

Department of Information Technology



ITSa Magazine 2024-25

Term I (June – Dec)

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Department of Information Technology



Information Technology Students Association

**AY 2024-25 (Jun-Dec)
Term I**

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Department Vision & Mission

VISION

To achieve excellence in the field of Information Technology by developing Competent Engineers to cater the need of IT industry and Society.

MISSION

- **M1** : Achieve excellence in teaching learning process by imparting quality and value based education
- **M2** : Groom competent IT professionals by keeping pace with changing technology to address needs of industry and society
- **M3** : Promote research and innovation

Program Educational Outcomes (PEOs)

- PEO1** : To prepare the graduates to apply engineering knowledge to design and develop feasible solutions to complex problems
- PEO2** : To prepare the graduates to engage in research and innovation to solve societal and Industrial problems
- PEO3** : To prepare the graduates to exhibit ethics and professionalism to work effectively in multi disciplinary team.

Program Specific Outcomes (PSOs)

- PSO1** : Graduate will possess knowledge of IT Fundaments, Web Technology, Database Management Systems, and Software Engineering to develop innovative applications
- PSO2** : Graduate will have an ability to develop multidisciplinary applications to cater societal needs by using Modern IT tools & Technologies

Program Outcomes (POs)

Engineering Graduates will be able to:

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- 6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

- 7. Environment and sustain ability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multi disciplinary settings.
- 10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one’s own work, as a member and leader in a team, to manage projects and in multi disciplinary environments.
- 12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Director's Message



Dr. R. D. Kharadkar
Campus Director GHRCEM, Pune.

Due to rapid social and technological changes, there is need for quality engineers who can think creatively and apply their intelligence to solve engineering problems while designing products for the ever changing world. GHRCEM was established in year 2006 and achieved a major landmark of conferment of Academic Autonomy by University Grants Commission and Savitribai Phule Pune University in year 2016.

GHRCEM works diligently to achieve excellent standards of quality education by keeping pace with rapidly changing technologies and create technical manpower of global standards with capabilities of accepting new challenges. Our efforts are dedicated to impart quality and value based education to raise the satisfaction level of all stake holders. In view of this, the Institute has imparted various programs under autonomy like Honors / Minor Streams, General Proficiency Courses, Professional Development Courses, Skill Development Courses, Open Electives considering the overall development of students and Soft skills as a part of the Curriculum. The concept of choice based credit system allows learners to choose according to their own learning needs, interests and aptitudes.

To groom the students from industry perspective, the Institute has established academic collaboration with all leading industries to encourage the summer internships and semester internship in industry as a part of curriculum. The Institute is committed to provide continuous support and encouragement for the students having innovative ideas for initiating start-ups. The research achievements of our faculty provide enriched experience to our students at both the graduate and undergraduate levels. The center of excellence created in various domains gives an extraordinary opportunity to our graduate students for nurturing the research aptitude.

We provide an environment for our students to learn to focus on their own goals and in the process to value others. We nurture our students with love and affection in order to bring the best out of them and succeed in life. I would appeal you to take the maximum benefit of the opportunistic environment and join us in our endeavor to actively contribute to the overall improvement of this increasingly globalized society.

Head of Department Message



Dr. Poonam Gupta
HOD - IT

The Information Technology Department of G.H. Raisoni College of Engineering and Management was started in the year 2007. The goal of the Department is to prepare students for successful careers in software and hardware industry that meets the needs of Indian and multinational companies or to excel in higher studies. The Department has experienced and dedicated faculty members with strong commitment to the engineering education and professional ethics.

Information Technology is the field which deals with analyzing and designing hardware, software, and operating systems for a computer system. Our students are trained in software design and implementation. The Department has well equipped laboratories with a good number of personal computers, servers etc. The Department also has a library.

Various workshops, seminars, guest lectures and training programs based on current technologies are organized under various professional bodies such as IEEE CS, ISTE and CSI for the development of faculty and students. Industrial visits are arranged to expose the students to real world applications. The research work is carried out by the faculty along with students in the areas like Wireless Sensor Network, Image Processing and Data Mining. Students are also encouraged and guided for participating in various technical events organized by industries and reputed institutes. As a result of sincere efforts of faculty & state of art facilities provided by the Department, our students are excelling in IT as well as other related industries.

Student Activity Coordinator Message



Ms. Poonam Dhamal
Activity Coordinator, IT Department

It is with great pleasure to introduce the current issue of IT Spectrum, the Information Technology Department magazine, for the academic year 2024-25. This publication serves as a platform to showcase the academic, research, and innovative pursuits of our students and faculty.

The field of Information Technology is at the forefront of technological advancement, demanding creativity, problem-solving, and adaptability. Our department is committed to fostering a learning environment that empowers students to develop these skills and contribute to the ever-evolving digital landscape.

IT Spectrum highlights the department's achievements, including research projects, academic accomplishments, industry collaborations, and student initiatives. It is a testament to the dedication and talent within our community.

I extend my sincere gratitude to the editorial team and contributors for their hard work in creating this informative and inspiring publication. I hope this magazine serves as a valuable resource for students, faculty, and industry professionals alike.

Department Toppers Toppers 2023-24

Sr. No.	Year	Name of Student	Rank	CGPA
1	Second Year	Sanika Dilip Tambare	I	9.805
2	Second Year	Harshal Ashok Nagre	II	9.78
3	Third Year	Prathamesh Dnyandeo Khande	I	9.72
4	Third Year	Shinde Shivram Maroti	II	9.63
5	Final Year	Rohit Mahadev Sangole	I	10
6	Final Year	Tanmay Radhakrishna Aswale	II	9.935

ITSA Magazine 2024-25 Publication Team

Sr No	Name of the Committee Member	Role
1	Dr. Poonam Gupta	HOD IT
2	Ms. Poonam Dhamal	Student Activity Incharge Staff
3	Shivraj Halgode(B. Tech)	President, ITSA
4	Vedant Maruti Pathak(TY)	Vice-President, ITSA
5	Anugrah Vishal Shinde (SY)	Secretary, ITSA
6	Harsh Rajkumar Sarda (TY)	Treasurer, ITSA
7	Shreyans Sandeep Magdum(TY)	Event Coordinator, ITSA
8	Purab Jitendra Roy(SY)	Publicity Incharge, ITSA
9	Adarsh kumar Chaurasia(SY)	Web Master, ITSA

Departmental Activities

Event 1: Skill Development Program on data Analytics

The Department of Information Technology at G H Raisoni College of Engineering successfully organized a comprehensive Skill Development Program on Data Analytics to enhance the technical and professional abilities of students. Conducted by internal faculty members—Dr. Vijaya Choudhary, Mrs. Kiran Gore, Dr. Abdul Waheed Shaikh, and Ms. Kiran Patil—from 18th to 20th June 2024, and further enriched by sessions with industry expert Ms. Swati Joshi, Assistant Vice President – Analytics and Metrics, Deutsche Bank, Pune, on 5th and 6th July 2024, the program offered a blend of academic and industry perspectives. The inauguration was led by Dr. Poonam Gupta, Head of the IT Department, along with all faculty members, where she emphasized the importance of continuous learning and keeping pace with emerging technologies in today's competitive IT landscape. With participation from over 90 students, the program featured interactive sessions and hands-on training on data analytics techniques and tools, equipping students with practical knowledge to bridge the gap between academia and industry. By fostering collaboration between experts, faculty, and students, the initiative marked a significant step in preparing learners to meet the evolving demands of the IT sector.



GHRaisoni
COLLEGE
Engineering and Management
Pune

*Skill
Development on
Data Analytics*

Dept. of Information Technology

Date : 18th – 22nd June, 2024

by Industry Expert
Ms. Swati Joshi
Assistant Vice President,
Deutsche Bank.

Dr. Vijaya Choudhary
& Mrs. Kiran Gore
Co-ordinator

Dr. Poonam Gupta
HOD IT

Dr. R. D. Kharadkar
Director, GHRCEM



Event 2: Growing Green: Community Plants for a Brighter Future!

The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized a tree plantation drive at Green Sunrise Hills, Wagholi, on 6th July 2024. Jamun saplings were planted to promote sustainability, improve air quality, and support biodiversity. Students enthusiastically took part in planting, while faculty coordinators Ms. Yugashree Bhadane, Mrs. Archana Dongardive, Mr. Dnyandeo Khemnagar, and Mr. Amol Chincholkar guided the activity. The drive was planned by Dr. Poonam Gupta, HoD IT, with the support of Dr. R. D. Kharadkar, Campus Director.



GHRaisoni
COLLEGE
Engineering and Management
Pune

Department of Information Technology
Organizes
*'Tree
Plantation
Drive*

Under
Information Technology Student
Association (ITSA)

Date : 6th July, 2024
Venue : Green Sunrise Hills

Ms. Yugashree Bhadane
Activity Coordinator

Dr. Poonam Gupta
HOD

Dr. Ravindra Kharadkar
Director, GHRCEM



Event 3: Bridge to Careers: T&P Session on Accenture Recruitment



The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune has organized a Session on “Accenture Drive Replacement Talk” on 10/07/2024 for B. Tech students. Mr. Sachin Umare, Head of Training and Placement at GHRCEM, conducted a session to enlighten B. Tech students about the significance of the department's activities. The primary focus was on the Accenture recruitment process, which was explained in detail. The Training and Placement department offers a comprehensive suite of training programs designed to enhance students' technical proficiency and soft skills. These programs, conducted by external experts, cover aptitude, logical reasoning, quantitative reasoning, and verbal ability. Additionally, the department organizes mock

interviews, group discussions, and communication workshops facilitated by HR professionals from various industries, specifically tailored for final-year students. Mr. Umare encouraged active student participation in Training and Placement initiatives. Approximately 70 B. Tech students attended the session and benefited from the information provided. Mr. Dnyandeo Khemnar has coordinated the session and proposed vote of thanks. The session was planned and organized by Dr. Poonam Gupta- HOD IT with all support & guidance of Dr. R. D. Kharadkar, Campus Director.

Event 4 : IBM Training: Empowering the Next Gen

The Department of Information Technology at G H Raisoni College of Engineering and Management, Pune, organized a three-day IBM training program from August 5th to 7th, 2024, under IETE (Institution of Electronics and Telecommunication Engineers) and ISTE (Indian Society for Technical Education). The program aimed to equip students with essential knowledge and practical skills in cloud computing, data analytics, and artificial intelligence. Beginning with an introduction to cloud models, services, and architectures, the training progressed to data analytics, where students learned to derive insights using modern tools and techniques, and further explored AI concepts such as machine learning, deep learning, and their industry applications. Hands-on sessions using IBM Cloud platforms reinforced these concepts through real-world scenarios, including data visualization, predictive modeling, and natural language processing. A total of 60 second-year students benefited from the program, coordinated by Ms. Samrudhi Bhadane, under the leadership of Dr. Poonam Gupta, HOD IT, with guidance from Dr. R. D. Kharadkar, Campus Director.



GHRaisoni COLLEGE
Engineering and Management
Pune

An Autonomous Institute Affiliated to SP Pune University
Accredited by NAAC with "A+" Grade & NBA

Department of Information Technology
Organizing

3 Days IBM Training Session

5th to 7th August 2024

9:30 am to 4:30 pm

A-403

Ms Samrudhi Bhadane
Activity Coordinator
GHRCEM, Pune

Dr Poonam Gupta
HoD, IT Department
GHRCEM, Pune

Dr R. D. Kharadkar
Director
GHRCEM, Pune



Mr Aditya Dambale
Edvent Foundation



Event 5: Mastering UML: Blueprint for Clear & Effective System Design

The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized a session on “Mastering UML: Blueprint for Clear & Effective System Design” on 8th August 2024 under ISTE and ITSA. The session aimed to provide students with both basic and advanced knowledge of UML, a standardized modeling language widely used in software engineering. Participants explored structural diagrams (class, object, component, deployment, package) and behavioral diagrams (use case, sequence, collaboration, statechart, activity), gaining insights into system design and functionality. The session also introduced popular UML tools like StarUML, ArgoUML, and Visual Paradigm. A total of 80 third-year students benefited from the session, delivered by Ms. Savita Mane, Assistant Professor, IT Dept. Faculty coordinator was Ms. Yugashree Bhadane, and the program was planned by Dr. Poonam Gupta, HoD IT, with the support of Dr. R. D. Kharadkar, Campus Director.



Event 6: Ignite Your GRE Ambition



The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune, in collaboration with the GFG Student Chapter and CSI, organized a GRE Mock Test on 9th August 2024. Sponsored by Mr. Aditya Chaudhari, Atencion Media, the test replicated the actual GRE format, helping students assess their preparedness and identify areas for improvement. Around 200 students from various disciplines participated, gaining valuable insights into time management, test-taking strategies, and preparation techniques. The event highlighted the importance of vocabulary, quantitative reasoning, and analytical writing for success. Ms. Yugashree Bhadane was the faculty coordinator, while the session was planned by Dr. Poonam Gupta, HoD IT, with the guidance of Dr. R. D. Kharadkar, Campus Director.

Event 7 : Expert session on Pathway to GRE/GMAT Excellence



The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized a session on “Pathway to GRE/GMAT Excellence” on 9th August 2024 under the professional chapters of ISTE and IETE. The session was delivered by Mr. Nitin Lathe, Senior Faculty at IMFS, who guided students on standardized tests such as GRE, GMAT, SAT, TOEFL, and IELTS. He shared effective strategies on study planning, time management, and building a strong academic profile for study abroad opportunities. The workshop emphasized personalized preparation approaches and inspired students with practical insights to strengthen their applications. A total of 170 students from various streams benefited from the session. Ms. Yugashree Bhadane coordinated the event, which was planned by Dr. Poonam Gupta, HoD IT, with the support of Dr. R. D. Kharadkar, Campus Director.

Event 8:Dashboard-Making Competition

The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune, organized a Dashboard-Making Competition on 13th August 2024 under ISTE. A total of 71 students from various departments participated, showcasing their skills in data visualization and analytics. The competition focused on three categories—Best Overall Dashboard Design, Most Innovative Dashboard, and Best Interactive Features—encouraging creativity and analytical thinking. Dr. Vijaya Chaudhary evaluated the entries, and winners were felicitated with books, symbolizing continuous learning. The awards went to Sampada Payas (MCA), Tejas Borle (CS-AIML), and Yash Kute (SY IT-C). The event was coordinated by Ms. Yugashree Bhadane and planned by Dr. Poonam Gupta, HoD IT, with the support of Dr. R. D. Kharadkar, Campus Director.



Event 9: Higher Studies in USA: Guidance to Receive 100% Scholarship

The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized a session on “Higher Studies in USA: Guidance to Receive 100% Scholarship” on 21st August 2024 under the professional chapter of CSI. The session was conducted by Mr. Subhash Pol, Business Development Manager at Edwise International, and witnessed enthusiastic participation from 87 students. Mr. Pol guided students on standardized tests like GRE, GMAT, SAT, TOEFL, and IELTS, while also emphasizing strategies for effective study planning, time management, and building a strong academic profile. The session provided valuable insights into crafting competitive applications and creating personalized study plans, boosting students' confidence to pursue higher education abroad. The event was coordinated by Ms. Yugashree Bhadane and organized by Dr. Poonam Gupta, HoD IT, with the support of Dr. R. D. Kharadkar, Campus Director.



Event 10: Workshop on Dive into GitHub



The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized a workshop on “Dive into GitHub: A Practical Workshop” on 23rd August 2024 under ISTE. Conducted by Mr. Govind Hivrale, DevOps Engineer at BMC Software and alumnus (2020-21), the session witnessed the participation of 131 students. The workshop covered GitHub basics—repositories, branches, commits, pull requests—and essential Git commands. Through hands-on exercises, students created repositories, collaborated on projects, and explored the benefits of version control and open-source contribution. The event was coordinated by Ms. Yugashree Bhadane and organized by Dr. Poonam Gupta, HoD IT, with guidance from Dr. R. D. Kharadkar, Campus Director.

Event 11: Expert Lecture on Achieving Educational Excellence Through OBE: Understanding Course and Program Outcomes



The Department of Information Technology at G H Rasoni College of Engineering and Management, Pune, successfully organized an expert lecture on “Achieving Educational Excellence Through OBE: Understanding Course and Program Outcomes” on 29th August 2024 under the professional chapter of IETE. The session was delivered by Dr. Anil Sahu, Dean of PhD at GHRCEM, Pune, who conducted an insightful discussion on Outcome-Based Education (OBE) for 58 aspiring students. He explained that OBE is a learner-centric approach that emphasizes defining clear learning outcomes and aligning teaching, assessment, and curriculum to achieve them, thereby ensuring that students acquire essential knowledge, skills, and competencies for future success. Dr. Sahu elaborated on the significance of Course Outcomes, which specify what students should achieve at the end of a course, and Program Outcomes, which define broader abilities expected upon program completion, both of which align with the institution's mission and vision. By highlighting the shift from teaching to learning, he emphasized how OBE enhances instructional design, assessment, and career readiness while contributing to societal growth. The session, coordinated by Ms. Yugashree Bhadane and organized under the guidance of Dr. Poonam Gupta, HOD IT, with the support of Dr. R. D. Kharadkar, Campus Director, was highly impactful and well-received.

Event 12: Expert Guidance Session on Smart India Hackathon

The Department of Information Technology, G H Rasoni College of Engineering and Management, Pune organized an Expert Guidance Session on “Smart India Hackathon 2024” under ISTE on 30th August 2024. The session was conducted by Dr. Swapnil Mahajan, Head of Innovation & Incubation, and Ms. Samruddhi Dhamdhare, SIH 2022 finalist and alumnus, who shared insights on innovation, teamwork, and project development. A total of 124 students from various departments benefited from their guidance. The session was coordinated by Ms. Poonam Dhamal and organized under the guidance of Dr. Poonam Gupta, HOD IT, with support from Dr. R. D. Kharadkar, Campus Director.



Event 13 : Industry Visit to Radiant IT Services Pvt. Ltd., Pune

The Department of Information Technology, G H Rasoni College of Engineering and Management, Pune organized an Industry Visit to Radiant IT Services Pvt. Ltd., Pune on 30th August 2024 for second-year students. A total of 44 students explored domains like web and full-stack development, gaining valuable industry exposure. To strengthen academia-industry collaboration, an MoU was signed to conduct expert sessions, workshops, and internships. The visit proved highly beneficial in aligning students' skills with industry expectations. The event was coordinated by Ms. Yugashree Bhadane and organized under the guidance of Dr. Poonam Gupta, HOD IT, with support from Dr. R. D. Kharadkar, Campus Director.



Event 14: Parents Teacher Meet

The Department of Information Technology, G H Rasoni College of Engineering and Management, Pune has organized “Parents Teacher Meet” on 31/08/2024 and 34 parents participated in the event. Ms. Juhi Agarwal warmly welcomed the parents. Mr. Vijaykumar Patil, parent representative shared his valuable insights about IT department and college. Dr. Poonam Gupta, HOD-IT welcomed all parents and explained Mission, Vision and PEO, PO's, placement and students activity of the department. Ms. Surbhi Pranav, Student Counselor shared her valuable thoughts on student well-being and growth. Mr. Sachin Umare, Head of Training & Placement, guided parents on the college's T & P initiatives and opportunities. The information regarding attendance, class test mark as well as defaulter and detention criteria was given by respective Class teacher to Parents. Parents also asked about the academic development of student as well as the placement criteria. Parents



appreciated the efforts taken by the entire team IT in development of students technically and socially. Mrs. Sheetal Aher has coordinated the Parent Teacher Meet. This activity is planned and organized by Dr. Poonam Gupta-HOD IT with all support & guidance of Dr. R. D. Kharadkar, Campus Director.

Event 15 : A Day of Gratitude: Teacher's Day Celebration



The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune, organized Teacher's Day on 5th September 2024 under ITSA. The celebration began with a ribbon-cutting and a welcome speech by students, expressing gratitude to teachers for their guidance and support. Teachers were honored with tokens of appreciation, followed by student speeches, a cake-cutting ceremony, and fun activities. Dr. Poonam Gupta, HoD IT, highlighted the vital role of teachers, while Dr. R. D. Kharadkar, Campus Director, extended support and guidance. The event concluded with a vote of thanks, leaving behind a memorable and heartfelt celebration. Faculty coordinator: Ms. Yugashree Bhadane.

Event 16 : Blind Coding Contest: Mastering the Art of Code Without Seeing

The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune, in association with the GeeksforGeeks Student Chapter, organized a "Blind Coding" competition on 26th September 2024, which witnessed enthusiastic participation from 230 students. The contest was conducted in three progressive rounds: MCQ Round: 30 questions on algorithms, data structures, and complexities, filtering the top 60 students. Average Coding Round: 3 timed coding problems to test efficiency and



accuracy, from which 15 students advanced. Blind Coding Round: The final and most challenging stage, where participants coded without a compiler or display, testing syntax knowledge, logic, and precision. The event not only enhanced problem-solving abilities but also showcased students' coding talent under pressure. The Blind Coding Contest successfully bridged theory with practical application, encouraging innovation, focus, and accuracy in competitive programming.

Event 17: Monogram Designing Competition cum Exhibition



The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized a Monogram Designing Competition cum Exhibition on 27th September 2024 under IEEE and GeeksforGeeks Student Chapter. A total of 43 students showcased their creativity through innovative designs reflecting the department's identity. The event was judged by alumnus Mr. Omkar Raut, and 9 best designs (8 for labs and 1 for the department) will be copyrighted to recognize and protect students' intellectual property. The event was coordinated by Ms. Yugashree Bhadane and organized by Dr. Poonam Gupta, HOD IT, with guidance from Dr. R.D. Kharadkar, Campus Director.

Event 18: Eureka Idea Pitching Competition

The Department of Information Technology at G H Raisoni College of Engineering and Management, Pune, successfully organized the Eureka Idea Pitching Competition on September 27, 2024, under the E-Cell, with 51 students from various departments actively participating. The event provided a dynamic platform to foster innovation and a data-driven culture within the institution, highlighting the importance of effectively communicating ideas to transform concepts into impactful realities. Participants were evaluated on key elements of

effective pitching, including clarity of communication, strong value proposition, passion, use of visual aids, and preparedness through practice. Serving as the evaluator, Mr. Omkar Raut, Associate Software Engineer at Tech Mahindra, offered valuable insights and feedback, while the competition motivated students to refine their ideas and set benchmarks for future innovation. The session was coordinated by Ms. Poonam Dhamal and meticulously planned by Dr. Poonam Gupta, HOD IT, with the support and guidance of Dr. R. D. Kharadkar, Campus Director, making the event a significant step in nurturing entrepreneurial and creative thinking among students.



Event 19: DSY Induction Program

The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized a “DSY Induction Program” on 28th September 2024 for DSY students. The program aimed to familiarize students with the department's vision, mission, curriculum, research initiatives, facilities, and student activities. Dr. Poonam Gupta, HOD IT, addressed the students and guided them about academic opportunities and career paths. A total of 26 students participated in the session, which was coordinated by Mr. Dnyandeo Khemnar. The program was planned by Dr. Poonam Gupta with the support of Dr. R. D. Kharadkar, Campus Director.



Event 20 : AMCAT Conquered- Strategies for High Scores



The Department of Information Technology, GHRCEM Pune, organized an “AMCAT Preparations” test on 01/10/2024 for B.Tech students. The Training and Placement Cell also conducted a session highlighting career opportunities after AMCAT. A total of 310 students participated, gaining insights into effective exam strategies and preparation methods. The event was coordinated by Mr. Dnyandeo Khemnar, with support from Dr. Poonam Gupta (HOD IT) and guidance from Dr. R. D. Kharadkar, Campus Director.

Event 21: Guest Lecture on GenAi – Hype or Reality



The Department of Information Technology, GHRCEM Pune, organized a guest lecture on “GenAI – Hype or Reality” under ITSA on 05/10/2024 for B.Tech students. Mr. Mihir Nanal, Managing Director at Accenture, introduced students to the potential and challenges of Generative AI. The session explored GenAI's capabilities, real-world impact, and the importance of ethical and responsible development. A total of 60 TY students attended. The session was coordinated by Mr. Dnyandeo Khemnar and organized by Dr. Poonam Gupta (HOD IT) with support from Dr. R. D. Kharadkar, Campus Director.

Event 22: Online expert lecture on Bootstrap and Django.

The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized a guest lecture on “GenAI – Hype or Reality” under ITSA on 5th October 2024 for B.Tech students. The session was conducted by Mr. Mihir Nanal, Managing Director at Accenture. He provided an insightful introduction to Generative AI (GenAI), highlighting its rapid rise and real-world applications. Mr. Nanal discussed how GenAI is transforming industries through its ability to generate images, write code, and simulate human-like conversations. He also emphasized the importance of understanding both the potential and limitations of this emerging technology. Key concerns such as data bias, misinformation, and ethical implications were addressed. The session encouraged students to think critically about the future of AI and the need for responsible innovation. A total of 60 third-year B.Tech students attended and benefited from the discussion. The session was coordinated by Mr. Dnyandeo Khemnar, who also proposed the vote of thanks. It was planned and organized by Dr. Poonam Gupta (HOD IT), with the support and guidance of Dr. R. D. Kharadkar, Campus Director.



Event 23 : Expert Lecture on Boost Your Career Prospects: Master OOP and DSA



The Department of Information Technology, GHRCEM Pune, organized an expert lecture on DSA and OOP on 5th October 2024 under the banner of CSI. The session focused on core OOP principles and key data structures, helping students enhance problem-solving and coding skills. Career guidance and academic tips were also shared. A total of 40 SY students participated. The session was coordinated by Ms. Prachi Patil and organized by Dr. Poonam Gupta (HOD IT) with support from Dr. R. D. Kharadkar, Campus Director.

Event 24: Workshop on Build Your Own AI Avatar



The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune, organized a Workshop on “Build Your Own AI Avatar” on October 8, 2024, under IEEE in association with NxtWave Pvt. Ltd. The workshop introduced 65 students from various departments to AI concepts and avatar creation, offering hands-on experience in designing and coding simple AI avatars. Participants worked in pairs, explored software tools, and developed creative AI-based solutions. Mr. Abhinav Devaguptapu, Curriculum Development Manager at NxtWave, served as the resource person. The session was coordinated by Mr. Sahebrao Bhalshankar, and planned by Dr. Poonam Gupta, HoD IT, with the guidance of Dr. R. D. Kharadkar, Campus Director.

Event 25: Expert Session on Career Opportunities after B Tech and Other Competitive Exams

The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized a session on “Career Opportunities after B. Tech and Other Competitive Examinations” on 9th October 2024 under ITSA. Mr. Kaushik Agastyaraj, Faculty at ACE, guided students on diverse career paths after B.Tech, including software development, core engineering roles, higher studies, and competitive exams like GATE, IES, and PSU. The session encouraged students to align their aspirations with suitable opportunities and plan strategically for a fulfilling career. A total of 70 B.Tech students participated. The session was coordinated by Mr. Dnyandeo Khemnar and planned by Dr. Poonam Gupta, HoD IT, with the support of Dr. R. D. Kharadkar, Campus Director.



Event 26 : Significance of Community Detection Algorithms in Real World Applications

The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized an Expert Lecture on “Significance of Community Detection Algorithms in Real-World Applications” on 15th October 2024 under ISTE. The session was delivered online by Dr. Sumit Kumar Gupta, Assistant Professor, IIIT Pune. The lecture introduced students to the fundamentals of community detection algorithms, their types—such as modularity-based, hierarchical, and statistical methods—and explored applications in social networks, biology, and cybersecurity. A total of 143 SY and TY students attended, gaining valuable insights into analyzing complex networks. The session was planned and organized by Dr. Poonam Gupta, HoD IT, with the support of Dr. R. D. Kharadkar, Campus Director.



Event 27: Educational tour to COEP's Bhau Institute of Innovation, Entrepreneurship and Leadership

The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized an educational tour under ITSA to the Bhau Institute of Innovation, Entrepreneurship, and Leadership, COEP. A total of 27 students participated, gaining exposure to innovation processes, entrepreneurship opportunities, and leadership development activities. The visit provided hands-on insights into incubation facilities, networking platforms, and real-world applications of classroom knowledge, motivating students to explore entrepreneurial pathways. The tour was coordinated by Ms. Poonam

Dhamal and planned by Dr. Poonam Gupta, HoD IT, with the support of Dr. R. D. Kharadkar, Campus Director.



Event 28: Code Conquer: A Key for Placements



The Department of Information Technology, G H Raisoni College of Engineering and Management, Pune organized an interactive alumni session “Code Conquer: A Key for Placements” on 15th July 2024. Mr. Pavan Patel, Software Development Engineer at Jade Global and proud alumnus, guided SY students on preparing for careers in the IT industry. He highlighted the differences between service-based and product-based companies, the importance of data structures, and useful resources such as LeetCode, HackerRank, Codeforces, AtCoder, CodeChef, Striver's A2Z DSA, takeUforward, and GSoC. He also shared insights into game development as a career path. The session was coordinated by Ms. Yugashree Bhadane and planned by Dr. Poonam Gupta, HoD IT, with the support of Dr. R. D. Kharadkar, Campus Director.

Event 29: Expert Session on Copyright, Patent, Project Sponsorship & Writing Research Articles



The Department of Information Technology, G H Rasoni College of Engineering and Management, Pune organized an Expert Session on “Copyright, Patent, Project Sponsorship & Writing Research Articles” on 18th July 2024. Prof. Yugashree Bhadane, Assistant Professor, welcomed and introduced the experts Dr. Poonam Gupta (HoD IT) and Dr. Shaikh Abdul Waheed. The session covered key aspects of B.Tech projects, including compulsory tasks, copyright, patents, sponsorship, research article and report writing, as well as plagiarism checks using tools like Turnitin. Students were also encouraged to participate in hackathons, pursue industry sponsorships, and publish research in reputed journals (UGC Care, IEEE, Springer). Around 15+ project groups benefited from the event, which aimed to enhance project quality and academic integrity. The session was coordinated by Dr. Shaikh Abdul Waheed and planned under the guidance of Dr. Poonam Gupta, HoD IT, with the support of Dr. R. D. Kharadkar, Campus Director.

Event 30: Ideathon 2024 Organized by ICT Academy under Collaboration of Capgemini and Barclays Bank



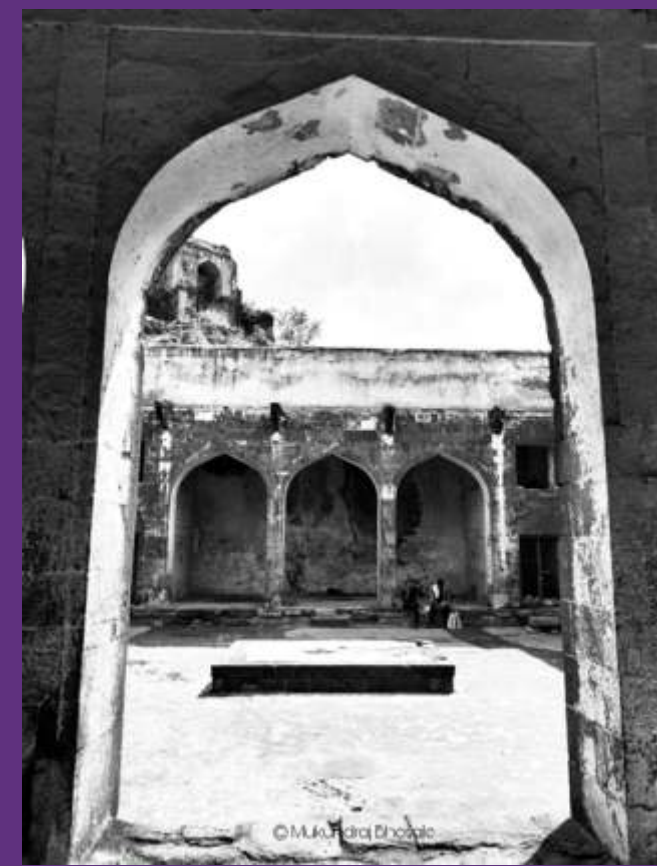
The Department of Information Technology, GHRCEM, Pune participated in Ideathon 2024, organized by ICT Academy in collaboration with Capgemini and Barclays Bank, focusing on themes like Diversity & Inclusion, Sustainable Jobs, Connectivity, and Responsible Growth. An orientation session was conducted on 8th August 2024, after which 30+ IT teams registered, and 4 teams were shortlisted among the top 20 to present their ideas at Barclays Campus with assigned mentors. Students attended three master classes (6th Sept, 30th Sept, and 4th Oct) on innovation, trends, and presentation skills, which prepared them for the semi-final and final rounds. Competing among 106 registered teams, 10 teams from GHRCEM reached the finals. The winning team “New Gen Innovators” secured 1st Prize of ₹1,00,000, followed by “Concept Crew” (₹75,000) and “Power Rangers 2.0” (₹25,000). Other innovative projects included Signage (Sign language translator), Solution Crafters (jobs in rural areas), Passionate (Smart Irrigation), and Tridhara (Eco-friendly Hair Disposal). The event was coordinated by Prof. Neelesh Sirdeshmukh under the guidance of Dr. Poonam Gupta, HOD IT, and Dr. R. D. Kharadkar, Campus Director.

Student Corner

Drawings by students



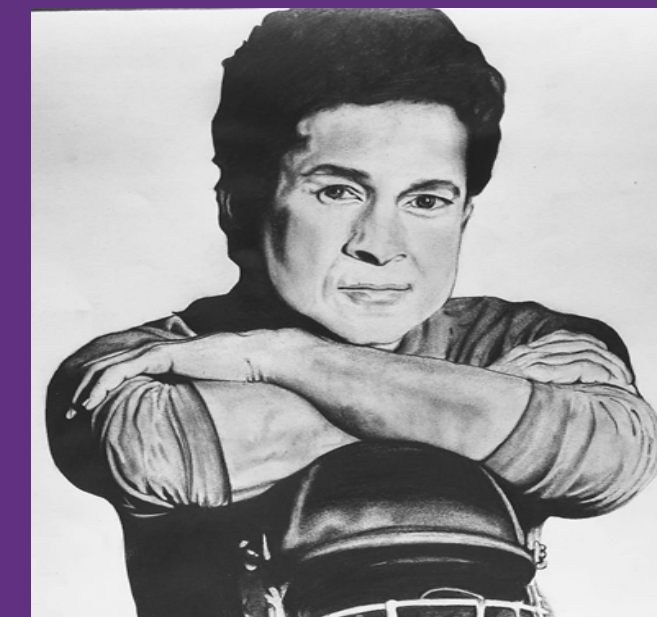
Drawing by Shubhankar Patil



Drawing by Mukundraj Bhosale



Drawing by Ashitosh Thorat



Drawing by Harsh Patel



Drawing by Shivam Shelake



Drawing by Mansi Rakhonde



Siddheshwar Temple, Solapur photography by Sahil Lokhande

Located amidst a lake further flanked by Bhuikot fort, Siddheshwar temple is sacred to Lord Siddheshwar, who is considered as an incarnation of Lord Shiva and Lord Vishnu. The temple is highly revered by the devotees as it is the place where Shri Siddheshwar attained Samadhi. In the main temple complex, there is a beautiful sanctum, which features the idol of Siddheshwar. Also in the main courtyard, there are 68 shiva lingams, which were installed by Lord Siddheshwar. Amrit Linga and Lord Ganesha temples are special mentions. Silver-plated Nandi, and the temple of Vithoba and Goddess Rukmini along with the various other gods are a part of the temple. In the middle of the temple, there is a marble tomb of Siddheshwar. This temple was built by a yogi, and a devotee of Shri Mallikarjuna of Srisailam, Shri Siddharameshwar. He built this temple and made 68 Shiva lingams in the temple as per the instructions of his guru. It is said that Shri Siddheshwar, who is also considered as the six

prophets of Lingayat religion, believed that birth of this saint caused the prosperity of the city and the deity is capable of blessing the devotees. The picture depicts a serene view of Siddheshwar Lake in Solapur, Maharashtra. The lake is calm and reflective, surrounded by lush greenery and buildings in the distance. On the left side of the image, part of a building with a pinkish hue is visible, adorned with trees and plants, adding to the picturesque setting. The sky above is partly cloudy, with light blue and white hues, enhancing the tranquil ambiance. The overall scene captures the peaceful and scenic beauty of the area around Siddheshwar Temple, highlighting its natural and architectural charm.



Photography by Yogesh Nirve



Photography Manish Koli



Photography by Shivam Kalekar



Photography by Mukundraj Bhosale

Department Achievements

NPTEL Achievement

S No	Course Name	Total No Appeared	Gold & Toppers	Elite + Silver	Elite	Successfully Completed
1.	Introduction to IoT, IIT Kharagpur, Weeks 8	119	04	56	52	07



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)



This certificate is awarded to
SAHIL LOKHANDE
for successfully completing the course
Introduction to Internet of Things
with a consolidated score of **88 %**
Online Assignments 25/25 Proctored Exam 63/75
Total number of candidates certified in this course: 33131



Prof. Rajmurti Banerji
Coordinator, NPTEL
IIT Kharagpur



swayam

Jul-Oct 2024
(12 week course)

Ref No: NPTEL24CS110575X000104

To verify the certificate

No. of credits recommended: 3 or 4



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)



This certificate is awarded to
AADESH SHENDE
for successfully completing the course
Introduction to Internet of Things
with a consolidated score of **91 %**
Online Assignments 24.78/25 Proctored Exam 66/75
Total number of candidates certified in this course: 33131



Prof. Rajmurti Banerji
Coordinator, NPTEL
IIT Kharagpur



swayam

Jul-Oct 2024
(12 week course)

Ref No: NPTEL24CS1105800000357

To verify the certificate

No. of credits recommended: 3 or 4



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)



This certificate is awarded to
SHEETAL BORHADE
for successfully completing the course
Big Data Computing
with a consolidated score of **75 %**
Online Assignments 23.75/25 Proctored Exam 50.75/75
Total number of candidates certified in this course: 5564



Prof. B. V. Ramesh Kumar
Coordinator, NPTEL
IIT Kharagpur



swayam

Aug-Oct 2024
(8 week course)

Ref No: NPTEL24CS110575X000104

To verify the certificate

No. of credits recommended: 2 or 3



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)



This certificate is awarded to
ARCHANA AVINASH DONGARDIVE
for successfully completing the course
Python for Data Science
with a consolidated score of **70 %**
Online Assignments 23.33/25 Proctored Exam 46.75/75
Total number of candidates certified in this course: 11133



Prof. Anand Thangaraj
Coordinator, NPTEL
IIT Madras



swayam

Jul-Aug 2024
(4 week course)

Ref No: NPTEL24CS0885244800766

To verify the certificate

No. of credits recommended: 1 or 2

Copyright Details

- 9 UG Project Groups Applied for Copyright
- 12 Copyrights are registered

28 ITS Magazine
Term I (June – Dec 2024-25)

ITS Magazine
Term I (June – Dec 2024-25) 29

Students Achievements



Selected for Final round of SIH Hackthon 2024 National Institute of Technology Karnataka (NITK), Surathkal



Ideathon 2024 Organized by ICT Academy under Collaboration of Capgemini and Barclays Bank



1st Winner in National Level Tietoevry Hackathon at COEP, Pune



1st Winner in National Level 19th AISSMS Hackathon, Pune



3rd Winner in National Level VCET Hackthon, Palghar.





E-Cell IIT Bombay
E-Cell Office, Student Activity Center,
IIT Bombay, Powai
Mumbai - 400076

July 16

Ref: Campus Ambassador Post

Dear Sujal

With reference to your application for **Campus Ambassador Program** presented by **Physics Wallah** at **E-Cell, IITB** and the subsequent decision we made based on your application, we are glad to extend to you a position in our organization.

You will be designated for the "**Campus Ambassador**" position for the Entrepreneurship Cell, IIT Bombay. The internship will take place in work from home mode, and you will report online to E-Cell IIT Bombay's office in Mumbai.

You will be provided various incentives like financial literacy courses, coding courses, internship opportunities and goodies based on your performance during the internship.

We are confident and expect that you will play a significant role in the organization's overall success and wish you an enjoyable, learning-packed, and truly meaningful internship experience with E-Cell IIT Bombay.

Amey Patil
Overall Coordinator
E-Cell IIT Bombay

Rashmi Khetan
Overall Coordinator
E-Cell IIT Bombay



E-Cell IIT Bombay
E-Cell Office, Student Activity Center,
IIT Bombay, Powai
Mumbai - 400076

July 16

Ref: Campus Ambassador Post

Dear Sujal Wadkar

With reference to your application for **Campus Ambassador Program** presented by **Physics Wallah** at **E-Cell, IITB** and the subsequent decision we made based on your application, we are glad to extend to you a position in our organization.

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Amey Patil
Overall Coordinator
E-Cell IIT Bombay

Rashmi Khetan
Overall Coordinator
E-Cell IIT Bombay

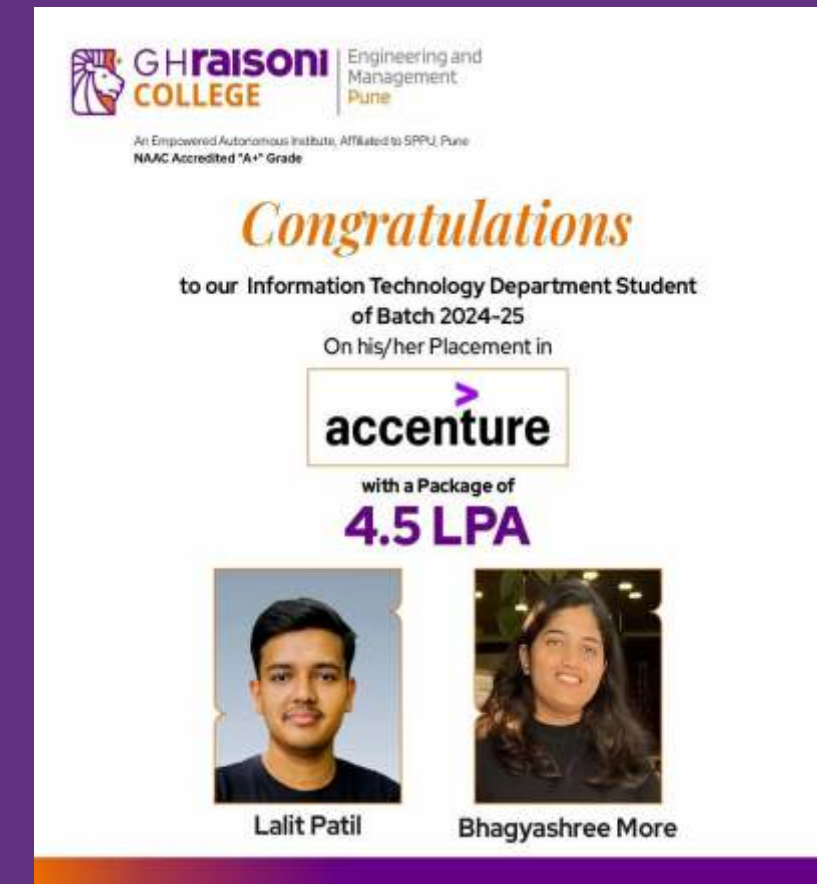


Offer Letter from IIT Bombay for Campus Ambassador Post



Inter-Zonal Swimming Competition

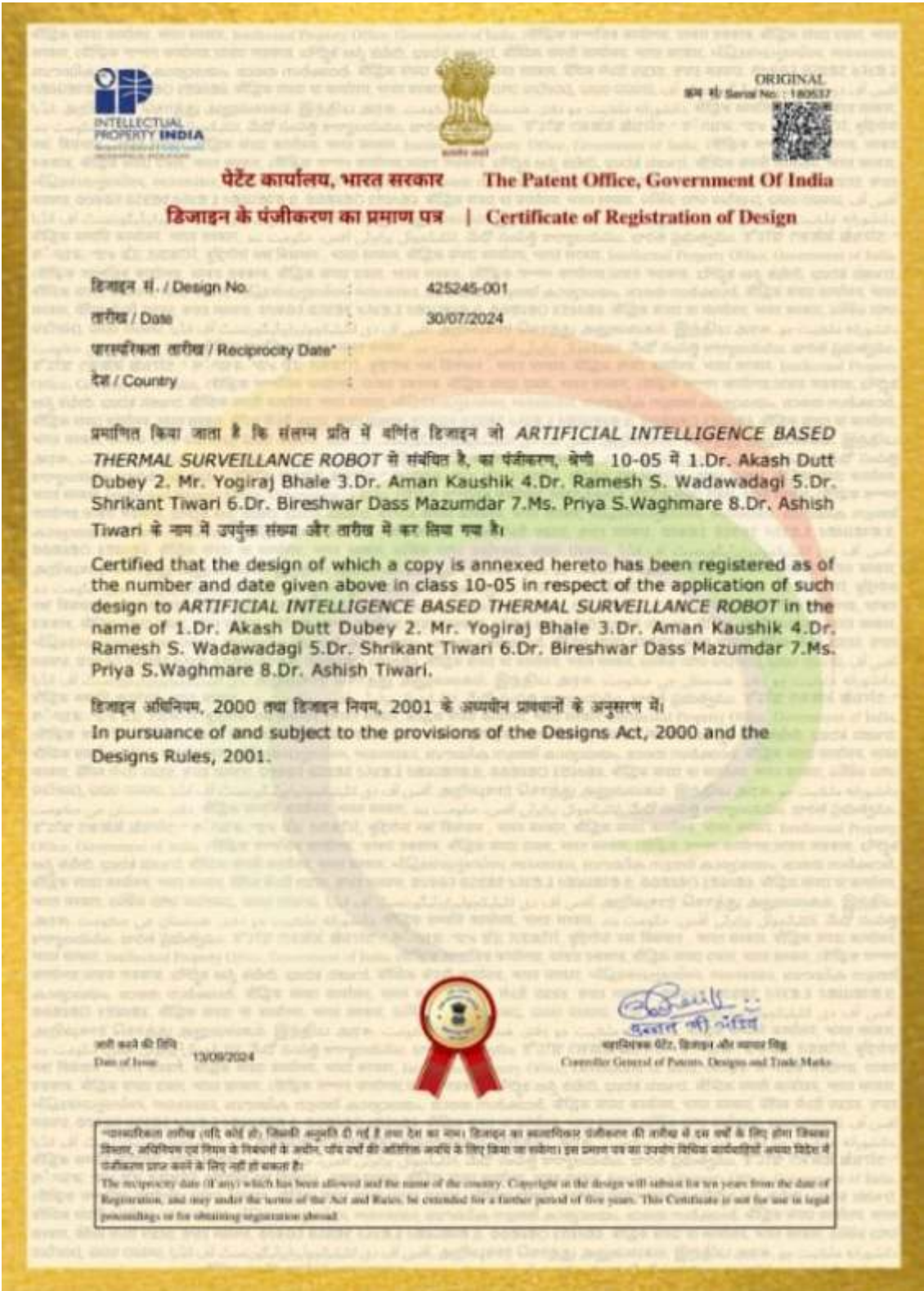
Placement Details



FDP/ STTP Attended by Faculty



Patent Granted and Published



Mrs. Priya Waghmare (Ujawe), Asst. Prof. has Patent granted & Published on title “Artificial Intelligence Based Thermal Surveillance Ro bot”

Faculty Achievements



राष्ट्रीय प्रौद्योगिकी संस्थान, उत्तराखण्ड
NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND



2nd International Conference on Power Engineering and Intelligent System
(PEIS 2024)

Certificate of Appreciation

We appreciate the support and cooperation of **Dr. Poonam Gupta** for chairing the session titled **TS 17: Intelligent Sysrms and Machine Learning** in the 2nd International Conference on Power Engineering and Intelligent Systems (PEIS2024) held at National Institute of Technology Uttarakhand, India during 16-17 March 2024.



Prof. Vivek Shrivastava
(General Chair)



Prof. Lalit K Awasthi
Patron & Director

Technically Sponsored by
Soft Computing Research Society
<https://www.scrs.in/conference/peis2024>



IEEE COMPUTER SOCIETY
Pune Chapter



IEEE
Pune Section



IEEE BLOCKCHAIN

IEEE ICBDs 2024
3rd International Conference on
Blockchain and Distributed Systems Security 2024
October 17th - 19th, 2024

CERTIFICATE

We appreciate the contribution of
Mrs. Priya Waghmare (Ujawe)
Serving as
Reviewer
in the 3rd IEEE International Conference on Blockchain and Distributed Systems Security 2024,
held on October 17th -19th, 2024.
Jointly Organized by BRAC's Vishwakarma Institute of Information Technology, Pune,
IEEE Computer Society Pune Chapter and IEEE Pune Section, Maharashtra, India.



Dr. Parikshit N. Mahalle
General Co-Chair,
IEEE ICBDs 2024



Dr. Vivek Deshpande
General Chair,
IEEE ICBDs 2024



Dr. Rajesh Ingle
General Chair,
IEEE ICBDs 2024