

DR. PRAVEEN BARAPATRE

Address: - 702, Someshwar Residency, Sector 10, Kharghar, Navi Mumbai-410201

Phone: -+918806680093, +918149404681

Email: pravinbarapatre@hotmail.com

LinkedIn Profile · <https://in.linkedin.com/in/praveen-barapatre-a1313618>

To obtain a challenging administrative/leading position in a highly reputed organization, where I can use my qualifications and earned skills to nurture myself, to make a difference in terms of achievements, quality of lives and contributions toward humanity by growing their interests in whatever they learn and making them consistent achievers.

KEY RESPONSIBILITIES

Academic Leadership:

- Overseeing the design and delivery of IT-related academic programs and courses.
- Collaborating with faculty to develop curriculum, update course content, and ensure that educational objectives are met.
- Monitoring the academic progress of students and implementing strategies to improve student success rates.

Department Administration:

- Managing the department's budget, including resource allocation and financial planning.
- Supervising department staff, including faculty, administrators, and support personnel.
- Implementing and enforcing department policies and procedures.
- Handling administrative tasks such as scheduling, course assignments, and faculty evaluations.

Curriculum Development:

- Staying current with industry trends and emerging technologies to ensure that the curriculum is relevant and up-to-date.
- Leading efforts to integrate new technologies into the curriculum.
- Assessing and revising the department's course offerings as needed.

Research and Innovation:

- Encouraging and supporting faculty and students in their research endeavors.
- Promoting a culture of innovation and fostering collaboration with industry partners.
- Seeking external funding opportunities for research projects and grants.

Infrastructure and Technology Management:

- Overseeing the maintenance and enhancement of IT infrastructure, including labs, servers, and networking equipment.
- Ensuring that software and hardware resources are up to date and meet the needs of faculty and students.
- Managing IT security protocols and data protection measures.

Student Support:

- Providing guidance and support to students with academic and career-related concerns.
- Implementing student-focused initiatives such as internships, co-op programs, and career development opportunities.
- Promoting a positive learning environment and addressing student grievances.

Industry Partnerships:

- Establishing and nurturing partnerships with IT companies, organizations, and alumni.
- Collaborating with industry stakeholders to facilitate internships, guest lectures, and industry-relevant projects.
- Identifying opportunities for students to gain real-world experience.

Accreditation and Compliance:

- Ensuring that the department meets accreditation standards and regulatory requirements.
- Coordinating efforts for accreditation reviews and reporting.
- Adhering to ethical and legal standards related to academic programs and research.

Strategic Planning:

- Developing and implementing a strategic plan for the IT department in alignment with the institution's overall strategic goals.
- Setting departmental objectives, priorities, and performance metrics.
- Monitoring progress and making adjustments as needed.

Communication and Collaboration:

- Facilitating communication and collaboration among faculty, staff, and students.
- Representing the department at institutional meetings and committees.
- Building positive relationships with other departments and stakeholders within the institution.

Professional Development:

- Supporting faculty and staff in their professional development by encouraging conference attendance, certifications, and skill enhancement.
- Staying informed about advances in IT education and best practices.

Financial Management:

- Ensuring responsible fiscal management of the department's budget and resources.
- Exploring opportunities for revenue generation, such as through consulting, partnerships, or continuing education programs.

EXPERIENCE 12 YEARS (Teaching & Research)

06 DECEMBER 2022 – PRESENT

ASSOCIATE PROFESSOR AND HEAD, JSPM'S BSIOTR, WAGHOLI, PUNE

Working as Associate Professor and Head in Information Technology Department

13 JANUARY 2022 – 17 NOVEMBER 2022(10 MONTHS)

PROFESSOR AND DEAN (R & D), VISHWANIKETAN'S IMEET, KHALAPUR (VIMEET)

Worked as Professor in Computer Engineering Department and coordinate research activities

1 JANUARY 2017 – 18 JANUARY 2022 (5 YEARS 1 MONTH)
FULL TIME RESEARCH SCHOLAR, NIT SURAT (SVNIT)

Worked as full time research scholar and teaching assistant

1 JULY 2013 – TO 30 DECEMBER 2016 (3 YEARS 6 MONTHS)

ASSISTANT PROFESSOR AND HEAD, SINHGAD INSTITUTES, LONAVALA

Worked as Assistant Professor and Head in Information Technology Department.

11 AUGUST 2011 – TO 30 JUNE 2013 (1 YEAR 11 MONTHS)

ASSISTANT PROFESSOR, SINHGAD INSTITUTES, LONAVALA

Worked as Assistant Professor in Computer Engineering Department.

21 OCTOBER 2015 – TO 12 FEBRUARY 2016 (4 MONTHS)

ASSISTANT PROFESSOR, STES RWANDA, AFRICA (ON INTERNATIONAL DEPUTATION)

Worked as Assistant Professor in Computer Engineering Department.

EDUCATION

JUNE 2022

PH.D. NIT SURAT (SVNIT)

Full Time Doctor of Philosophy in Engineering & Technology on IoT based Smart Irrigation Systems and Agriculture Methods. (Multidisciplinary-Civil Engineering)

JULY 2011

M.TECH. NIT BHOPAL (MANIT)

Completed Master of Technology in Remote Sensing and Geo-informatics with 7.73 GGPA First Division. (Multidisciplinary)

JULY 2009

B.E. RGTU BHOPAL (RAJIVE GANDHI TECHNOLOGICAL UNIVERSITY, BHOPAL)

Completed Bachelor Of Engineering In Computer Science And Engineering With 58% Second Division.

PROJECT SUPERVISSION AND RESEARCH WORK

- M.E. Student Guided - 5
- B.E. Project Guided-20+
- Paper Published in International Journal - 21+
 - Scopus - 2
- International Conferences Attended - 4+
- Workshop Attended - 10+

PATENT

- A Design Patent granted and published in journal number 52/2021 on date 24th December 2021 for a smart soil moisture probe by Intellectual Property India (Controller general of Patent, Design and Trademarks, Department of Industrial Policy and Promotion, Ministry of Commerce and Industry)

(Application no. 351921-001).

EXAM QUALIFIED

- Qualified GATE-2008 exam with 85.41 with AIR 717
- Qualified GATE-2005 exam with 82.09 with AIR 1394

PROJECTS

- M.E. Projects(Guided)
 - 1. Identifying GIS Functionality Using Natural Language Questions.
 - 2. A Framework for Prediction of Crowdsourcing Behavioral Outcomes.
 - 3. Security Analysis of a Single Sign-On Mechanism for Distributed Computer Networks
 - 4. Utilizing GPGPU Power for LIC Sketch Generation Using CUDA.
 - 5. Advance Intelligence Surveillance System for Security Using GMM and OpenCV
- Industrial Projects
 - 1. Selec Control Pvt. Ltd (UI for Variable Frequency drives)
 - 2. Selec Control Pvt. Ltd (Employee Upskilling Portal for HR Department.)
- Ph.D. Project
 - Irrigation Water Management Using Internet of Things

PUBLICATION BOOK/CHAPTER

- Augmented and Virtual Reality, Tech-Neo Publications (Elective-VI for Savitribai Phule Pune University 2019 Course) Book Chapter.
- Social Computing, Tech-Neo Publications (Elective-V for Savitribai Phule Pune University 2019 Course) Book Chapter.

OTHER ACTIVITY AND CERTIFICATION

- Completed 3 months certificate program in 'c' language from KICIT Nagpur under guidance of Mr. Yashwant Kanitkar (author of let us c).
- Regional level Model presentation at K.V.NO. 1. ITARSI.
- Attended 10 days NSS camp at college level.

WORKSHOP ATTENDED

- Attended National workshop on “Data base management system” at COEP, Pune, organized by IIT Bombay & ISTE 21st May 2013 to 31st May 2013.
- Attended National workshop on “Introduction to Research Methodologies” at KK Wagh Institute of Research & Technology, Nasik, organized by IIT Bombay & ISTE 25th Jun 2012 to 5th July 2012.
- Attended National workshop on “Software Development Techniques for Teachers & Scientist” at PIIT, Panvel, Navi Mumbai, organized by IIT Bombay & ISTE 5th November 2011 to 3rd December 2011.
- Attended Mission10X workshop on “High Impact Teaching Skills” at Sinhgad Institute of Technology, Lonavala, organized by Wipro Ltd.
- Attended National workshop on “GPS technology and its applications” in Maulana Azad Nation Institute of Technology Bhopal (M.P.) - (16th -17th April,2010)
- Attended National workshop on “DGPS technology and its applications” in Maulana Azad Nation Institute of Technology Bhopal (M.P.) – (18th April,2010)

- Attended Workshop on “Principles and Applications of GIS” in School of Planning and Architecture, Bhopal (M.P) - (27th–28th September 2010)

PUBLICATIONS (INTERNATIONAL JOURNALS-15)

- Praveen Barapatre and Jayantilal N. Patel, “Determination of Root Zone Depth of Sugarcane Plant for Placement of soil moisture Sensor for Smart Irrigation System” BJIT-International Journal of Information Technology (Springer’s SCOPUS Indexed) (Under Process)
- Praveen Barapatre and Jayantilal N. Patel, “Saving of Irrigation Water Using IoT Based Soil Moisture Content Device for Sugarcane Crop” BJIT-International Journal of Information Technology (Springer’s SCOPUS Indexed) (Under Process)
- Praveen Barapatre and Jayantilal N. Patel, “Determination of Soil Moisture Using Various Sensors for Irrigation Water Management”, International Journal of Innovative Technology and Exploring Engineering (SCOPUS Indexed) Volume-8 Issue-7 May, 2019 Page 576-582
- Praveen Barapatre and Jayantilal N. Patel, “Development of Internet of Things (IoT) based Smart Irrigation System for Sugarcane Crop”, International Journal of Innovative Technology and Exploring Engineering (SCOPUS Indexed) Volume-8, Issue-9S, July 2019 Page 650-654
- Survey on efficient Retrieval of Nearest neighbor over relational database by using keywords. Prof. Praveen R. Barapatre, Miss. Nikita R. Barge, IJECS 2015, volume-4 issue-2 February 2015, ISSN No. 2319-7242
- Location Based Query Processing for Providing Privacy to Exploit Service Similarity: A Survey. Prof. Praveen R. Barapatre, Prerna Deokar, IJSR 2015, Volume-4 Issue-1 January 2015, issn No .2319-7064
- Spam Filtering Using Combine Shift AND & OR String Matching Algorithm. Prof. Praveen R. Barapatre, Swati Jaiswal, CTTS 2014, Volume 3, Issue 3, April-May 2014, ISSN No. 2279-0535
- A Framework for Predication of Crowd sourcing Behavioral Outcomes. Prof. Praveen R. Barapatre, Jayshree D. Abhonkar, IOSR-JECE 2014, Volume -9 Issue-2 March – April 2014 e-ISSN No. 2278-2834, p-ISSN No. 2278-8735
- A Survey On GPU System Considering Its Performance On Different Applications Prof. Praveen R. Barapatre, Dattatray Londhe, CSEIJ 2013, Volume-3, Issue-4, Aug 2013,
- Intelligence Security System for Object Detection, Molding, Classification of human behavior using Image Processing. Prof. Praveen R. Barapatre, Rajkumar B. Pawar. cPGCON 2014, ELSEVIER – 2014 ISBN – 9789351072928
- Improved Intelligence Surveillance System for Object Detection, Classification of Human Behavior using GMM and Open CV. Prof. Praveen R. Barapatre, Rajkumar B. Pawar, IJSR 2015, Volume-4 Issue-1 January 2015, issn No .2319-7064
- Improvement in the Usability of GIS Based Services by Applying Semantic Ontology. Prof. Praveen R. Barapatre, Abhijit Manepatil, IJRET 2014, Volume -3, Issue -2, Feb 2014, eISSN 2319-1163/pISSN 2321-7308
- Enhance Usability of Normal User Behavior by Defining New Technique for Geo-Information in Geosemantic Framework. Prof. Praveen R. Barapatre, Abhijit Manepatil, IJMER 2014, Volume -3, Issue-3(8), ISSN No. 2277-7881
- Adapting Singlet Login in Distributed Systems. Prof. Praveen R. Barapatre, Bhavana M. Bahikar, IJRET 2014, Volume -3, Issue -2, Feb 2014, eISSN 2319-1163/pISSN 2321-7308
- Soundness to Single Sign on Using OTP in Distributed Networks. Prof. Praveen R. Barapatre, Bhavana M. Bahikar. IOSR-JECE 2014, Volume -16 Issue-2 March – April 2014 e-ISSN No. 2278-0661, p-ISSN No. 2278-8727

PUBLICATIONS (INTERNATIONAL CONFERENCES-3)

- Praveen Barapatre and Jayantilal N. Patel, “Development of Internet of Things (IoT) based Smart Irrigation System for Sugarcane Crop”, International Conference on Innovations in Communication Computing and Sciences (ICCS2019) 26th – 27th July 2019 (Paper No. ICCS-109) (Abstract Proceeding Page no. 47)
- Praveen Barapatre and Jayantilal N. Patel, “Determination of Root Zone Depth of Sugarcane Plant for Placement of soil moisture Sensor for Smart Irrigation System” International Conference On Computational Intelligence in Engineering Systems (ICCIES-2021) June 25-26, 2021 (Paper Id: ICCIES_201)
- Praveen Barapatre and Jayantilal N. Patel, “Saving of Irrigation Water Using IoT Based Soil Moisture Content Device for Sugarcane Crop” International Conference On Computational Intelligence in Engineering Systems (ICCIES-2021) June 25-26, 2021 (Paper Id: ICCIES_209)

SKILLS

- Packages
 - Arc GIS
 - ERDAS Imagine
 - ILWIS
 - Quantum GIS.
- Languages
 - C
 - C++
 - Arduino Programming
 - Java
 - HTML
 - VB6
- Subject Taught
 - Fundamentals of Programming Languages.(C, C++)
 - Computer Graphics & Multimedia
 - Data Communication
 - Computer Networks
 - Artificial Intelligence
 - Internet of Things
 - Cyber Security