Sr. No.	Name of Faculty	Achievement
1	**Dr. Madhuri Tayal** 	**Awards Received** • Received Best Paper Award: -"DARNN: Discourse Analysis for Natural languages using RNN and LSTM", ICICA-2021, Vol. 12, No. 5, November 2021, pp-257-264. • Received Best Paper Award: -"Syntax parsing: implementation using Grammar Rules for English language", IEEE International Conference ICESC-2014, 9-11 January 2014, in the category of Information and knowledge based systems. **Patent Granted on** • Foldable Electric Bike • AI driven Robot Controlling Device • A portable offline speech-to-text writing device **Book/Book Chapter Published on Title** "Deep Learning", 2025, ISBN-978-81-985379-7-3, Dr. Madhuri Tayal, Mr. Ravi Gedam, Chendur Publishing House Chennai **Copyright Awarded on** • TIDA: Title identification for natural languages using RDF and Anaphoric Reference Resolution • Predicate Logic Implementation using Sentence -Type for Natural Languages • Determining Semantic Word and Sentence Similarity using Wordnet **Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** • VC Nominee for Data Science courses at Tirpude Institute of Management and Research, civil Lines, Nagpur • Board Chair person, Board of Studies (BOS) in Data Science, GHRCEM, Nagpur • Board Chair person, Board of Studies (BOS) in Data Science, GHRSTU, Nagpur **Grant Received:** Received grant for organizing two weeks FDP on Computational Linguistics: Techniques and Applications, Grant of 2,94,000/- (F.NO. 34-55/257/RIFD/STTP/POLICY-1/2017-18) **Consultancy:** Farook Lime Works, Vani, Maharashtra, "Office Automation (EMS) and Personalized Chatbot", Rs.70,800, for 6 months **Expert lectures delivered: -** 1. Lectures delivered in National Seminar on AI: An Emerging tool for Research in Science and Technology, dated 28th March 2025. 2. Lectures delivered in Online FDP "NLP Trends and Applications" in association with NIT Warangal, EICT Academy, GHRCEM Nagpur, dated 13-22 Jan 2025.

		3. Lectures delivered "Preparation Aspects for Smart India Hackathon" dated 03 Sept 2024 at IT deptt, GHRCEM, Nagpur. 4. Lecture delivered at Anwar Muscat training Services, OMAN, on the topic "Supervised Learning Approach: Machine Learning, Date-28-04-23. 5. Lecture delivered at Anwar Muscat training Services, OMAN, on the topic "Un-Supervised Learning Approach: Machine Learning, Date-29-04-23. 6. Lecture delivered at S.B. jain institute of Technology, Nagpur on the topic Value-added workshop on "Machine Learning using Python" Date-17-05-22. 7. Lecture delivered in AICTE Sponsored One Week Online STTP on IoT from 7th to 12th June 2021, Nagpur on the topic "Machine Learning Algorithms and their Implementation" 2020-21. 8. Taken sessions in two weeks AICTE Sponsored FDP "Computational Linguistics: Techniques and Applications "at RCOEM, Nagpur on the topic "Text summarization and semantic similarity implementations on Colab" dated 12 Dec 2019. 9. Lecture delivered at S.B. jain institute of Technology, Nagpur on the topic "introduction to Machine learning" 2020-21. 10. Lecture delivered at S.B. jain institute of Technology, Nagpur on the topic "Implementation of Machine Learning Algorithms" 2020-21. 11. Lecture delivered at S.B. jain institute of Technology, Nagpur on the topic "Research Methodology" 2020-21. 12. Lecture delivered at St. Pallotti Engineering College, Nagpur on the topic "Hidden Surface Removal and Curves" dated 14 Oct 2016. 13. Lecture delivered at S.B. jain institute of Technology, Nagpur on the topic "Research Methodology" 2018-19. 14. Lecture delivered at Python Academy on the topic "Text summarization and Research" 2019-20

Department of Data Science

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2	Ms. Shivani Harde	**Patent Granted on** • Solar-Powered Electric Vehicles Charging Station • AI driven Robot Controlling Device • AI Based Smart Helmet for Accident Prevention **Copyright Awarded on**

		• Engineering Systems and Technological Solutions • Future ready engineering education and practice **Session chair/ reviewer/ Board Member/Guest Lecture or Expert lecture delivered** • Board Member, Board of Studies (BOS) in Data Science, GHRCEM, Nagpur • Board Member, Board of Studies (BOS) in Data Science, GHRSTU, Nagpur
3	Ms. Reena Chauhan 	**Award:** • Received award from Ram Manohar Lohia foundation for contribution in technical education in Dec 2024 **Achievements:** • Worked as Mentor, Google Student development Club - GDSC (2021-2023) • Awarded 2 times with "Best Teachers Using ICT in Teaching" • Awarded with "Best mentorship award" for mentoring students. Coordinated "Spoken tutorial project- by IIT BOMBAY" July-, 2019 -June 2022 NPTEL courses 1. Successfully completed course on Introduction to IoT, Dec 2023 (Elite category) 2. Successfully completed course on Introduction to Machine Learning, July 2021(Elite category) 3. 3. Successfully completed course on Advance Computer Architecture, Sep 2019 * Coordinated "VIRTUAL LAB PROJECT-BY Expert lecture : IIT,DELHI" till Feb, 2021. • Delivered lecture on "Virtual Lab -an initiative by IiIT Delhi ,on July 2021 in Jiwaji University Gwalior.

Sr. No.	Name of Faculty	Achievement
4	Girish A.Garghate 	**Certification** ● NEP 2020 Orientation and Sensitization Programme ● Mentor, Smart India Hackathon (SIH) **Patent on** ● AI Powered Home Assistance Device ● AI-Powered Network Intrusion Detection Device ● Solar-powered electric vehicles charging station **Book Chapter** ● Evolutionary Algorithms to Optimise Deep Learning Model for Water Industry Forecasts

		FDP on ● Challenges of Information Security & Digital Forensics (ATAL)

Sr. No.	Name of Faculty	Achievement
5	Ms. Mamta Ramteke 	Certification • NEP 2020 Orientation and Sensitization Program Patent on • Diagnostic Monitoring Device FDP on • Optimizing Next-Gen Computing for Smart System Development. (ATAL)

Sr. No.	Name of Faculty	Achievement
6	Ms. Pragati Agrawal 	**Patent Granted on** • AI Based Image Recognition Device • AI Driven Robot Controlling Device **Book/Book Chapter Published on Title** • Author of the book "Bible to Basic mathematics" available on amazon. **NPTEL** • **Acquired Silver Certification in NPTEL Course on,** "Programming Data Structures and Algorithm using Python" • **Acquired Silver Certification in NPTEL Course on,** "Deep Learning" • **Acquired Silver Certification in NPTEL Course on,** "Data Analytics using Python" • **Acquired Silver Certification in NPTEL Course on,** "Machine Learning" • **Acquired Course Topper in NPTEL Course on,** "Natural Language Processing" • **Acquired Silver Certification in NPTEL Course on,** "Learning Analytics Tools" • **Acquired Domain Scholar in NPTEL on,** "Data Science" • **Acquired NPTEL Discipline Star in NPTEL on:** "Computer Science and Engineering" • **Acquired Elite Certification in NPTEL Course on,** "Blockchain Technology" • **Acquired Elite Certification in NPTEL Course on,** "Mathematical Foundations of Machine Learning"

		Academic Achievements: • UGC-NET qualified fro the post of Assistant Professor in DEC-2019 • GATE 2021 qualified in CS/IT • GATE 2024 qualified in Data Science and AI

Sr. No.	Name of Faculty	Achievement
7	Ms. Shaiqua Khan 	**Global Certification on** • Successfully Completed the Coursera online Course on **Python for Beginners: Data Structures on July 2025** • Successfully Completed the Coursera online Course on **Object Oriented Programing Using JAVA, on Jan 2025** **Patent on** • AI Driven Robot Controlling Device, 14/11/2025. One Filed patent on Artificial Intelligence Data Processing Device **NPTEL** . Object Oriented System Development using UML JAVA and Patterns, IIT Kharagpur. . Introduction to Database system, IIT Madras. . Data Mining, IIT Khargpur **Research Work** • Indian Journal of Tuberculosis (Scopus Indexed): Intrinsic motivation based exploration for enhancing tuberculosis lesion discovery in sparse annotation chest X-ray datasets. DOI: 10.1016/j.ijtb.2025.10.010 • IEEE Xplore (2025): Real-Time Detection and Outcome Analysis of Cache Poisoning Attacks using Machine Learning.(DOI: 10.1109/INSPECT67393.2025.11350908) • ICICT 2026 (Springer LNNS, Accepted): Cache Poisoning Attack Detection in ICN. • Scopus Journal: AI-Powered Multi-ModalRouting Framework (DOI: 10.52783/anvi.v28.4338) • Scopus Journal: Blockchain Security Protocols (DOI: 10.52710/cfs.44)

Sr. No.	Name of Faculty	Achievement
8	Mr. Syed Rizwan Ali 	**Patent Granted on** • AI data processing device **NPTEL** • **Acquired Elite Certification in NPTEL Course on, "**Data Base Management System" • Successfully completed the certification in NPTEL Course on, "Machine Learning and Deep Learning - Fundamentals and Applications FDP" **NPTEL FDP** • **"**Data Base Management System" • "Machine Learning and Deep Learning - Fundamentals and Applications FDP"

Sr. No.	Name of Faculty	Achievement
9	Vaishali Sahare (Katkar) 	**Global Certification on** • Oracle Cloud Infrastructure Certified AI Foundations Associate– May 27, 2026 with score of 98% • Oracle Data Platform Certified Foundations Associate – May 10, 2026 with score of 98% • Certified Platform Developer - I, September 28, 2025 with score of 83% • Certified Agent force Specialist, September 10, 2025 with score of 92% • Microsoft 70-480 Exam, on "Programming in HTML5 with JavaScript and CSS3" with 86% **Patent on** • Breath Alcohol Concentration Monitoring and Evidence Recording System • Free Flowing Water Depth and Velocity Analyzer • Wireless Hand Gloves for Cricket Scoreboard Update • Speeding Vehicle Crime Evidence Collection and Verification System • Pen drive locator case

		NPTEL • NBA Accreditation and Teaching-Learning in Engineering (**NATE**), IISc Bangalore. • Outcome Based Pedagogic Principles for Effective Teaching (**OBE**), IIT Kharagpur. • Research Methodology, IIT Madras. • Programming in Java, IIT Kharagpur. **Consultancy/ Research Work Grants Received** • Received a grant of 2,00,000/- for Medical Device Integration with Laboratory Information System for the session 2023-2024. **Guest Lecture or Expert lecture delivered** • Expert Talk on "IoT Deployment Methods", at Maximum Solutions Pvt. Ltd., Nagpur, on March 31, 2024. • Expert Talk on "Spring Framework Architecture for Web Application Development", for event of company's Best Practices Forum at Kratin Solutions Pvt. Ltd. Nagpur, on October 28, 2023. • Guest Lecture delivered on "Introduction to Android Application Development" at KDK COE on 21 Aug 2019. • Guest Lecture delivered on "Introduction to .NET Framework and Development" at KDK COE on 28 Sept 2019. • Guest Lecture delivered on "Grid Computing" at Cummins COE on 6th March 2017. • Guest Lecture delivered on "Real time communication and RT POSIX" at Cummins COE on 23 March 2017 • Expert Talk delivered on topic "How to Manage Cloud Computing & it's Applications" in STTP on "IoT & Cloud Computing" at GHRIET on 25th Nov 16. • Guest Lecture delivered on "UMTS: 3G Technologies & Concepts" in Department of CSE at YCCE, Nagpur on 28 March 2014. • Guest Lecture delivered on "RTOS: Microkernel" for M.E. WCC 2nd Sem at PCE, Nagpur on 30 April 2014. • Guest Lecture delivered on "Mobile Computing", in Department of CSE at WCEM, Nagpur on 8 Feb. 2014