN: 0011-9342| Vol 2021|Issue :7 | Pages : 5269-5284|hi-index-7.

[3]. Archana Patil, Dr. Rekha Patil, **Journal of Computer Science (JCS) Indexed by Scopus** “Multi Resources and Constraints based Consolidation Model to Mitigate the Energy Extravagance at Datacenters“ ISSN : 1549-3636| Volume 18 No 7, 2022, Page : 665-673. H-INDEXT-31. <https://doi.org/10.3844/jcssp.2022.665.673>.

[4].Archana Patil, Dr. Rekha Patil , The International Journal of analytical and experimental modal analysis

(IJAEMA)“Comprehensive Study on Current Trends and future research challenges in Green Cloud Computing” Indexed by **UGC CARE GROUP II Journal- 36727, Open access Journal** ISSN : 0886-9347. Pages 2953-2963. Impact factor -6.3 **DOI:18.0002.IJAEMA.2019.V11I8.208301.03231.**

[5]. Archana Patil, Dr. Rekha Patil, **Elsevier Conference**, suscom-2019, International Conference on Sustainable Computing in Science, Technology and Management(SUSCOM), ”An Analysis Report on Green Cloud Computing Current Trends and Future Research Challenges” Page[ 813-820]. **https://dx.doi.org/10.2139/ssrn.3355151**. Citations-6.

[6]. Archana Patil, Dr. Rekha Patil, an **IEEE Conference-2020**, 3 rd International Conference on Intelligent Sustainable Systems (ICISS 2020), “An Optimal Heuristic Model for Greedy and Efficient Consolidation Process in Cloud Datacenters”. ISBN:978-1-7281-7089-3. **DOI: 10.1109/ICISS49785.2020.9316026.**

[7]. Archana Patil, Dr. Rekha Patil “Proactive and Dynamic Load Balancing Model for workload Spike Detection in Cloud” is communicated in Indonesian Journal of Electrical Engineering and Computer Science.

## 11. **BOOK PUBLISHED**

### **Technical Books: 03**

S. No	AUTHOR NAME	TITLE OF THE BOOK	PUBLISHER NAME	ISBN NO	LINK
1.	Archana Patil(*4)	ML & DL Techniques To Develop IoT Applications	SIPH (Scientific International Publishing House)	9789356252370	<a href="https://www.amazon.in/dp/9390169577">https://www.amazon.in/dp/9390169577</a>
2.	Archana Patil(*3)	Machine Learning & Its Implementation	Bluerose Publishers Pvt. Ltd.	ISBN-10:978-9356681880 ISBN-13:935661880	<a href="https://www.amazon.in/dp/9356681880?ref=myi_title_dp">https://www.amazon.in/dp/9356681880?ref=myi_title_dp</a>
3.	Archana Patil (*4)	C Programming Language	Orange Books	ISBN-10:9390169577 ISBN-13:978-9390169573	<a href="https://dl.flipkart.com/s/VXIeGOuuuN">https://dl.flipkart.com/s/VXIeGOuuuN</a>

## 12. **PATENT : 10**

Sl.No	Faculty Name	Patent Title	Patent Office	Academic Year
1.	Mrs. Archana Patil (*5)	<b>375004-001</b> : Internet of things based financial Data Managing Device in Bank	IPR, India	December-2022
2.	Mrs. Archana Patil (*5)	<b>202241067146 A</b> : A Novel Secure and Fine grained Self Controlled Outsourced Data Detection in Cloud based IoT	IPR, India	November-2022
3.	Mrs. Archana Patil (*9)	<b>202241058643 A</b> : Intergrate IoT and Big Data to Build a Food Safety Tracking System that Protects Consumers ‘HealthUsing Artificial Intelligence System	IPR, India	November-2022

4.	Mrs. Archana Patil (*9)	<b>202241032072 A:</b> A Machine Learning based approach for analyzing the effect of Pharmacogenetics on Anti-Hypertensive Drugs.	IPR, India	June'2022
5.	Archana Patil	Providing Privacy And Security For Nitizens Data Base Using Blockchain	IPR , India	May' 2022
6	Mrs. Archana Patil (*11)	<b>202241016055:</b> Authentic and pre-informative parking system with FOG computing and EDGE computing	IPR Indian	March' 2022
7	Mrs. Archana Patil	A Machine Learning Based Approach For Analyzing he Effect Of Pharmacogenetic On Anti-Hypertensive Drug	IPR , India	Sept' 2021
8	Mrs Archana Patil	<b>202141029699 A:</b> Artificial intelligence based smart solar tracking technique for uninterrupted powering system.	IPR Indian	July' 2021
9.	Mrs Archana Patil (*4)	<b>2021106822 :</b> Impact under Education on Green Cloud Computing	Aust patent	Aug -2021
10	Mrs Archana Patil (*11)	<b>202241026666 :</b> Authenticity and security for critical and important data storage using Blockchain	IPR , India	May' 2022

### **13. MEMBERSHIP OF PROFESSIONAL BODIES :**

- **Member of CSI (Computer Society of India )**
- **Member of IFERP (Institute for Engineering Research and Publication)**

### **14. ANY OTHER CONTRIBUTION:**

- **Editorial / Reviewer board member of IJARTMS (International Journal of Advanced Research in Technology and Management Sciences) .**

### **15. FDPS, WORKSHOPS AND SEMINARS ATTENDED:**

#### **Faculty Development Programme (FDP) :**

- **Five days Faculty Development programme** on “Machine learning & Deep learning for Signal and Image Analysis” **organized by ICT Academy** by online mode from 21-02-2022 to 25-02-2022.
- **Five days Faculty Development programme** on “ Solving Problems & Making Decision “ **organized by ICT Academy** by online mode from 03-01-2022 to 07-01-2022.
- **One week online Faculty Development Programme** on Machine Learning and Deep learning for Signal and Image Analysis organised by Aurora’s Technological and research institute in association with IETE, Hyderabad from 03<sup>rd</sup>- 07<sup>th</sup> January 2022.
- **Five days Faculty Development programme** on Idea Generation Methods **organized by ICT Academy** by online mode from 20-09-2021 to 24-09-2021.
- **Five days Faculty Development programme** on FUNDAMENTALS OF RPA organized by **ICT Academy** by online mode from 21-06-2021 TO 25-06-2021.

- **Five days Faculty Development programme** on Fundamentals of AI & ML organized by **ICT Academy** by online mode from 10-05-2021 to 14-05-2021.
- **A One Week National Level Online FDP** on "Internet of Things and Artificial Intelligence Applications" from 1<sup>st</sup> June to 6<sup>th</sup> June 2020 Organized by CSE Dept, KL Deemed to be University, Vaddeswaram, Guntur, Andhra Pradesh, India.
- **5-Days National Level FDP** on "Cyber Forensics and Cyber Security" organized by Dept of CSE, G.NITS in collaboration with Indian Servers from 15<sup>th</sup> June 19<sup>th</sup> June 2020.
- **Two Day International FDP** on "High Impact Teaching Skill & Mind Mapping For Better Teaching" On 19<sup>th</sup> -20<sup>th</sup> Aug 2020 By International Center for Business studies. By Manipal Academy of Higher Education.
- **Two Day International FDP** on "High Impact Teaching Skill & Mind Mapping For Better Teaching" On 19<sup>th</sup> -20<sup>th</sup> Aug 2020 By International Center for Business studies. By Manipal Academy of Higher Education.

### **Webinars :**

- **Webinar on Intellectual Property and Academics** organized by School of Law, Presidency University, Bengaluru, in collaboration with **Karnataka State Council for Science and Technology (KSCST)** Bengaluru conducted on 7<sup>th</sup> October 2022.
- **Webinar on New Indian Educational Policy** - A Perspective held on 17 Jul 2020 organized by the P N Panicker Foundation in collaboration with NITI Aayog, Ministry of Human Resource Development, National Digital Library of India, Govt. of Kerala and P N Panicker Vigyan Vikas Kendra.
- **Leadership Talk** With Dr. Nilesh N Oak, Expert (Indian Civilization & History) held on 30<sup>th</sup> May Dr. Abhay Jere (Chief Innovation Officer- MHRD Innovation Cell, Govt. of India) Hosting Live session of Leadership Talk With Dr. Nilesh N Oak, Expert (Indian Civilization & History) by MHRD's Innovation Cell.

### **Workshops :**

- **A One Week National Level Workshop** on Online Teaching Tools from 26<sup>th</sup> Oct -2<sup>nd</sup> November 2020.
- **Two weeks online training program** on "Cyber security and Tools" organized by PDACE, Kalaburagi under TEAIP-3, MHRD, Govt of India between 19<sup>th</sup> to 29<sup>th</sup> December 2020.