

Annual Report 2023-2024
D Y Patil International University (DYPIU)

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Hon. Dr. Sanjay D. Patil
Chancellor

Chancellor's Message

THE D Y Patil International University, Akurdi's forays into education extend back to over two decades and today stand as benchmarks for others who aspire to emulate.

Each campus is a landmark in itself, having a culture of commitment, transparency and teamwork. The University is committed to provide students with abundant and diverse opportunities to explore and express themselves not only in education but also in sports, arts and culture.

I believe nurturing the potential of the students; giving them exposure to the latest developments enables them to become competent and quality conscious engineers. The world class infrastructure and environment in the college reflects the meticulous care taken in maintaining high academicians and ultra-modern laboratories.

DYPIU is committed to provide students with abundant and diverse opportunities to explore and express themselves not only in education but also in sports, arts and culture.



Prof. Prabhat Ranjan

Vice Chancellor
(Former ED, TIFAC)

Prof. Ranjan has worked on Chandrayaan-II mission, wildlife, agriculture, and brain-computer interface (BCI). He has brought smiles to the faces of many persons with severe disabilities. He has been nominated by BIS to represent India in the BCI standardization process at International Standards Organization.

Vice Chancellor

PROF Ranjan has been educated in Gurukul Style Netarhat School, IIT Kharagpur, Delhi University. He obtained his Ph.D. from the University of California, Berkeley based on his research carried out at Lawrence Berkeley Lab on Nuclear Fusion in 1986. He worked for nearly 20 years making important contributions to Nuclear Fusion research as a scientist in India and USA. Recently he is leading Project Sanlayan as a chief mentor, which is a private initiative funded by Silicon Valley investors to develop nuclear fusion technology for Energy, Health, and Space applications.

Prof Ranjan is a Nuclear Fusion Scientist, a Futurist, an Educator, an Innovator, an Entrepreneur and a Science Communicator. From 2013-18, he was heading India's Technology Think Tank, TIFAC (Technology Information, Forecasting and Assessment Council, an Autonomous body of DST, GoI) in Delhi as its Executive Director. TIFAC developed Technology Vision 2035 during his tenure, which was released by Hon'ble PM in Jan 2016. PMO directed all Dept/Ministries to follow this document and take the agenda forward under the leadership of NITI Aayog.

He also worked on Chandrayaan-II mission, wildlife, agriculture, and brain-computer interface (BCI). He has brought smiles to the faces of many persons with severe disabilities by innovative assistive technology for more than a decade. He has been nominated by BIS to represent India in the BCI standardization process at International Standards Organization.

At DYPIU, he has created a flexible and futuristic multitrack B Tech (Comp Sci and Engg) program that has impacted the Computer Science and Engineering curriculum across the country. He is also Chairing the National Steering Committee of AICTE IDEA Lab scheme to spread the digital fabrication movement across the country.

D. Y. Patil International University, Pune (Maharashtra)

D. Y. Patil International University, Akurdi, Pune (DYPIU) is a State Private University with a futuristic vision. The university was established with a vision of becoming a global leader of education heralded by future thinking, technology enabled innovation and transformation, education and research thought leadership with an all-inclusive reach.

The university aims to achieve this by developing futuristic curriculums, modern infrastructure, engaging in a pragmatic learning pedagogy, designing socially relevant and outcome-based programs which will contribute in creating a better human life experience.

Important Pointers:

- Thrust on Interdisciplinary Research
- Facilitating International Knowledge exchange
- Inspirational and Experiential Learning environment
- Inciting curiosity and problem solving approach
- Design Thinking
- Creating an entrepreneurial spirit

About D Y Patil Group

The group strongly believes that leadership positions drive growth. Leadership positions serve customers better, attract partners and intellectual capital, and lead to large savings that benefits all stakeholders.

Philanthropy

D Y Patil Group has a legacy in the field of education. This spirit has empowered us greatly in our process of ENSURING A BETTER TOMORROW. Our group's core strength is all our stakeholders. The group has always placed people's welfare before commercial profits in every activity it carries out. We always believe in imparting new skill sets & support ready for challenges & confident to lead with socialism & humanism for the welfare of the society.

Excellence through Education

From decades ago group has been admired & appreciated as a front runner in the education scenario. D Y Patil Group has become a name synonymous with quality education. The group strongly believes that world-class education is the stepping-stone to progress. With a long-standing commitment towards quality teaching and learning, the group has nurtured values that go into the making of successful careers. Reiterating excellence in every venture explored, the group stands tall with its undeterred commitment to deliver better. Equipped with state-of-the-art infrastructure, the group has a chain of over 100 educational institutions that encourage individuals to think, question, explore and apply their well-honed minds to scale newer heights of success. The

group believes in imparting education that'll build world's best citizens of tomorrow. Therefore, it hasn't ventured into common streams like science, commerce and arts.

In fact, it has gone much beyond that, by venturing into areas like technology, architecture, legal studies, sports academy, management, health care, agriculture & catering schools, etc.

Vision

To create a vibrant learning environment-fostering innovation and creativity, experiential learning, which is inspired by research and focuses on regionally, nationally and globally relevant areas.

Mission

- To provide a diverse, vibrant and inspirational learning environment.
- To establish the university as a leading experiential learning and research oriented center.
- To become a responsive university serving the needs of industry and society.
- To embed internationalization, employability and value thinking.

Objectives

- To provide pedagogies that facilitate capacity building, interdisciplinary studies and research initiatives for the students
- To establish collaborations with Industry and Academia partners on the global front
- To nurture holistic, socially responsible and continuously employable professionals
- To provide lab in bag, center for Space Technology etc. as contemporary learning platforms.

Executive Summary

D Y Patil International University (DYPIU), Pune

D Y Patil International University (DYPIU), located in Pune, is a progressive private university renowned for its academic excellence, state-of-the-art infrastructure, and industry-oriented curriculum. Established under the aegis of the reputed D Y Patil Group, the university is committed to nurturing future-ready professionals with a global perspective. DYPIU was set up as a State Private university.

Curriculum

DYPIU offers a wide range of undergraduate, postgraduate, and doctoral programs, designed to cater to emerging global demands across multiple disciplines. The curriculum emphasizes innovation, creativity, and practical application, ensuring that students are equipped with contemporary skills and knowledge. Key features of the curriculum include:

- 1. Industry-Centric Approach:** Programs are co-designed with industry experts to bridge the gap between academia and industry.
- 2. Interdisciplinary Education:** Flexible programs allow students to explore diverse fields and pursue interests beyond their primary discipline.
- 3. Experiential Learning:** Focus on project-based learning, internships, and case studies enhances practical exposure.
- 4. Global Collaborations:** The university partners with international institutions to offer dual degrees, student exchange programs, and global internships.
- 5. Technology-Driven Learning:** Use of modern pedagogical tools like AI, VR, and simulation labs to facilitate engaging and efficient learning experiences.

Infrastructure

The sprawling campus at Akurdi offers a vibrant and

conducive environment for holistic development. Its modern facilities are designed to meet the highest educational and professional standards. Key highlights include:

- 1. Academic Blocks:** Equipped with smart classrooms, well-stocked libraries, and advanced research labs for cutting-edge innovation.
- 2. Centers of Excellence:** Specialized hubs for AI, IoT, robotics, and data sciences to promote research and innovation.
- 3. Technology Integration:** High-speed internet, digital libraries, and access to e-learning platforms support seamless education.
- 4. Recreational Facilities:** Modern sports complexes, fitness centers, and cultural spaces ensure balanced development.
- 5. Sustainability Initiatives:** Eco-friendly infrastructure, including solar power installations and waste management systems, reflects the university's commitment to sustainability.

DYPIU's curriculum and infrastructure together create a holistic educational environment that fosters academic rigor, skill development, and personal growth. The university stands out as a beacon of quality education in Pune, empowering students to excel in their careers and contribute to society.

Schools & Programs @ D Y Patil International University

School	Program	Intake	Tuition Fee
School of Computer Science, Engineering and Applications	B. Tech. (CSE)	480	2,25,000
	BCA	120	1,50,000
	MCA	60	1,20,000
School of Commerce and Management	BBA	120	1,50,000
	MBA (Digital Business)	60	2,00,000
School of Media and Journalism	BA (Journalism and Mass Communication)	60	1,20,000
School of Design	B. Design	60	2,30,000
School of Biosciences and Bioengineering	B. Tech (Bioengineering)	120	2,10,000
	B. Tech (Medical Biotechnology)	30	1,30,000
School of Interdisciplinary Studies and Research	Ph.D.	21	1,50,000
School of Applied Arts and Craft	BFA	60	1,50,000

Students Count for AY 2023-24 (First Year)

School	Program	Total Enrolled Students	SC	ST	OBC	EWS	General	Other States
School of Computer Science, Engineering and Applications	B. Tech. (CSE)	503	4	0	94	34	371	91
School of Commerce and Management	BCA	128	1	0	10	9	107	15
	MCA	75	1	0	4	1	67	22
	BBA	129	4	0	3	4	118	31
	MBA(Digital Business)	56	1	0	0	4	51	4
School of Media and Journalism	BA JMC	31	0	0	2	0	29	6
School of Design	B. Design	43	1	0	5	1	37	6
School of Biosciences and Bioengineering	B. Tech (Bioengineering)	119	0	0	25	3	91	17
	M.Sc. (Medical Biotechnology)	9	0	0	1	0	8	3
School of Interdisciplinary Studies and Research	Ph.D.	21	1	0	0	0	20	3
School of Applied Arts & Craft	BFA	21	1	0	0	0	20	3
School of Engineering	M. Tech (EV)	56	0	0	0	0	56	3

Faculty Quality

D Y Patil International University (DYPIU), Akurdi, is renowned for its commitment to academic excellence and innovation in education. A key factor driving this success is the quality of its faculty, who are central to creating an enriching learning experience for students.

Highly Qualified and Experienced Faculty

The university boasts a diverse team of educators with a strong academic background. Faculty members hold advanced degrees from prestigious institutions in India and abroad, including PhDs and postgraduate qualifications in their respective fields. Many bring with them years of industry experience, bridging the gap between theoretical knowledge and practical application.

Research and Innovation Focus

DYPIU encourages its faculty to engage in research and innovation. Professors actively contribute to their fields by publishing in reputed journals,

presenting at conferences, and undertaking funded research projects. This focus on research not only enhances their expertise but also fosters a culture of inquiry among students.

Industry-Academia Collaboration

Many faculty members at DYPIU have professional affiliations with industry leaders, ensuring that the curriculum is aligned with current market demands. Guest lectures, workshops, and mentorship programs further enhance the learning process, allowing students to gain insights into real-world applications and emerging trends.

Student-Centric Teaching Approach

The teaching methodologies at DYPIU emphasize a student-first approach. Faculty members employ interactive and experiential learning techniques, including case studies, group projects, and technology-enhanced teaching tools. Regular feedback mechanisms ensure that the faculty adapts to students' learning needs, creating a supportive academic environment.

Commitment to Professional Development

DYPIU invests in the continuous development of its faculty through regular training programs, seminars, and certifications. This commitment ensures that educators stay updated with the latest pedagogical practices and technological advancements.

Mentorship and Guidance

Faculty members at DYPIU take on the role of mentors, guiding students beyond academics. From career advice to personal development, the faculty plays a significant role in shaping students into well-rounded individuals ready to excel in their chosen fields.

Global Outlook

The faculty at DYPIU reflects the university's emphasis on global education standards. Many members have international exposure, which helps them introduce global perspectives into the classroom, preparing students for a competitive global workforce.

Conclusion

The faculty at DY Patil International University, Akurdi, is a cornerstone of its academic excellence. Their dedication, expertise, and innovative teaching approaches make the university a premier destination for students seeking a well-rounded and future-ready education. With a strong focus on research, industry connections, and holistic development, the faculty continues to inspire and empower students to achieve their full potential.

Learning Resource Plaza (Central Library)

Hybrid Collection of Resources includes Physical books and E-resources

- "J-Gate complete": 55K peer reviewed e-journals, 10K e-books, 12K e-proceedings, 120K E-Thesis
- "EBSCO Academic Collection" - 2.35 Lac full text Multi-disciplinary e-books
- "Magzter" – 7500 e-magazines & Newspapers
- "National Digital Library of India" -10 crore+ e-resources
- "Kindle Unlimited" – E-Book Readers made available for the users
- "DELNET Digital Library" – 1.6 Crore + e-resources
- Library automated with "Koha Integrated Library Management System"
- "Original" Plagiarism Detection Software is available

- Current Awareness Service
- Thesis of the Month
- Must Read of the Month
- Borrow Kindle & 3D Printers
- Scanning & Printing Facility
- Digital Library set up
- Conduct periodic Library Orientations & resources Training

Awards won by the University

In the academic year 2023-2024, D Y Patil International University (DYPIU) in Pune achieved several awards and recognitions for its contributions to education, innovation, and research:

1. "Most Impactful International University of the Year 2023" - This title reflects the university's commitment to fostering global academic standards and an impactful learning environment.

2. Research and Academic Achievements:

- Faculty and students at DYPIU published extensively in Scopus-indexed and SCI-indexed journals, underscoring their focus on cutting-edge research
- Students excelled in competitions, including securing the first prize in a state-level research paper competition.
- Ms Surabhi Gulwelkar, Faculty, School of Applied Arts, DYPIU received the prestigious "Yuva Kuncha Kalashri National Award" from D. V. Halbhavi National Trust, Karnataka.

3. Student and Alumni Achievements:

- A student from the Bachelor of Arts in Journalism and Mass Communication program was recognized for anchoring a leading news portal, reflecting the practical skills imparted by the university
- Another student won first place in an international cultural Olympiad, showcasing talent beyond academics.
- Viren Vaatts Jay got recognised under NextGen Innovators Under 21 at the esteemed NASSCOM Future Forge2023 flagship summit.

4. Rankings and Educational Excellence:

- The university maintained its position as a top private engineering and innovation-driven institution in Pune, praised for its infrastructure, curriculum, and teaching quality.

5. Certifications and Faculty Honors:

- Faculty members were honored with prestigious certifications, such as the NPTEL Star Certification, and editorial recognitions in niche

fields like chemical and nanotechnology.

- These accomplishments underscore DYPIU's dedication to academic excellence, innovation, and holistic development. For more details, you can visit our official website.

Current Major Research Projects at DYPIU

Research Projects with Global Impact

1. MoU with Albot Technology Pvt Ltd, Pune
 - Project Sanlayan – Nuclear Fusion – Chief Mentor – Prof Prabhat Ranjan
 - Project Sushrusha – Chronic Health - Microbiome Lab
 - Many others in pipe line
2. Project Mastishka – Brain Computer Interface for education, health and, disability – Indian Federation of NeuroNeurorehabilitationR) helping with medical cases
3. Govt of India supported a Rs 30 Lakhs consultancy for critical national security

Brief Description:

Project Sanlayan - संलयन

- First private initiative of this kind in India
- Develop Nuclear Fusion technology in India at 1/15th to 1/20th of the cost needed for similar developments in western countries
 - Long term goal - clean energy solution
 - Medical Isotope
 - Fissile Fuel
 - Nuclear Waste Processing

Sushrusha (सुश्रुषा)

- Combine Modern Medical Science with Ancient Traditional Knowledge to solve chronic health

problems

- Sponsored lab with Albot Company employee and DYPIU faculty work together
- Group of Medical and non-medical people interested in Integrated Healthcare from India and outside are participating

Research project – Under discussion

Project Prithvi – Geoengineering to combat global warming – Georgia Tech Scientists, IIT Madras.

Project Kisan Bandhu – Using remote sensing to help farmers in India, USA and Mexico – Hawaiian Scientist, USA

Asteroid Mining – ISRO Scientists in touch

Mind Travel Technology, Silicon Valley – Metaverse Camera Development

Academic Programs

School of Computer Science and Engineering:

- **Programs Offered:** B. Tech (CSE), BCA, MCA
- **Specializations:** Artificial Intelligence, Data Science, IoT, Cybersecurity, Cloud Computing, and more.
- **Highlights:** Industry-driven curriculum, modern labs, and strong industry collaborations.

School of Commerce and Management:

- **Programs Offered:** BBA, MBA (Digital Business)
- **Focus:** Entrepreneurial skills, managerial excellence, and global business strategies.

School of Media and Journalism:

- **Program Offered:** BA (Journalism and Mass Communication)
- **Unique Offering:** Practical exposure through media internships, projects, and industry mentorship.

Other Schools:

- Biosciences and Bioengineering, Applied Arts and Crafts, Interdisciplinary Studies, and more.

School of Computer Science, Engineering and Applications (SCSEA)

Introduction – Overview Of The School

The School of Computer Science, Engineering, and Applications (SCSEA), school code -08, offers a diverse range of programs designed to meet the evolving demands of the tech industry. With a focus on cutting edge courses, the school provides a comprehensive curriculum that includes Computer Science Engineering, Bachelor of Computer Applications (BCA), and Master of Computer Applications (MCA). These programs are structured to equip students with the latest knowledge and skills, ensuring they are well-prepared for the challenges of the modern technological landscape. The multi-tracked programs allow students to specialize in various areas of interest, providing a robust foundation for both academic and professional success. Through innovative teaching methods and state-of-the-art resources, the school fosters a dynamic learning environment that encourages creativity, critical thinking, and practical application.

Name of Faculty	Profile
Dr. Bahubali Shiragapur Associate Professor and Director of Computer Science, Engineering & Applications	Ph.D in electrical and electronics, Having 20 years of teaching experience, expertise into Signal Processing Communication, Artificial Intelligence & machine learning IOT. 31 publications, 2-patents.
Dr. Maheshwari S. Biradar Assistant Professor	M.Tech.(Digital Electronics), PhD Electrical and Electronics Engineering. Have 25 years of teaching experience. Paper publication: International journal 20, International conference 11. (SCOPUS, Springer)
Dr. Kapil Kumar Sharma (Associate Professor)	Ph. D in Quantum Computing from NIT Allahabad. Post-Doc IIT Bombay (3 years). Senior Research Scientist, JINR, Russian Federation (1 year); 11 years Research/Industry experience/Teaching. 14 SCI publications. Editorial board member of Frontiers in Artificial Intelligence.
Dr.Vaishnav Gorakhnath Kale, Associate Professor	PhD in Electronics Engineering, having 20 years of teaching experience, Expertise in subjects like Signals and System, DSP, Information Theory and coding Technique, AI, ML, DL, DNN. Have 06 Scopus publication and 06 conference, 03 patents
Dr. Meena N. Pandey (Assistant Professor)	PhD in Botany with specialization in Plant Biotechnology (Govind Ballabh Pant 'National Institute of Himalayan Environment'(NIHE), 18 years research experience and 4 years teaching experience;19 publications and 1book published
Dr. Anju Chaurasia (Assistant Professor)	PhD in Maths from BIT, Mesra with 12 years teaching experience and 5 journal publications, 1 book chapter & 2 Conference Proceedings
Dr. Rishikant Rajdeepak (Assistant Professor)	Ph.D., DAIICT, Gandhinagar. Integrated_ MSc in Maths, NISER, Bhubaneswar.
Dr. Sarika Kadam- Jadhav (Assistant Professor)	Ph. D (CS), BIHER, Chennai, Tamilnadu, MSc (Savitribai Phule Pune University, Pune. Teaching Experience 17 years, Books authored 11, 3 publications in Scopus Indexed Journals, 4 International Conferences, 3 National Conferences, 8 peer-reviewed,1 Germany Utility Patent.
Mrs. Maya Ranjeet Pisal. (Lecturer)	Masters in computer science. Teaching Experience 8.5 years.

Mrs. Hetal Thaker (Lecturer)	Pursuing PhD (Computer Science) MCA (Computer Science), Sardar Patel University, Gujarat, PGDCA, Sardar Patel University, Gujarat B.Sc (Computer Science), Sardar Patel University, Gujarat 14 years of teaching experience at various universities Permanent approval as an Assistant Professor of Savitribai Phule Pune University
Dr. Gaurav Kumar Singh (Assistant Professor)	Ph.D. in Engineering Sciences, 8 years' experience in designing and commissioning of cryogenics and superconductivity experiments resulted in 6+ publications in peer reviewed journals and conferences.
Mr. Suprabhat Sinha (Lecturer)	M.Sc. in Electronics, 3 SCI Publications
Swet Chandan (Assistant Professor)	MTech IISc, MS Stony Brook,
Samarjit Roy, Assistant Professor	PhD (Thesis submitted) in CSE from MAKAUT, West Bengal, M. Tech (IT), B. Tech (IT), Teaching Experience: 04 Yrs, Research Experience (UGC JRF & SRF): 05 Years, SCI indexed Journals: 10 nos., Int Conferences/ Proc/Chap: 28 nos, Edited Volumes: 02 nos.
Shah Chandresh B (Innovation Officer)	B tech in Automobile Engineering with 6 years of experience in Nuclear fusion, additive manufacturing
Dr.Ashvini Shende(Assistant Professor)	Ph.D , Software Engineering, Project Management, 18 years of Teaching Experience,24 Research Paper published , 3 Copyrights
Mrs. Sandhya Santosh Jawale	MCA, Msc (Information Technology),10+ year of teaching experience in education as assistant Professor.3 research paper published 1. Block chain Technology in fintech 2. AI n Online Education and Paperless world.
Dr. Somya Dubey(Assistant Professor)	Ph.D. (Computer Science), 7 Years of experience in Teaching. Total publications: 3 (SCOPUS & SCI),11 papers in International & National conferences Area of Interest: Machine Learning ,Security, Software engineering, AR/VR
Mrs Asha S.Ayakar (Lecturer B.Tech CSEA)	M.E(Digital Systems),B.E(Electronics) Savitribai Phule Pune University, Pune 7 years of Teaching Experience Paper presented at IRD India
Dr. Swapnil S Bhurat, Associate Professor	Ph. D in Mechanical Engineering 13 years of research experience in Academics and 1 year in Industry. 29 publications; 3 book chapters and presentations in Conferences/seminars etc. Interested in Application of Hydrogen and Automotive domain research
Mrs Vaishali (Lecturer)	Ph.D Pursuing in CSE (course Work)M.Tech (Gold Medallist) in Computer Science & Engg., Total 4+ years of experience, Total of 3 publications (1 Scopus, 1 conference,1 Journal)
Mrs.Dipali P. Dhokane(Lecturer, SCSEA)	MCA(Master of computer Application),B.Sc.(Computer Sci.) Teaching experience 9+ years, Recognized as approved post graduate teacher by University of Pune, 3+ years in Industry as a Business Analyst
Dr. Sudhir Kumar	Ph. D (Thapar Institute of Engineering and Technology, MTech Production Engineering (GNDEC, Ludhiana), B. Tech Mechanical Engineering (LCET, PTU).
Assistant Professor	Research Area: Additive Manufacturing, 3D printing, Material Characterization, Polymer processing, Statistical control, Design Optimization, Process optimization. 52 publications; 22SCI, 12 SCOPUS and 18 book chapters Achievement as Inventor: (Design registration: 22 (Published) and process patents: 3 Filed)
Dr. Sanjay Badhe, Asst.Professor,	Ph.D. in E & Tc from SPPU, Pune. Total Experience 23 years. International Publications - 25. Patents - 12.

Dr. Rahul Sharma, Professor	PhD in CSE, Total Experience (Industrial, Teaching & Administration, Research - 21 Years), Area of Research-Cloud Computing, Big Data, Data Science, Quantum Computing, Blockchain Technology, Research Project- MPCST (IIITDM), Software Industrial/ Consulting Project- 40, Demonstrated experience in Digital transformation, Professional English Communication with Career Counseling, Technical Training, Technical Research (Author, Editor & Reviewer)
Mrs. Shobhana Patil, Lecturer	M.Sc.(Computer Science) Teaching Experience:13.4 Years, Area of Specialization: Computer Science, Area of Interest: Data Science/Artificial Intelligence Research Papers Published:11, Faculty Development Program attended:41, Training Program attended:5, Workshops attended:18 Seminars & Webinars attended:4+18=22
Mrs. Ashwini Pawar, Lecturer,	M.Sc.(Computer Science) Teaching Experience:9 Years, Area of Specialization: Computer Science, Area of Interest: Data Science/Artificial Intelligence Research Papers Published:9, Faculty Development Program attended: 12
Mr. Swapnil D. Waghmare, Asst.Professor	Ph.D. (CS and IT), M. Phil (CS), MCA (Engg and Technology). Data bricks Certified Associate Developer for Apache Spark. Experience:(Industry (2), Teaching (1.7), Research (5) total 8.7 Years). Research and Teaching Area of interest: Speech Processing for Speech Disorder/Impairment people, Python, R, SQL, AWS and Azure Develops, Data Engineering, HADOOP Technology, strong proficiency in data domain and Public cloud solutions like AZURE, AWS, developing and delivering valuable insights to stakeholders. Several International, Scopus, Elsevier, IEEE Publication. Author and Reviewer of conferences and journals. Visiting Faculty at CDAC-Bytes Delhi Centre
Dr. Anuj Kumar, Professor	Ph. D (Major- Mathematics, Minor-ECE, G.B. Pant University of Ag. & Tech., Pantnagar), M.Sc (Major- Mathematics, Minor-CS), 15+ years of post Ph.D teaching, research and academic administrative experience in premier organizations; Research Area: Metaheuristics, MCDM, Reliability, Wavelets; Research achievements: 75+ research publications including 35 SCI/Scopus publications, 4 books, 5 published patents, Associate Editor/Reviewer of various reputed SCI/Scopus journals
Dr.Pragati Choudhari, Assistant Professor	Qualification: PhD(CSE), ME(CE), BE(IT) , Experience: 12 years(Industry + Teaching), Area of research: Deep learning, Area of interest: Data Mining, Big Data, Data Science, Deep learning, Publication: journal-7 conference: 5 , Technical skills: C, C++ , Java, Python, Selenium, TestNG, MySQL,Azure DevOps
Dr.Shubhro Chakrabartty, Assistant Professor	PhD in Semiconductor devices (ECE), NIT Agartala and Post doctorate in Neuromorphic Computing, South Korea, Experience: 12 years with PhD
Dr.Jagadish S Jakati, Assistant Professor	Qualification: PhD(E&EE), ME(DC), BE(E&CE) , Experience: 12 years(Teaching & Research,Administration) Area of research: Speech Processing, Area of interest: Speech Enhancement, Data Science, Deep learning, Fuzzy Logic, Publication: Journal-16 Scopus/WoS publications conference: 01 ,Patents - 04, Technical skills: Matlab, MySQL,C,C++Author and Reviewer of conferences and journals.
Dr. Bansidhar Joshi, Assistant Professor	PhD (CSE) from JIIT, MTech (CS) from NIT Tiruchirappalli, BTech (Computer Engg.) from GBPUA&T, Pantnagar. More than 12.5 years of Academic and research experience in Computer Science and engineering domains. Qualified GATE. Research interests: On-Chip Networks, Computer Architecture, Distributed and Cloud Computing. Publications: 3 SCI, 14 Scopus, 1 UGC.

Dr. Vandna Srivastava	Ph.D.(Mathematics-Cosmology) from GLA University, Mathura, M.Sc. (Operations Research) 2000 from IBS khandari Agra (Gold Medalist), B.Sc. (Mathematics, Physics, Statistics) 1998 from Agra University, Agra. More Than 23 Experience in Research and teaching Engineering Mathematics I, II, III IV in Colleges affiliated of Aktu University Lucknow. 6 SCI Papers 1 UGC, 2 Best Paper award, 60 International/National Conferences, Workshops, STCs, Seminar etc, 3 NPTEL certificate, Reviewer of "Astrophysics and Space Science.
Assistant Professor	
Dr. Laxmi Priya Sahu, Assistant Professor	Ph.D. (Electronics and Communication Engineering) from National Institute of Technology Patna. Area of Interest: Automatic Speech Recognition, Automatic Speaker Recognition, Signal Processing, Machine Learning, and Deep Learning. No. of Publications: 2 SCI and 1 conference Reviewer: Biomedical Signal Processing and Control (Elsevier) and Journal of Electrical and Computer Engineering.
Dr. Rajendhar Puppala	Ph. D from School of Electrical Engineering, VIT Vellore (NIRF 12, QSW 800). M.Tech in Power Engineering and Energy Systems (JNTU, Hyderabad), Experience: 13 Years in Teaching, Industry and Research which includes VIT, Vellore and Ministry of Manpower, Sultanate of Oman. Publications: SCI and Scopus indexed in reputed IEEE, Elsevier, IET, Springer ,Nature and Frontiers Journals.
Assistant Professor	
Dr. Sidharth (Mathematics)	D.Sc., Teaching Subjects: Differential Geometry and Advanced mathematics for Engineers, Research areas of interest: Numerical Analysis, Differential Geometry, Financial and Applied Mathematics. Industry/Research/ Teaching Experience 3+ years.

Research Publications & Paper Presentations

Journal Publications

SNo.	Author Name	Research Title	Month & Year	Journal Name
1	Shubhro Chakrabartty	Dispersive Modelling of Normal and Cancerous Cervical Cell responses to Nanosecond Electric Fields in Reversible Electroporation using a Drift-Step Rectifier Diode Generator	Nov-23	Micro machines, MDPI
2	B. P. Joshi, Arvind Bhatt, Mehul Manu, Anuj Kumar, Sangeeta Pant, Pawan Joshi	Ambiguous Fuzzy Averaging Operator based decision-making approach with Application to Classification of Renewable Energy Sources.	Mar-24	IEEE Explore.
3	B. P. Joshi, Arvind Bhatt, Mehul Manu, Anuj Kumar, Sangeeta Pant, Shailendra Giri	Geometric Aggregation Operator for MCDM method based on AIFS information: Application to renewable-energy-source-selection problems.	Mar-24	IEEE Explore.
4	Rahul Sharma et al.	Smart Contract-Enabled Block chain Framework for Electronic Medical Health Records	2024	IEEE Explore.
5	Shshank Chaube, Sangeeta Pant, Anuj Kumar, Shaurya Uniyall, Manoj Kumar Singh, Ketan Kotecha, Akshay Kumar	An Overview of Multi-Criteria Decision Analysis and the Applications of AHP and TOPSIS Methods	Mar-24	International Journal of Mathematical, Engineering and Management Sciences
6	Shshank Chaube, Sangeeta Pant, B.P.Joshi, Anuj Kumar, Manoj Kumar Singh, Ketan Kotecha	Reliability-Redundancy Optimization of an Overspeed Protection System of a Gas Turbine by Modified Wild Horse Optimizer	Apr-24	IEEE Xplore.
7	Vivek Veeraiah, GK Ravikumar, Veera Talukdar	Fake News Detection using Natural Language Processing and TensorFlow in IoT System	Apr-24	International Journal of Intelligent Systems and Applications in Engineering
8	Shalini, A., Pankajam, A., Talukdar, V.	Lung Cancer Detection and Recognition using Deep Learning Mechanisms for Healthcare in IoT Environment.	Apr-24	International Journal of Intelligent Systems and Applications in Engineering
9	Bukka Shobharani, Veera Talukdar	Impact of Hybrid LSTM Based Deep Learning Model Over Blockchain Security and Performance Enhancement	Jan-24	International Journal of Quantum Information
10	Varsha S. Sambhaje; Anju Chaurasia	The HHL Algorithm: Implementation and Research Directions	May 2024	International Journal of Quantum Information
11	Rahul Sharma et al.	Real-time Health Monitoring of Patients in Emergencies Through Machine Learning And IoT Integrated With Edge Computing	May-24	IEEE Xplore
12	Sidhartha S., Karthiga, P., Sharvari, P., and Sandeep, K.,	A review on innovative nanomedicine approaches for targeting PD-1/PD-L1 in cancer, with patent, regulations, and clinical trial landscape	May-24	European Journal of Pharmaceutics and Biopharmaceutics
13	Anuj Kumar et al.	Modified wild horse optimizer based approach for solving constraint reliability redundancy optimization problems	Jun-24	Nonlinear Studies (NS)
14	Anuj Kumar et al.	Exploring the diverse applications of the analytic hierarchy process: A comprehensive review	Jun-24	Mathematics in Science, Engineering, and Aerospace (MESA)
15	Rahul Sharma et al.	A Novel Deep Learning Based Approach for Detecting and Localization of Pulmonary Cancer	2024	IEEE Xplore
16	Varsha S. Sambhaje; Anju Chaurasia	The HHL Algorithm: Implementation and Research Directions	2024	International Journal of Quantum Information

Journal Publications

17	Dr. Sarika Jadhav	Enhancing cyber security using Optical character recognition	2023	International Journal of Scientific Research and Engineering Development
18	Dr. Sarika Jadhav	Deep fake voice detection and extraction using deep learning	2023	JETIR
19	Dr. Sarika Jadhav	Explainable Artificial Intelligence, the Fourth Pillar of Zero Trust Security	2023	JETIR
20	Dr. Sarika Jadhav	AI Transformation in Business: Unveiling the Dual Effects of Advancement and Challenges	2023	International Journal of Scientific Research in Engineering and Management
21	Dr. Sarika Jadhav	Analysis Of Hand Written Text Recognition For All Laungages	2023	International Journal of Scientific Research and Engineering Development
22	Anuj Kumar et al.	A Review Based on Various Applications to Find a Consistent Pairwise Comparison Matrix	2024	Journal of Reliability and Statistical Studies
23	Anuj Kumar et al.	Parameter Estimation of a Solar Module by Wild Horse Optimizer	2024	: Lecture Notes in Networks and Systems, Springer
24	Dr. Sarika Jadhav	Analysis to Prevent Digital Piracy	2024	International Journal for Multidisciplinary Research
25	Dr.Jagadish S Jakati,et all	Deep Autoencoder based image enhancement approach with hybrid Feature Extraction for Plant Disease Detection using Supervised Classification	2024	International Journal of Electrical and Computer Engineering (IJECE)
26	Rahul Sharma	Digitalization a movement in human resource practices, issues & ethics,	Jul-23	Educator, multidisciplinary journal,
27	Rahul Sharma et al.	AI and Social Media: Analyzing the Impact on Democracy and Misinformation	Nov-23	International Journal for Science and Advance Research In Technology
28	Rahul Sharma et al.	Navigating Ethics of AI-Powered Creativity in Midjourney	May-24	IEEE Xplore
29	Pragati Choudhari et al.	Drug Discovery with Machine Learning: Target Identification using Random Forest	May-24	IEEE Xplore

Research Publications & Paper Presentations

Journal Publications

Author Name	Paper Title	Conference Name	Date
Dr. Shubhro Chakrabartty	Language: A Catalyst for Economic Ascendancy - The South Korean Success Story	"Transforming Business by Leveraging Telent, Innovation & Disruptive Technologies"	26th and 27th April, 2024
Dr. Sarika Jadhav	Enhancing Credit Card Fraud Detection using XGBoost: A Robust Machine Learning Approach	"Transforming Business by Leveraging Telent, Innovation & Disruptive Technologies"	26th and 27th April, 2024
Dr. Sarika Jadhav	Exploring Real-Time Facial Recognition for Attendance Management: A Systematic Review	"Transforming Business by Leveraging Telent, Innovation & Disruptive Technologies"	26th and 27th April, 2024
Dr. Somya Dubey	Empowering Speech-Impaired Individuals: A Hand Gesture to Text and Voice Conversion System	"Transforming Business by Leveraging Talent, Innovation & Disruptive Technologies"	26th and 27th April, 2024
Mrs. Hetal Thaker	Cognitive Impairment Diagnosis	"Transforming Business by Leveraging Talent, Innovation & Disruptive	26th and 27th April, 2024
	A Game Theoretic Approach of Cognitive Machine Learning		
Mrs. Hetal Thaker	The emerging role of Artificial Intelligence in Healthcare -	"Transforming Business by Leveraging Talent, Innovation & Disruptive	26th and 27th April, 2024
	A Future Perspective		
Dr.Shubhro Chakrabartty	The Low-RCS Drone: A Compact, Cost-Effective Covert Drone for Efficient Surveillance	ICCUBEA-2024	23rd to 24th August 2024
Dr.Shubhro Chakrabartty	Development of a TiO ₂ Nanoparticle Coating-Based Plasma Torch for Eco-Friendly Disposal of Municipal Solid Waste	International Conference, ICTAC 2024, Indian Institute of Technology Madras	02-07 September 2024
Dr.Shubhro Chakrabartty	Cane Vision: A Cutting-Edge Mobility Assistance System for the Visually Impaired	International Conference On Communication, Computing And Energy Efficiency Technologies (I3ceet)	20th & 21th September, 2024
Dr. Rahul Sharma	Navigating Ethics of AI-Powered Creativity in Midjourney	3rd International Conference for Innovation in Technology (INOCON 2024)	4th -6th March 2024

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Authors	Chapter Title	Book Name	pages	ISBN Number
H Singh, V Talukdar	PSO-Based Inspired Mechanisms Nature-for Robots during Smart Decision-Making for Industry 4.0	Robotics and Automation in Industry 4.0: Smart Industries and Intelligent Technologies	89-109	9.781E + 12
Veera Talukdar	Load Balancing Techniques in Cloud Computing	Emerging Trends in Cloud Computing Analytics, Scalability, and Service Models	105-134	ISBN13: 9798369309001 ISBN13 Softcover: 9798369346013 EISBN13: 9798369309018
Harinder Singh, Veera Talukdar, Huma Khan	PSO-Based Nature-Inspired Mechanisms for Robots during Smart Decision-Making for Industry 4.0	Robotics and Automation in Industry 4.0	89-109	9.781E + 12
Shubhro Chakrabartty et.al	Memristors: A Missing Element is a Boon Toward the Development of Neuromorphic Computing and AI	Machine Learning and Metaheuristics: Methods and Analysis	215-234	978-9819966448

Articles in Magazines

Name of Author	Title	Publisher	doi	Page No.	Link
Dr.Shubhro Chakrabartty	Exploring economy by language :My enlightening experience in South Korea	BIZZ BUZZ	09-03-2024		https://www.bizzbuzz.news/trendz/exploring-economy-by-language-my-enlightening-experience-in-south-korea-1297514?infinitescroll=1
Dr.Shubhro Chakrabartty	Semiconductor will boost job opportunities	EDUCATION TIMES	27-05-2024	6	https://timesascent.com/articles/semiconductor-industry-will-boost-job-opportunities/158717
Dr.Shubhro Chakrabartty	india's semiconductor revolution hearlds growth of education and industry	BIZZ BUZZ	28-06-2024		https://epaper.bizzbuzz.news/Home/ShareArticle?OrgId=27660dd4ebd&imageview=0

Patents

Inventors	Title	Type of patent	Link of certificate	Status
Dr. Maheshwari Biradar ,Dr. Sanjay Badhe ,Dr. Bahubali Shirgapur ,Mrs. Smita Pawar,Dr. Vaishnav G. Kale ,Dr. Rahul Sharma,	Efficiency enhancement of solar panel	Utility	https://search.ipindia.gov.in/IPOJournal/Journal/ViewJournal	Published
Dinesh Kumar, Swapnil S Bhurat, Gaurav Kumar Singh, Sudhir Kumar	Solar Water Heater Based Oven	Design	https://search.ipindia.gov.in/DesignApplicationStatus/	Published
Shubhro Chakrabartty, Atharva Abhijeet Chitale,Vandna Srivastava,Adveith Walke,Sachin Meena	Drone	Design	https://search.ipindia.gov.in/DesignApplicationStatus/	Filed
Shubhro Chakrabartty, Sanketvardhan Satyajeet Bhosle, Rushikesh Satyajeet Waghmode, Deepti Jayananath Iyer, Ruchit Ramesh Shetty	Smart Stick	Design	https://search.ipindia.gov.in/DesignApplicationStatus/	Filed
Dr.Jagadish S Jakati, Dr Basavprabhu S Halakarimath,Dr Ramesh Koti, Dr Sidramayya Matad, Sahana Bissalpur	An Adaptive Noise Reduction System for Enhanced Audio Signal Clarity	Algorithm	https://search.ipindia.gov.in/IPOJournal/Journal/ViewJournal	Published

Workshops Organized By School

Workshop Details	Class	Contact hours of course	Number of students enrolled in the year	Number of Students completing the course in the year	Contact hours of course
5 days' workshop on " Joy of Learning- C Programming" hands-on sessions	FYBtech	9/8/2023 to 14/8/2023	38	480	480
Workshop Series 2023-24					
ByteBoost: Accelerate Your Coding Skills -Web Wizardry: Mastering Front-End Development with Advanced Java	SYBCA, TYBCA, BTech	24/07/23 to 25/07/23	32	150	150
Workshop on Arduino					
Autospark Innovation workshop	SYBtech	26-08-2023	36	200	200
Workshop Series 2023-24					
ByteBoost: Accelerate Your Coding Skills Unlock Power of- C	SYBCA, TYBCA, BTech	26/07/23 to 28/07/23	34	120	120
6 Days AWS Cloud Practitioner Essential Boot camp	SYBCA, TYBCA, BTech	29/1/2024 to 3/2/2024	30	280	280
Service Now Training Program	TYBCA, FiYBTech	13/12/2023 to 23/12/2023	118	118	60

Workshops Organised

FOR MORE INFO

Register yourself
<http://url.it/jjgm>
mail.google.com/zip-gna-103903528
<http://url.it/jjgm>

ByteBoost : Accelerate Your Coding Skills
Episode 2 UNLOCK THE POWER OF C

ABOUT OUR Trainers:
 Day 1: 26th July 23: Ms. Hetal Takhur
 Day 2: 27th July 23: Ms. Shobhana Patil
 Day 3: 28th July 23: Ms. Ashwini Pawar

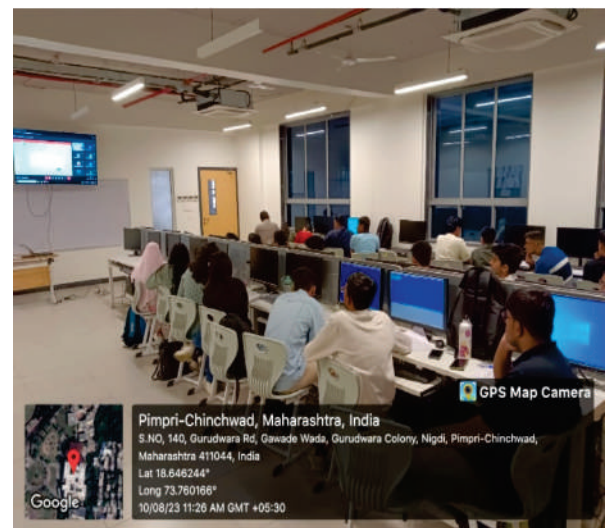
Key Highlights:
 Problem solving aspect, Overview of Algorithm, Basics and Structure of 'C' program, Control Structures, Functions, Concept of an array, its types, and Arrays with functions.

Objectives
 • To develop a strong foundation in computer programming concepts and principles.
 • To cater all skill levels, whether you are a beginner or have some prior programming experience.

Trainers:
 Dr. Maheshwari Bradar, PhD, BCA & MCA, SCSEA
 Dr. Sahabali Shiragapur, Director, SCSEA
 Prof. Prabhakar Ranjan, Vice-Chancellor, DYPIU
 Ms. Maya Prasad | Ms. Vanya Kargi |
 Ms. Dipali Dhokale, Volunteer Coordinators & Technical Support
 Dr. Sarika Jadhav, Event Coordinator

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Workshop Details



Participation of students in workshop



ServiceNow orientation program with trainees



ServiceNow MoU signing ceremony

Teacher / Student Achievements

Extra-curriculum And Sports Activities

Name of the awardee	Name of the award	Name of the awarding body	Category of award
Swet Chandan	Recognized as NPTEL BELIEVER JAN-APRIL 24	NPTEL	Innovation
Dr. Sarika Jadhav	Recognized as a subject expert to review the research papers received for the 2 days National Conference on Transforming Business by Leveraging Talent, Innovation, & Disruptive Technologies”2023-2034	School of Commerce and Management, D Y Patil International University, Akurdi, Pune	Innovation
Dr. Sarika Jadhav	Certified ServiceNow Authorized Partner and Trainer, with expertise in delivering the Scripting in ServiceNow Fundamentals course.	ServiceNow	Technology Transfer
Ms. Maya Pawar	Certified ServiceNow Authorized Partner and Trainer, with expertise in delivering the Application Development Fundamentals course.	ServiceNow	Technology Transfer
Ms. Vaishali Kumar	Certified ServiceNow Authorized Partner and Trainer, with expertise in delivering the Application Development Fundamentals course.	ServiceNow	Technology Transfer
Dr. Sarika Jadhav	Archived remarkable distribution of International book "The AI Revolution- Future Unveiled" across 11 countries	IMPYREAL Publications	Technology Transfer
Dr. Somya Dubey	Recognized as a subject expert to review the research papers received for the 2 days National Conference on Transforming Business by Leveraging Talent, Innovation, & Disruptive Technologies”2023-2034	School of Commerce and Management , D Y Patil International University, Akurdi, Pune	Innovation
Dr. Somya Dubey	Recognized as a reviewer in journal of the institution of Engineers(Series-B)	Journal of the institution of Engineers(Series-B)	Innovation
Pranil Choudhari	Certificate of recognition of the publication of the paper entitled Quantum Computing Challenges and Solutions Published In IJCRT (www.ijcrt.org) & 7.97 Impact Factor by Google Scholar Volume 11 Issue 12 December 2023 , Date of Publication: 06-December-2023, UGC Approved Journal No: 49023 (18)	International Journal of Creative Research Thoughts	Innovation

Teacher / Student Achievements

Extra-curriculum And Sports Activities

Rohan Pandit	Certificate of recognition of the publication of the paper entitled Quantum Computing Challenges and Solutions Published In IJCRT (www.ijcrt.org) & 7.97 Impact Factor by Google Scholar Volume 11 Issue 12 December 2023 , Date of Publication: 06-December-2023	International Journal of Creative Research Thoughts	Innovation
Ishwar KamalKishor Bunde	Excellence Award of Best Intern 24	IAC(Industry Academic Community) Excellence Award of Best Intern	Technology Transfer
Umar Momin	Received recognition from ServiceNow for becoming a certified Application Developer.	ServiceNow	Technology Transfer
Umar Momin	Received recognition from ServiceNow for becoming a certified System Administrator	ServiceNow	Technology Transfer
Meghna Soni	Received recognition from ServiceNow for becoming a certified Application Developer.	ServiceNow	Technology Transfer
Meghna Soni	Received recognition from ServiceNow for becoming a certified System Administrator	ServiceNow	Technology Transfer
Husein Lonkhandwala	Received recognition from ServiceNow for becoming a certified System Administrator	ServiceNow	Technology Transfer
Disha Sawant	Secured 3rd Rank for creating an Otto Robot in a Hackathon	D Y Patil International University, Akurdi, Pune	Innovation
Priyanshu Rai	Achieved national recognition in sports by securing the Second position	AIU National Football League	Innovation
S+B28:E31i a Jasbir Vashist	Achieved national recognition in the Co-curricular domain by securing a position in the top 5% in the NPTEL Cloud Computing course, as the certification is endorsed by esteemed institutions like IITs and IISc.	Elite, IITs and IISc	Technology Transfer
Tapan Sarker	Earned national recognition through the Hackathon category by securing the First position for creating the startup "Ghumneyho," dedicated to managing travel to mountains.	Govn. Of Nepal, Ministry of Industry, Commerce and Supplies	Innovation
Akram Aftab Khan	he received a Letter of Appreciation and invited to O.P. Jindal Global University (JGU), Sonipat, to deliver a Guest Lecture on the Intersection of Data Visualization and Introduction to R programming.	Jindal Global University (JGU), Sonipat	Technology Transfer

Teacher / Student Achievements

Extra-curriculum And Sports Activities

Aftab Khan	Honored with a Certificate of Achievement for his role in representing United Studies Abroad Consultants, Nagpur, on an international stage	United Studies Abroad Consultants, Nagpur	Technology Transfer
Akshita Nayak	Achieved national recognition by securing the Space Warrior Fellowship, leading collaborations brought forth fellowships and opportunities for the future of college students.	Under 25, a youth community in Bangalore, McAfee and Snapchat.	Technology Transfer
Ashutosh Lodhi	AS a research Intern Received recognition from ISRO and multiple acknowledgments from the Government of India for securing their multiple websites/web apps	ISRO	Technology Transfer
Virenn Vaatts Jay	received the Deep Tech 'Emerge 50' award	Nasscom Future Forge 2023	Innovation
Virenn Vaatts Jay	Honored with a "Young Innovator" Award	Nasscom	Innovation
Virenn Vaatts Jay	received a full scholarship for Udacity's Nanodegree in AI Programming with Python.	Udacity	Innovation
Atharva Takalkar	1st prize in Paper Presentation at the 7th Student's Conference on Computer Science and Applications	Indira College of Commerce and Science, Pune	Innovation
Sumit Bakane	Won the 1st prize in the Innovation Idea Competition	Indira College of Commerce and Science, Pune	Innovation
Abhijeet Lande	Won the 1st prize in the Innovation Idea Competition	Indira College of Commerce and Science, Pune	Innovation
Tejas Sandeep Narwade	Ccompleted a Cyclothon, securing the 50th position	Cyclothon	Technology Transfer
Pratik Chavan	Achieved international recognition with a notable placement in Japan, received an offer letter with an annual salary of approximately 3.12 million yen (equivalent to 18 LPA in INR), and he is set to join in October.	Fast Offer International Program by Asia to Japan team and Hirameki Japanese Language Classes	Technology Transfer
Pratik Jadhav	Achieved runner-up in the Smart India Hackathon showcasing strong problem-solving skills and innovation in technology.	Smart India Hackathon	Innovation
Kaushal Kumar Singh	Received a Grade 'B' and 'C' NCC Certificate, showcasing his commitment and proficiency in NCC activities.	National Cadet Corps	Innovation

Teacher / Student Achievements

Extra-curriculum And Sports Activities

Siddhant Mengade +B51:E57+ B51:E53C5 3B51:E56B 51:E57B51: E59B51:E5 8B51:E57	Best Delegation - first prize at Y20 Summit - Pune (2022-23)	Ministry of Higher and Technical Education	Technology Transfer
Atharva Abhijeet Chitale	Accepted for publication "an innovative prototype drone inspired by the ancient Sanskrit text, the Vaimanika Shastra" at the prestigious 8th International Conference on Computing, Communication, Control, and Automation (IEEE). Furthermore, an Indian design patent has been filed for this groundbreaking innovation	IEEE & Intellectual Property India	Innovation
Adveith Walke	Accepted for publication "an innovative prototype drone inspired by the ancient Sanskrit text, the Vaimanika Shastra" at the prestigious 8th International Conference on Computing, Communication, Control, and Automation (IEEE). Furthermore, an Indian design patent has been filed for this groundbreaking innovation	IEEE & Intellectual Property India	Innovation
Sachin Meena	Accepted for publication "an innovative prototype drone inspired by the ancient Sanskrit text, the Vaimanika Shastra" at the prestigious 8th International Conference on Computing, Communication, Control, and Automation (IEEE). Furthermore, an Indian design patent has been filed for this groundbreaking innovation	IEEE & Intellectual Property India	Innovation
Rahul Gupta	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Anjali Tank	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Tanmay Sanjay Vaij	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer + B53: E57C54B51:E 57B52:E57B50 :E57C54B51:E 57B51:E57
Shreyash Maurya	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer

Teacher / Student Achievements

Extra-curriculum And Sports Activities

Sriya Mukkavilli	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Gurram Sunayana Mohan	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Prashant Bharat Agheda	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Sumaiya Rizwan sayed	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Saksham Agarwal	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Sumit Bakane	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Monik Malik	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Arunika das	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Sunidhi Chopada	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Jay Pithadia	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Ananya A Ghosh	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Aditya Jayesh Aiya	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Nishant Wani	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Virenn Vaatts Jay	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Isha Shakeel Syed	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Vedant Gajanan Jeughale	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Rahel Benjamin	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Anika Ajay Pandit	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Nikshi Mundra	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Meenal Sanghvi	Academic Excellence Award - 2023	DYPIU Scholarships - 2023	Technology Transfer
Atharv Jadhav	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation

Teacher / Student Achievements

Extra-curriculum And Sports Activities

Deepu Yadav	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Divya Mehulkumar Bhalani	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Akshat Pingle	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Soham Santosh Shinde	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Vishwa Chawda	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Devam Amitkumar Tailor	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Bhavana Sandeep Patil	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Jatin Jain	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Sankalp Suresh Rathod	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Gauri Shinde	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Sanskruti Deshmukh	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Aman Nagorao Wagh	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Aalhad Khardenavis	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Mudit Bhatia	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Rahul Shinde	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation
Samuel Eliazor Singh	Emerging Talent Scholarship 2023	DYPIU Scholarships - 2023	Innovation

Students Participation In Add-on /certificate / Value-added Programs:

Name of the add-on/certificate/value-added program/Diploma Programs/ online course of MOOCS/SWAYAM/e Patashala/ NPTEL etc	Class	Program duration (No of Contact Hours)	The number of students who benefitted through the program
NPTEL- Google Cloud Computing	BTech	Approx. 120	53
NPTEL- Accelerated AI	BTech	Approx. 120	4
NPTEL- Computer Vision &DL	BTech	Approx. 120	1
NPTEL- Foundation of Data science	BTech	Approx. 120	1
NPTEL- Cloud Computing	BTech	Approx. 120	4
Python with DSA(NPTEL)	BTech	Approx. 120	1
Big Data Computing (NPTEL)	BTech	Approx. 120	1
Intro to Cyber Security (NPTEL)	BTech	Approx. 120	1
Value added- Digital Media Marketing	BTech	Approx. 120	37 + 85
Value added- Financial Market	BTech	Approx. 120	22
Add-on - Cloud computing	BTech	Approx. 120	39
Add-on- Cloud Computing and Distributed Systems	BTech	Approx. 120	30
Add-on Introduction to Internet of Things	BTech	Approx. 120	14
Add-on - Google Cloud Computing Foundation	BTech	Approx. 120	3
Add-on - Foundation of Cloud IOT Edge AI	BTech	Approx. 120	2
Add-on - An Introduction to Artificial Intelligence	BTech	Approx. 120	1
Add-on - Artificial intelligence: search methods for problem solving	BTech	Approx. 120	1
Add-on Computer Vision &DL	BTech	Approx. 120	1
Add-on Data Analytics with Python	BTech	Approx. 120	4

Students Participation In Add-on /certificate / Value-added Programs:

Add-on Google Cloud Computing	BTech	Approx. 120	4
Add-on - Natural Language Processing	BTech	Approx. 120	2
Add-on - Data Science for Engineers	BTech	Approx. 120	5
Value added- Financial Modeling	BTech	Approx. 120	3
Value added- Introduction to Animation	BTech	Approx. 120	1
Value added- Softskill Development	BTech	Approx. 120	1
SWAYAM- Google Cloud Programming	BTech	Approx. 20	1
Add-on AWS Cloud Essential	BTech	30 hrs	1
Value added- IITM BS DEGREE FOUNDATIONAL LEVEL	BTech	Approx. 120	1
Value Added Program- Flutter with Dart : The Complete Flutter Application Development Course	BTech	Approx. 40	1
Value Added- Certified Ethical Hacker v11 (CEH)	BTech	Approx. 120	1
Add-on - Vulnerability Assessment & Penetration Testing (VAPT)	BTech	Approx. 40	1
Value added- Google Developer Group Devfest 2023	BTech	8 Hrs.	1
Add-on - Computer Networks and Internet Protocol	BTech	12 weeks	
Add on- Sql certification	BTech	Approx. 10	1
Add-on - Cyber Security for Beginners v2024	BTech	40 hrs	1
Value added- AWS Certification	BTech	Approx. 120	1
Value added- HackerRank SQL Certifications	BTech	Approx. 180	1
Value added- Developer Job Simulation-Accenture Nordics by Forage	BTech	Approx. 8	1
Value added- AWS boot camp	BTech	Approx. 30	180
Add-On - Udemy- Artificial Intelligence and Data Science	MCA	Approx. 44	73
Add-On - CISCO- Artificial Intelligence and Data Science	MCA	70	2

Students Participation In Add-on /certificate / Value-added Programs:

Add-On - CISCO- Artificial Intelligence and Data Science	MCA	40	4
Add-On - Coursera- Artificial Intelligence and Data Science	MCA	50	1
Add-On - CISCO- Cyber Security	MCA	70	11
Add-On - LinkedIn Learning - Cyber Security	MCA	63	1
Add-On - Udemy - Cyber Security	MCA	65	3
Add-On - Udemy - Cyber Security	MCA	40	5

Awards/medals Won By Students For Outstanding Performance In Sports/Cultural Activities

- PERA Premier Championship 2023 (Activities for Inter-University) CRICKET (Men) 3rd position
- PERA Premier Championship 2023 (Activities for Inter-University) Kabbadi (MALE) 3rd Position

Glimpses: Participation in Sports Activities



Nikhil Madhav Chavan (Course: BCA) & Atharv Ramesh Pawar (Course : BCA) participated in All India Inter University Athletics (Mens) Championship 2023-24 at KIIT University Bhubaneswar (Odisha)



Cricket Team (DYPIU) participated in All India West Zone Inter University Cricket (Mens) Championship 2023-24 at KBCNM University, Jalgaon, Maharashtra

Awards/medals Won By Students For Outstanding Performance In Sports/Cultural Activities

Glimpses: Participation in Cultural Activities



Indus Fiesta – Jan 2024

School of Biosciences and Bioengineering

B. Tech Program in Bioengineering at DYPIU is a four-year full-time course with multi-track specialization options in four emerging technologies. This course teaches students to apply principles of engineering, biology, physics and chemistry to solve healthcare problems, including those associated with the interaction between living and non-living systems and surroundings.

This program offers the following tracks:

- I. Bio-Chemical Engineering
- II. Biomedical Engineering
- III. Food Biotechnology

The intake for B Tech Bioengineering is 120. We have been progressively increasing the actual intake from the year 2020. In 2020 we had an intake of 29 followed by 75 and now we have intake of more than 120 students per year.

M.Sc (Medical Biotechnology) program at DYPIU aims to render advanced skills in molecular medicine and recent advances in Biotechnology. Medical Biotechnology is a practical oriented program with focus on diagnostics, therapeutics and biomedical research emphasizing on cutting-edge technology. The students are given a comprehensive training as postgraduate students empowering them with the knowledge of allied biomedical sciences to create a work force for advanced research and diagnostics in a medical environment. A Master in Medical Biotechnology is expected to have an understanding about the use of multi-disciplinary approaches to solve a complex problem in the biomedical field. The intake of MSC course is 30.

All our courses, cover areas of basic physiology/biochemistry and Stats to advance courses like Biocomputing, Biomaterials, Biochemical, Omics, Tissue engineering to prepare students for future allied medical fields and technology.

Mandatory teaching and training activities in this program therefore aim to provide students with integrated knowledge in the basic yet advanced modern and upcoming biomedical disciplines. Ultimately; the graduates will be able to develop methods with biotechnological advances and improve conventional technologies or come up with a new strategy. Thus these course offer a lot of scope

for a career in Medical Biotechnology; and other areas of advance biotechnology, as a policy maker, a consultant, a researcher, an industry professional or as an entrepreneur.

Unique features of all our programs

Experiential Learning

The students acquire knowledge through participation in the laboratories for individual bench-work, classroom exercises; and through critical reading and analysis of the current scientific literature. The students are asked to build on mostly real or hypothetical problems and find solutions in a doable way.

Biocomputing

Courses focusing on Bioinformatics, Bio-modelling and Omics in Biology with emphasis on Genomics, Proteomics and Microbiomes will give students exposure in the evolving technologies and development of the field. Students are made aware of the emerging fields and technology and coaxed into developing their expertise for these.

Flexibility to choose between industrial or research opportunities - The program provides one and a half semester for projects where students have the flexibility to choose between industrial training, lab-research or dissertation. Students can opt for a specific field to get a finer understanding of the field and emerge as specialists in the domain of their choice.

Facilities

School of biosciences and bioengineering has established a state-of-the-art facility for training BTech and MSC students and for research. The university has over the years build up the faculties to do research in the key areas. We have well

developed facilities for molecular biology, cell and tissue engineering and Food and biochemical technology.

Faculty Highlights:

- **Dr Shashi Singh:** PhD 1988 University Delhi; Cell and tissue Engineering (2021) Cell biology, physiology and tissue
- **Dr. Meena Pandey:** PhD 2002 Kumauni University; Plant Biotechnologist (2018)-cell biology, biodiversity and genetics
- **Dr. Sonal Mahajan:** PhD 2018 Amravati University; Enzyme Biochemistry (2018) Biochemistry, analytical techniques and Molecular Biology
- **Dr. Surabhi Sonam:** PhD 2014 National University Singapore; Mechanobiology (2019) Cell biology, biomechanics
- **Dr. Priyatosh Ranjan:** PhD 2017 IIT Mumbai; Protein folding and disease mechanism (2019) Protein chemistry, Molecular interactions and genetic engineering

- **Dr. Parth Sarthi Sen Gupta:** PhD 2018, University Burdwan Computational; Biology and drug Discovery (2022)
- **Dr. Lubna Shaikh;** PhD 2024 ICT Mumbai Food Technology (2024)
- **Dr. Babuskin Srinivasan:** PhD 2014 (Anna University) Food Technology 2023
- **Dr. Prafull Kumar :** PhD 2020 (Shoolini University) Food Technology 2024
- **Dr. Vijaylakshmi Srinivas:** Nanotechnology and Image analysis (2024)
- **Ms. Shubhangi V Patil MTech:** Lecturer Computational studies (2023)
- **Ms Reema Deshmukh:** MTech Lecturer Molecular Biology (2024)

Visiting faculty

- Dr. Abhipsha Biswal
- Mr. Bapina K Raut
- Dr. Janardan Patra
- Ms. Jennifer

Events & Activities of the School:

Sr. No.	Name of Activity	Date	Co-Ordinated By
1	Visit to Mlemer hospital	Oct-23	Shubhangi Patil
2	Batch visits to Ojas Hospital	Oct - Nov 2023	Shubhangi Patil
3	Sustainability Conclave on productivity and Green Growth	Jan 18, 2024	Dr. Surabhi Sonam
4	National Conference Food and Biochemical Processing	February 23-24, 2024	Dr. Babuskin Srinivas
5	Visit to Sula vines	Feb 26, 2024	Dr. Babuskin Srinivas
6	International Conference on Microfluidics and healthcare engineering	March 19-20, 2024	Dr. Surabhi Sonam
7	Brain computer Interface Workshop	4-5th July 2024	Dr. Surabhi Sonam
8	Scinion, an annual science magazine	Annual	Dr. Surabhi Sonam

Faculty Achievements:

Sr. No.	Description	Achieved By	Date
1	Editorship Frontiers	Dr. Surabhi Sonam	2023
2	Editorship Frontiers in Environmental sciences as sorption Technologies	Dr. Sonal Mahajan	2023
3	Editorial board of Journal of Food processing and preservation	Dr. Babuskin Srinivasan	2024
4	10 articles listed in COVID data base of WHO	Dr. Parth Sarthi Sen Gupta	2023-24
5	Editorial board of Scientific Reports	Dr. Parth Sarthi Sen Gupta	2023-24
6	Collaboration with Industry	Dr. Parth Sarthi Sen Gupta	2023-24
7	Adjunct faculty for the subject Food Safety and Quality Assurance in the Department of Food Processing Technology and Management, PSGR Krishnammal College for Women, Coimbatore	Dr. Babuskin Srinivas	February-May 2024.

Student Achievements:

Sr. No.	Description	Achieved By	Date
1	Model Y20 Summit organized by Y20 India National 29.7.2023-30.7.2023	Mr. Shruti Tonde	29.7.2023-30.7.2023

PUBLICATIONS

- R Srivastava, SK Gupta, Parth Sarthi Sen Gupta et. al. (2023) Exploring antiviral potency of N-1 substituted pyrimidines against HIV-1 and other DNA/RNA viruses: Computational Biology and Chemistry <https://doi.org/10.1016/j.compbiolchem.2023.107910>
- Ritika Srivastava, Parth Sarthi Sen Gupta, Anvita Chaudhary, Farha Naaz, Aditya K Yadav, Nand Kumar Ram, Malay Kumar Rana (2023) In silico evaluation of S-adenosyl-L-homocysteine analogs as inhibitors of nsp14-viral cap N7 methyltransferase and PLpro of SARS-CoV-2: synthesis, molecular docking, physicochemical data, ADMET and molecular dynamics simulations studies. Journal of Biomolecular Structure and Dynamics 31:1-18
- Saroj Kumar Panda, Parth Sarthi Sen Gupta, Shaswata Karmakar, Satyaranjan Biswal, Nimai Charan Mahanandia, Malay Kumar Rana (2023) Unmasking an Allosteric Binding Site of the Papain-like Protease in SARS-CoV-2: Molecular Dynamics Simulations of Corticosteroids. The Journal of Physical Chemistry Letters 14:10278-284
- Singh, S., Singh, N., Baranwal, M., Sharma, S., Devi, S. K., & Kumar, S. (2023) Understanding

immune checkpoints and PD-1/PD-L1 mediated immune resistance towards tumor immunotherapy. *3 Biotech* 13(12):411

- Singh, S., Gupta, A., Singh, N., Sengupta, Parth, Panda, S. K., & Sharma, S. 2023, Genotyping, in silico screening and molecular dynamics simulation of SNPs of MGMT and ERCC1 gene in lung cancer patients treated with platinum-based doublet chemotherapy. *Journal of Biomolecular Structure and Dynamics*. 1-20
- Singh, S., Sharma, S., Lawania, S., & Singh, N. 2023 Single-nucleotide polymorphisms of nucleotide excision repair genes and their association with overall survival in North Indian lung cancer patients treated with platinum-based doublet chemotherapy. *Journal of Cancer Research and Therapeutics*, 19;408-413
- Prafull Chavan, Gurvendra Pal Singh, Krishna Aayush, Somesh Sharma, Pankaj Kumar Chauhan, Rahul Thory, Mamta Shandilya, Deepak Kumar (2024) Development and characterization of pearl millet (AHB 1200) starch nanoparticle-based edible films: A paradigm shifts in food packaging. *Journal of Food Process Engineering* 47: e14575
- Nabarun Chandra Das, Parth Sarthi Sen Gupta et al. (2024) Immune targeting of filarial glutaredoxin through a multi-epitope peptide-based vaccine: A reverse vaccinology approach. *International Immunopharmacology* 133:112-120

School of Interdisciplinary Studies and Research

SISR deals with research activities of the university, the focus of our Philosophy. There is an emphasis on the research-based teaching methods and a formal PhD Program. PhD students are expected to have a strong knowledge base and have an interdisciplinary approach to solve problems. Our research is borderless, we do not have formal groups or departments but can enrol people from any school to solve a problem and create a cluster.

Our research interests are driven by the real-life problems that one faces in everyday life and seek their solutions across disciplines to create new ideas with global impact.

Though all the faculty engaged in research belongs to School of ISR but there are some faculty who are engaged by all the schools for teaching, get listed in SISR

Faculty

Dr. Anju Chaurasia Mathematics PhD 2019

Dr. Neera Bansal Mathematics PhD 2019

Dr. Rishikant Rajdeepak Mathematics PhD 2022

Dr. Vandna Srivastava Mathematics PhD 2023

Dr. Siddharth Gavhale Mathematics PhD 2023

Dr. Anu Dandona Psychology PhD 2024

Dr. Pamir Gogoi Linguistics PhD 2024

Dr. Vinod Kumar Ghale Mathematics PhD 2024

PhD program

We have a total of 53 PhD students working in different areas. Total number of publications in this academic year are more than 50 and 10 chapters in books/journals. About 4 faculties have been invited for talks and 7 have attended conferences to present their research work.

Current enrolments and Research Areas

Currently 54 students are enrolled for PhD in various areas related to healthcare, science and technology and management, Mathematics and Literature. Some key areas of research are-

Brain computer interface

About 3 students are working on various aspects of multiple intelligence, ADHD, improving learning, lifestyle and health etc. using Brain Computer Interface strategies. Currently students are using EEG to map and entrain people to

maximize their responses to external auditory or photic stimuli.

At DYPIU, researchers have worked out the exact frequencies of sound or light stimuli to be used for entrainment. Through brainwave entrainment and potentially influencing the balance between different types of brain waves, these auditory/light stimuli may have the potential to improve cognitive function, promote relaxation, and enhance mental states.

ADHD patients more than 100 subjects have participated for binaural entrainment program after informed consent. For analysis purpose, two important techniques are used first is Rating scale and second the EEG data. Psychologist generally used rating scale to mark the subject level before and after entrainment but in this experiment real time EEG recording help to analyses the brain activities. In a parallel study using audio-visual entrainment, 33 children with ADHD, ADHD+ASD, and ASD in the age group 6-12 years were given audio-visual stimulation. The signals collected are being analysed to understand the mechanism behind any changes observed.

Data Science

Designing a Model for Predicting Water Capacity of Bhīma River Basin. Water resource management requires a comprehensive knowledge of the various hydrological components within the hydrological cycle including their interrelationship with climatic variability and land cover change.

AI and Disaster management using AI

Decentralised framework in Health Care 4.0 and Post Disaster Management System using social media etc.

In Healthcare 4.0, Patients' discharge summaries (documents) are health sensors that are used for measuring the quality of treatment in

medical centres. However, extracting information automatically from discharge summaries with unstructured natural language is considered challenging. These kinds of documents include various aspects of patient information that could be used to test the treatment quality for improving medical-related decisions. One of the significant techniques in literature for discharge summaries classification is feature extraction techniques from the domain of natural language processing on text data. I tried to propose a novel sentiment analysis method for discharge summaries classification.

Valid medical discharge dataset gathering MIMIC IV, MIMIC III; Collection from the Hospital is completed. Proposed a model for Text extraction from scanned images, PDFs, and docs into raw text using the proposed model. Sentiment Analysis for Classification of Discharge Summaries.

In Post Disaster Management System using social media etc.

To compare the traditional model and the proposed model's Sentiment Analysis and find experimentations comparative results. To perform Hypothesis testing. To perform Human Evaluation (Doctor) with obtained sentiment analysis to validate the results.

- Data collection done by using twitter API.
- Classification done into more than 5 categories.
- Total 7 Extractive and Abstractive algorithms implementation done.
- Finding the insights from generated summary of tweets.

Quantum computations

Development of variation classical-quantum algorithm for optimization problem. Currently, we are pursuing work on Tridiagonal Toeplitz matrices and their role in quantum computation. In addition, Quantum Imaginary time volition is on the way to crack some algorithmic problems.

Further, we are in the process to develop quantum algorithms for Indian Railways to solve a few problems. One of the major challenges in

railways is interlocking, which is software-controlled activity. Our efforts are to improve it and make it more precise and faster by developing quantum algorithms in a hybrid environment. So, such work involves Quantum machine learning, quantum circuit design, the development of less time-consuming algorithms, testing validation and deployment.

Design and develop a system for Soil analysis

Introduction:

The one important challenge in the field of agriculture is productivity of land. Currently no such system or machine is available to automatically collect all the required data, about soil physicochemical and fertility parameters. Hence, we need a portable device that can analyse a different parameter of soil like (the Nutrients of soil such as Nitrogen(N), Phosphorus(P) and Potassium(K), wet soil/Dry Soil, pH and colour of soil, hardness/ softness, warm, cold) in real time. This research comprises of an electronic device which would detect macronutrients with the optical transducer, hardness/ softness of soil by using force sensor, Dry and wet of soil by using digital system design and pH and colour of soil by using colour sensor.

Work plan:

Trying to build the electrical connectivity between all to measure the Soil Moisture (Wet/dry Soil), Electrical Conductivity, Soil Texture, Haptic Parameter-Temperature(Warm/Cold), Haptic Parameter- Hardness/Softness of soil, pH Measurement Soil Nutrient Nitrogen(N), Soil Nutrient Phosphorus(P), Soil Nutrient Potassium(K) to monitor the data on the webpage for real time analysis.

Protein biology

"Validation of in silico designed peptides to model the Parkinson's disease and other amyloid based disease" Amyloids are proteinaceous aggregates characterized by fibrillar morphology, a

cross- β -sheet rich secondary structure. Amyloids are linked to the development of various diseases like Parkinson's disease, Alzheimer's disease, Huntington's disease, Prion disease, Diabetes mellitus (type II) and many more. Amyloid diseases are caused by the nucleation-dependent polymerization reaction where initially innocuous soluble proteins assemble to form amyloid fibrils that are resistant to degradation. The amyloid formation is a multistage process wherein complete or partial unfolding of the monomeric precursor is the triggering event leading to the generation of aggregation-prone species. Amyloid polymerization is amino acids sequence dependent. Glutamine/asparagine rich domains have a high tendency to form amyloid fibrils in case of prion disease as well as Huntington's disease. Proteins like amyloid beta and alpha-synuclein are thought to aggregate through regions which are rich in hydrophobic amino acids. Among the hydrophobic amino acids, aromatic residues have the highest propensity to form amyloid aggregates. Hence, the establishment of rules that link sequence and amyloid feature is critical for our understanding of misfolding diseases. In the current project, via bioinformatics tools, we aim to identify the protein sequences in human body which have the tendency to form amyloid aggregates. Post simulation of protein-protein interactions, we will test these proteins in human cell lines. In this system, we will also try to understand the effect of flow properties on amyloid aggregation in cellular environment. With this project, we aim to create conditions which replicate the brain environment and study amyloid aggregation in the same.

Fermentation and Green Chemistry for Valorization of Wilted *Vitis vinifera* and *Trigonella foenum-graecum*

Food waste, particularly from agricultural by-products like wilted grapes and fenugreek (*Vitis vinifera* and *Trigonella foenum-graecum*), represents a significant environmental and economic challenge. Wilted samples, though often discarded, hold valuable nutrients and bioactive compounds. To investigate their potential,

advanced analytical techniques are required. High-Performance Liquid Chromatography (HPLC) is a crucial tool for this purpose. HPLC will be employed to precisely identify and quantify vitamins, phytochemicals, and other bioactive components in wilted samples. This detailed analysis is vital for optimizing extraction methods and maximizing the valorisation of these by-products.

'Developing collagen-chitosan films with bioactive plant extracts for diabetic wound healing'

This research is crucial for addressing the pressing healthcare challenges posed by diabetic wound healing. Diabetic wounds represent a significant clinical burden, leading to prolonged hospital stays, increased risk of amputation, and reduced quality of life for affected individuals. Current treatment options often prove inadequate, highlighting the urgent need for innovative therapeutic interventions. Biological processes required for effective healing. This research aims to investigate the efficacy of a combination therapy utilizing bioactive plant extracts and chitosan-collagen films, leveraging their synergistic anti-inflammatory, antimicrobial, and regenerative properties. The ultimate goal is to develop a more effective, personalized, and durable treatment strategy for chronic wounds, thereby improving patient outcomes and quality of life.

Social & Management Sciences

“Effectiveness and Implementation Strategies of Digital Training Platforms in Organizations: A Study on the Changing Learning Needs of the Workforce

This research will focus on digital training platforms used within organisational contexts. It will cover various types of these platforms, including Learning Management Systems (LMS), e-learning courses, mobile learning applications, and AI-driven personalised learning platforms. The study will consider organisations across different industries and sizes to ensure diverse perspectives. The primary aspects of the study are the effectiveness of digital training platforms,

implementation strategies employed by organisations, and the changing learning needs of the workforce.

Impact of Behavioural Biases on Financial Planning Decision-Making and Its Adoption

This research is crucial for developing targeted interventions to mitigate the adverse effects of behavioural biases on financial planning. By

understanding the role of these biases in Fintech adoption, policymakers and financial educators can design better tools and programs to enhance financial literacy and inclusion.

The question we are asking is - How do behavioural biases influence financial planning decision-making, and what impact do these biases have on the adoption and effectiveness of Fintech solutions?

Patents and Publications if any during the year with stat Patents/Design registration

Dr. Sudhir Kumar, Mr. Dinesh Kumar, Dr. Nada Abdul-Aziz A Alas Bali	Location Based lot System For Vehicle Speed Control With Carburettor Valve Optimization	01-Nov-23	Patent
Dr. Sudhir Kumar, Mr. Dinesh Kumar	lot Based Automatic Refilling And Gas Weight Measurement And Mobilityapparatus	Oct-23	Indian Utility/Process Patent
Dr. Sudhir Kumar, Mr. Dinesh Kumar, Dr. Nada Abdul-Aziz A Alas Bali	Location Based lot System For Vehicle Speed Control With Carburettor Valve Optimization	Dec-23	Indian Utility/Process Patent
Dr. Sudhir Kumar, Mr. Dinesh Kumar	Gas Cylinder Weight Measuring And Mobility Stand	Dec-23	Indian Design Registration
Dr. Vandna Srivastava	"Method And System For Detecting Driver Fatigue Using EEG,"	Dec-23	Indian Utility/Process Patent
Dr. Maheshwari Biradar, Dr. Sanjay Badhe, Dr. Bahubali Shirgapur, Mrs. Smita Pawar, Dr. Vaishnav G. Kale, Dr. Rahul Sharma	Efficiency Enhancement Of Solar Panel	March 1, 2024	Indian Utility/Process Patent/published
Dinesh Kumar, Swapnil S Bhurat, Gaurav Kumar Singh, Sudhir Kumar	Solar Water Heater Based Oven	March 1, 2024	Indian Design Registration
Dinesh Kumar, Swapnil S Bhurat, Gaurav Kumar Singh, Sudhir Kumar	Power Generating Panel	March 1, 2024	Indian Design Registration

Patents/Design registration

Shubhro Chakrabartty, Sanketvardhan Satyajeet Bhonsle, Rushikesh Ramchandra Waghmode, Deepti Jayananth Iyer, Ruchit Ramesh Shetty	Smart Stick	Apr-24	Indian Design Registration
Shubhro Chakrabartty, Atharva Abhijeet Chitale,Vandna Srivastava,Adveith Walke, Sachin Meena	Drone	May-24	Indian Design Registration
Nitish Rupesh Sawant, Bahubali Shiragapur, Swet Chandan, Vaishnav Kale, Maheshwari Biradar	Plant Pulse	May-24	Indian Design Registration
Dinesh Kumar, Swapnil S Bhurat, Gaurav Kumar Singh, Sudhir Kumar, Sunil Kumar Tiwari	Drill Bit Accessory For Fillet	Jun-24	Indian Design Registration

School of Biosciences and Bioengineering

Publications of the staff

(2023-2024) total Impact factor-4.6

Publications 2023-24

- R Srivastava, SK Gupta, Parth Sarthi Sen Gupta et. al. (2023) Exploring antiviral potency of N-1 substituted pyrimidines against HIV-1 and other DNA/RNA viruses: Computational Biology and Chemistry <https://doi.org/10.1016/j.compbiolchem.2023.107910>
- Sadiya Naaz, Rashmi Khanna, Riya Rawat, Neha Negi, Mangey Ram, Akshay Kumar, Anuj Kumar (2023) Signature reliability analysis of complex consecutive k-out-of-n:W CMO system via UGF and SFA. Part O: Journal of Risk and Reliability
- Jomy John,N. Geetha,Veera Talukdar,Pravin B. Waghmare, Sreenivasulu Reddy L., Suneetha Bandeela (2023) Deep Learning-Based Domain Adaptation Healthcare Method for Predicting Mortality Risk of ICU Patient. International Journal of Intelligent Systems and Applications in Engineering, 11(11S);465-467
- Veeraiah, V., K. O., T., Talukdar, V., Islam, S., Ajagekar, S. S., & Yellapragada, R. K (2023) Deep Learning-Based Classification for Healthcare-Based IoT System for Efficient Diagnosis. International Journal of Intelligent Systems and Applications in Engineering, 11(11S) 165-174
- Bandla Pavan Babu (2023) Enhancing Infrastructure Safety: A UAV-Based Approach. Engineering journals 27;
- Tina Sharma, Anuj Kumar, Sangeeta Pant, Ketan Kotecha (2023) Wastewater Treatment and Multi-criteria Decision-Making Methods: A Review IEEE Access 11:143704-720
- Ritika Srivastava, Parth Sarthi Sen Gupta, Anvita Chaudhary, Farha Naaz, Aditya K Yadav, Nand Kumar Ram, Malay Kumar Rana (2023) In silico evaluation of S-adenosyl-L-homocysteine analogs as inhibitors of nsp14-viral cap N7 methyltransferase and PLpro of SARS-CoV-2: synthesis, molecular docking, physicochemical data, ADMET and molecular

- dynamics simulations studies. *Journal of Biomolecular Structure and Dynamics* 31:1-18
- Saroj Kumar Panda, Parth Sarthi Sen Gupta, Shaswata Karmakar, Satyaranjan Biswal, Nimai Charan Mahanandia, Malay Kumar Rana (2023) Unmasking an Allosteric Binding Site of the Papain-like Protease in SARS-CoV-2: Molecular Dynamics Simulations of Corticosteroids. *The Journal of Physical Chemistry Letters* 14:10278-284
 - Bharti Shalok, Sudhir Kumar*, Inderjeet Singh, Dinesh Kumar, Swapnil Bhurat, M. R Abdullah, and SSR Kolor (2023). A Review of Recent Developments in Friction Stir Welding for Various Industrial Applications *Journal of Marine Science and Engineering* 12:1
 - D Ghetiya N, Bharti S, Patel KM, Kumar Sudhir, Rahimian Kolor SS (2023) An insight on optimization of FSP process parameters for the preparation of AA5083/(SiC-Gr) hybrid surface composites using the response surface methodology. *Composites and Advanced Materials* 32:1-13
 - Vivek Veeraiah1, , Dr. Ravikumar G. K., , Dr. Veera Talukdar,, Dr. Shaziya Islam, * (2023) Fake News Detection using Natural Language Processing and TensorFlow in IoT System. *International Journal of Intelligent Systems And Applications In Engineering* 12(10) 199-207
 - Anna Shalini, Dr. A. Pankajam, Dr. Veera Talukdar, Dr. S. Farhad, Mr. Gokul Talele, Elangovan Muniyandy, Dharmesh Dhabliya (2023) Lung Cancer Detection and Recognition using Deep Learning Mechanisms for Healthcare in IoT Environment. *International Journal of Intelligent Systems And Applications In Engineering* 12(10) 208-216
 - Bukka Shobharani, Dr. Veera Talukdar, Mrs. Reshma Ramakant Kanse, Dr. Vaishali V.Sarbhukan,Dr. S. Farhad, Harshal Patil, Ankur Gupta (2023) Impact of Hybrid LSTM Based Deep Learning Model Over Blockchain Security and Performance Enhancement. *International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING*. 12(10) 449-460
 - Mayank Kumar, Sachn Kumar, Shubhro Chakrabartty*, Alwin Poullose, Hala Mostafa and Bhawna Goyal (2023) Dispersive Modeling of Normal and Cancerous Cervical Cell responses to Nanosecond Electric Fields in Reversible Electroporation using a Drift-Step Rectifier Diode Generator. *Micromachines*, MDPI 14:2136
 - Singh, S., Singh, N., Baranwal, M., Sharma, S., Devi, S. K., & Kumar, S. (2023) Understanding immune checkpoints and PD-1/PD-L1 mediated immune resistance towards tumor immunotherapy. *3 Biotech* 13(12):411
 - Sudhir Kumar*, Inderjeet Singh, Dinesh Kumar, Jonty Mago, SSR Kolor (2024) Mechanical, morphological, and dimensional properties of heat-treated fused deposition modelling printed polymeric matrix of polyethylene terephthalate glycol. *Progress in Rubber, Plastics and Recycling Technology* 40(2):168-190
 - Sudhir Kumar*, Harpreet Singh, I. Singh, Shalok Bharti; D. Kumar, G. Siebert, S. S. R. Kolor*(2024) A Comprehensive Review of FDM Printing in Sensor Applications: Advancements and Future Perspectives. *Journal of Manufacturing Processes* 113:152-170
 - B. P. Joshi, Arvind Bhatt, Mehul Manu, Anuj Kumar, Sangeeta Pant, Pawan Joshi (2024) Ambiguous Fuzzy Averaging Operator based decision-making approach with Application to Classification of Renewable Energy Sources. *IEEE Xplore*.
 - B. P. Joshi, Arvind Bhatt, Mehul Manu, Anuj Kumar, Sangeeta Pant, Shailendra Giri (2024) Geometric Aggregation Operator for MCDM method based on AIFS information: Application to renewable-energy-source-selection problems. *IEEE Xplore*.
 - Shshank Chaube, Sangeeta Pant, Anuj Kumar, Shaurya Uniyall, Manoj Kumar Singh, Ketan Kotecha, Akshay Kumar (2024) An Overview of Multi-Criteria Decision Analysis and the Applications of AHP and TOPSIS Methods.

International Journal of Mathematical, Engineering and Management Sciences

- Dr. Kirti Mehta and Dr. Vandana Bhavsar (2024) Assessing the Sustainability of Self-Help Groups in India: An Interstate Analysis.
- Shshank Chaube, Sangeeta Pant, B.P.Joshi, Anuj Kumar, Manoj Kumar Singh, Ketan Kotecha (2024) Reliability-Redundancy Optimization of an Overspeed Protection System of a Gas Turbine by Modified Wild Horse Optimizer. IEEE Xplore.
- Prafull Chavan, Gurvendra Pal Singh, Krishna Aayush, Somesh Sharma, Pankaj Kumar Chauhan, Rahul Thory, Mamta Shandilya, Deepak Kumar (2024) Development and characterization of pearl millet (AHB 1200) starch nanoparticle-based edible films: A paradigm shift in food packaging. Journal of Food Process Engineering 47: e14575
- Bansidhar Joshi, Bineet Kumar Joshi, Sanjeev Kumar (2024) A Novel Deep Learning Based Gender Classification, Expression Recognition and Emoticon Generation. IEEE Xplore.29-33
- Vivek Veeraiah, GK Ravikumar, Veera Talukdar, Fake News Detection using Natural Language Processing and TensorFlow in IoT System. International Journal of Intelligent Systems and Applications in Engineering 12(10): 199-207
- Shalini, A., Pankajam, A., Talukdar, V. (2024) Lung Cancer Detection and Recognition using Deep Learning Mechanisms for Healthcare in IoT Environment. International Journal of Intelligent Systems and Applications in Engineering 12(10)208-216
- Bukka Shobharani, Veera Talukdar (2024) Impact of Hybrid LSTM Based Deep Learning Model Over Blockchain Security and Performance Enhancement. Intelligent Systems and Applications in Engineering 12(10)449-460
- Saroj Kumar Panda, Parth Sarthi Sen Gupta, Malay Kumar Rana (2024) Can Duvelisib and Eganelisib work for both cancer and COVID-19? Molecular-level insights from MD simulations and enhanced samplings. Physical Chemistry Chemical Physics 26:10961-73

- Nabarun Chandra Das, Parth Sarthi Sen Gupta et al. (2024) Immune targeting of filarial glutaredoxin through a multi-epitope peptide-based vaccine: A reverse vaccinology approach. International Immunopharmacology 133:112-120
- Dr. Rajendhar Puppala (2024) Application of DSO Algorithm for Estimating the Parameters of Triple Diode Model based Solar PV System. Scientific Reports 14-3867
- Varsha S. Sambhaje; Suprabhat Sinha; Anju Chaurasia (2024) Entanglement of Bell Diagonal States Induced by Quantum Channels. IEEE Xplore 1029-1034
- Dr. Anu Dandona (2024) Navigating the Digital Landscape: Unravelling the Psychological, Educational, and Emotional Consequences of Social Media Use for Students with Learning Disabilities. Youth Voice Journal 14:1-28

Chapters in Books

- Somya Dubey and Manish Sharma (2023) Adaptive Security Model for Healthcare data Using NLP in Adaptive Security Model for Healthcare data Using NLP. Lambert Academic Publishing
- Dr. Sarika Kadam- Jadhav (2023) The AI Revolution: Future Unveiled in The AI Revolution: Future Unveiled EMPYREAL Publishing House, ISO Certified International Publisher, India
- Dr. Swapnil Bhurat and Dr. Khushboo Bhurat (2023) Greenhouse Gas (GHG) Emissions and Its Mitigation Technology in Transportation Sector in Green Technologies for Sustainable Production, Volume 1 John Wiley & Sons
- Samarjit Roy, Debadrita Panda, Byung-Gyu Kim, Palash Bairagi, Tamal Mondal, Sirshendu Arosh, Suprabhat Sinha, Debashis De, Yingwei Wang, Karolj Skala & Davor Davidovic (2023) DewMetrics: Demystification of the Dew Computing in Sustainable Internet of Things. In Dew Computing The Sustainable IoT

Perspectives Springer, Singapore

- Dr. Priyanka Dhoot, Ms. Anuradha Patil (2023) Fintech Disruption: Reshaping the Financial Landscape in Digitalization of the Indian Financial Sector. Shanlax Publications
- Harinder Singh, Veera Talukdar, Huma Khan, Dharmesh Dhabliya, Rohit Anand, Abhra Pratip Ray, Sanjiv Kumar Jain (2024) PSO-Based Nature-Inspired Mechanisms for Robots during Smart Decision-Making for Industry 4.0 in Robotics and Automation in Industry 4.0 Smart Industries and Intelligent Technologies CRC press- Taylors and Francis
- B. Mahendra Kumar, Veera Talukdar, Huma Khan, Suryansh Bhaskar Talukdar, Ashok Koujalagi, R. Ganesh Kumar, Ankur Gupta (2024) Application of AI-Based Learning in Automated Applications and Soft Computing

Mechanisms Applicable in Industries in Robotics and Automation in Industry 4.0 Smart Industries and Intelligent Technologies CRC press- Taylors and Francis

- Harinder Singh, Vivek Veeraiah, Huma Khan, Dharmendra Kumar Singh, Veera Talukdar, Rohit Anand, Nidhi Sindhwani (2024) Investigating Scope and Applications for the Internet of Robotics in Industrial Automation in Robotics and Automation in Industry 4.0 Smart Industries and Intelligent Technologies CRC press- Taylors and Francis
- Shubhro chakrabartty*, AlaaDdin Al-Shidaifat, Hanjung Song, Ayush Kumar Singh (2024) Memristors: A Missing Element is a Boon Towards the Development of Neuromorphic Computing and AI in Machine Learning and Metaheuristics: Methods and Analysis Springer Nature

Events & Activities of the School:

Sr. No.	Name of Activity	Date	Co-Ordinated By
1	Sustainability Conclave on productivity and Green Growth	Jan 18, 2024	Dr. Surabhi Sonam
2	National Conference Food and Biochemical Processing	February 23-24, 2024	Dr. Babuskin Srinivas
3	International Conference on Microfluidics and healthcare engineering	March 19-20, 2024	Dr. Surabhi Sonam
5	Brain computer Interface Workshop	4-5th July 2024	Dr. Surabhi Sonam
6	Scinion, an Annual Science Magazine	Annual	Dr. Surabhi Sonam

Faculty Achievements

Sr. No.	Description	Achieved By	Date
1	10- publications	Parth sarthi Sen Gupta	Throughout year
2	5 publications	Sidhartha Singh	Throughout year
3	10 Publications	Anuj Kumar	Throughout year
4	Editorship in Nature Scientific reports	Parth Sarthi Sen Gupta	
5	Editorship in Nature Scientific reports	Anuj Kumar	

Student Achievements

Sr. No.	Description	Achieved By	Date
1	Thesis Completion	Vijay Laxmi	Mar-24
2	Thesis Completion	Shilpa Marathe	Aug-24
3	Thesis Completion	Sulaxan Jadhav	Aug-24
4	Thesis Completion	Madhuri Pagale	Due in Nov 2024
5	Thesis Submission	Varsha Sambhaje	

Publications by Students

- Varsha Sambhaje, Suprabhat Sinha and Anju Chaurasia 2023, Entanglement of Bell Diagonal States Induced by Quantum Channels. IEEE-Xplore
- Mishra, S.Roy, Naasrin I Shaikh, et. al., 2023, Recent advances in multiplex aptasensor detection techniques for food-borne pathogens: A comprehensive review of novel approaches. Biosensors and Bioelectronics: X
- Shrikant Mahindrakar 2023, Performance Analysis of Tweet Summarization Techniques Considering Crisis Dynamics. ACM
- Rashmi Dharwadkar 2024 YOLO 7: A Comprehensive Study of Recent Developments in Object Detection techniques and Localization. AIP
- Shilpa Maratha 2024 A CNN-inspired Reverse Search Engine for Content-based Image Retrieval IEEE- Xplore
- Shilpa Marathe 2023, Content based Image Search Engine with Grey Wolf Optimized Neural Network. IEEE- Xplore
- Shilpa Marathe 2023, Fusion of Colour, Texture, and Shape Features with Supervised Learning Model for Content Based Image Retrieval. International Journal of Intelligent Systems and Applications in Engineering (IJISAE)
- Shrikant Mahindrakar 2024 Exploration of Topic Relevance in Summaries for Re-summarizing using LLM in Crisis Chronology. IEEE-Xplore
- Shrikant Mahindrakar, 2024 Exploration of Summary Informativeness and Topic Richness through Mining Multilingual Tweets - A Study on Turkey Earthquake 2023 Social Network Analysis and Mining
- Shweta Banait, Prabhat Ranjan. 2024 Embracing Neurodiversity: Leveraging Brainwave Entrainment to Cultivate Artistic Abilities in Kids with Attention Differences IEEE-Xplore
- Shweta Banait, Prabhat Ranjan 2024 EEG-Driven Approach to Improve Academic Performance via Auditory Brainwave Entrainment Techniques. IEEE-Xplore
- Shweta Banait 2024, Effect of Binaural Beat on EEG Patterns and Learning Performance in Students with Learning Difficulties. Indonesian Journal of Electrical Engineering and Computer Science
- Shweta Banait 2020 Regression Techniques in Machine Learning & Applications: A Review International Journal for Research in Applied Science & Engineering Technology (IJRASET), vol. 8, no. X, pp. 1-7, Oct. 2020, ISSN: 2321-9653.
- Varsha Sambhaje and Anju Chaurasia 2024 The HHL algorithm: Implementation and research directions. International Journal of Quantum Information (SCI Journal)
- Varsha Sambhaje and Anju Chaurasia 2024 Three Dimensional Exploration of the Dynamics of Bell Diagonal States. International Journal of Theriotal Physics (SCI Journal)
- Manasa Mandapati 2024 Virtual Reality for photic stimulation in AVE of Brainwaves to improve learning in children diagnosed with Attention Deficit Hyperactive Disorder
- Shrikant Mahindrakar 2020 Regression Techniques in Machine Learning & Applications: A Review, International Journal for Research in Applied Science & Engineering Technology (IJRASET), vol. 8, no. X, pp. 1-7, Oct. 2020, ISSN: 2321-9653.
- K T Vijayan & Dr. Madhavi Deshpande Role of Technological Advancement on Work and their Significance for Training in Manufacturing Journal Press India, Delhi India
- Vaishali C.Kulloli, Dr. Maheshwari Biradar Iris Liveness detection using SIFT, SURF and SVM with Quality Metrics for Biometric Authentication

School of Commerce & Management

Program Description:

Bachelor in Business Administration (BBA).

To provide academic excellence, innovation, experiential learning, research and employability to students a two-year Bachelor in Business Administration (BBA) has been offered to students. The BBA program is built with an aim to harness the intellectual capacities and blending in vocational skills with additions of Ability Enhancement Programs and Skill Development Programs complementing the basket of core, foundation and elective courses. These are the foundations of a successful career. Technology is an integral part of the learning ecosystem at DYPIU.

The first two years concentrate on core courses /aspects of business and third year onwards one can choose specializations according to their interests. The specializations offered are in areas of International Business, Supply Chain Management and Finance.

MBA in Digital Business(MBA-DB).

The two-year master's programme in Digital Business takes a broad approach to the digitalisation that shapes society. It addresses the new challenges that digitalisation poses for companies and their employees with regard to business renewal and innovation, marketing and digital services.

Students gain knowledge in how to analyse the business opportunities that digitalization offers for both new and existing companies. In addition, the programme stimulates creative thinking around digitalisation, strategic change, business innovation

and renewal. The programme combines theoretical and real-world practical work, and has a multidisciplinary approach covering topics in business administration, Digital Business, Technology ingrained in the syllabus.

DYPIU has also introduced multiple tracks addressing the future needs of the industry:

1. Fintech
2. Marketing Analytics
3. Supply Chain Management

Salient features of the program:

- Multiple tracks namely Fintech, Marketing Analytics and Supply Chain Management etc are offered addressing to the current and future needs of the industry.
- Regional and International Immersion Program (Regional & International Study Tour)
- Industry Visits
- IT Skills
- Life Coping Skills
- Certification Programs Focused on Employability Enhancement
- Focus on Practical and Hands on Training
- Foreign Language Training
- Dissertation / Industry Immersion Program
- Specially designed Workshops on IoT, Machine learning, Artificial Intelligence an impact on Business
- Regional and International Immersion Program (Regional & International Study Tour)
- Data Science skills

SCM Departmental Events & Certification Programs list

Introduction to Statistics by using Python

Workshop on Industry Applications by using Python

Webinar on Digital Disruption by Dr. Madhavi Deshpande

Guest Lecture on "Discovering Fintech" by Mr. Suresh Kadam

One Day workshop on Advance Excel by Dr. Vijay

10-18th August 2023: Launchpad Program with various guest lectures & activities.

SCM Departmental Events & Certification Programs list

Celebrating ONAM with Pookalam Competition
Hands-On workshop on Python by Mr. Girish Pathak
Guest lecture “Instagram Alchemy” by Ms. Smruti Shelke
“Company Project Display”Academic Event - BBA-2021 students (Warehouse Management Subject)
German language Level 1 (BBA 2022)
Advanced Google Ad words Certifications
Hub Spot Certification
Online Certification for Analytics for SCM
Online Certification for ERP
Online Certification ITS / LEAN
Blueprint Certification
Blockchain Developer Training
Financial Reporting

School of Design

UX Design Workshop

The School of Design at DY Patil International University organized a one-day UX Design Workshop led by Mr. Darvinder Kocchar. The workshop aimed to introduce participants to the fundamental concepts and practical techniques of UX Design, offering valuable insights into creating intuitive and user-centric digital experiences.

Participation

The workshop was attended by B.Des students, who were eager to enhance their understanding and skills in UX Design. Attendance was mandatory, and students were required to sign their names on the attendance sheet maintained by their respective class representatives.



UI Design Workshop

Event Overview

The School of Design at DY Patil International University organized an exclusive 2-day UI Design Workshop led by Mr. Harshad Gholap. The workshop aimed to enhance the UI design skills of B.Des students through practical insights and hands-on activities.

Participation

The workshop was attended by B.Des students, who

actively participated in the online sessions. The event was free of charge, encouraging maximum participation.

Highlights:

• Expert Sessions

Day 1: Introduction to concept development in UI design and user-centered design principles.

Day 2: Iteration and prototyping techniques, along with project reviews and feedback.

Interactive Learning

- The sessions were highly interactive, with students engaging in discussions and activities.
- Participants had the opportunity to ask questions and receive personalized feedback from Mr. Gholap.

Additional Benefits

- **Participation Certificates:** Certificates were awarded to attendees who completed both days' activities and filled out the attendance cum feedback form.
- **Project Reviews:** Selected projects were reviewed by Mr. Gholap, providing valuable insights and suggestions.
- **Recorded Sessions:** The workshop sessions were recorded and made available for future reference.

Support and Coordination:

- The event was coordinated by Mr. Krishna Kumar, ensuring smooth organization and effective communication with participants.
- Faculty members provided support in promoting the event and assisting students with any technical issues during the online sessions.

Outcomes and Impact

- **Skill Enhancement:** Students gained practical knowledge and skills in UI design, which are essential for their academic and professional growth.
- **Professional Development:** The workshop contributed to the professional development of students, preparing them for future industry challenges.
- **Networking Opportunities:** Participants had the chance to connect with an industry expert, gaining insights and potential networking opportunities.

Exhibition of B.Des - Visit by Ms.Holly Wolfe from USA

Event Overview

The School of Design at DY Patil International University organized an exhibition to showcase the

Graphic Design work of B.Des students in anticipation of the visit by renowned artist Holly Wolfe from the USA. The exhibition aimed to display the students' creative projects and provide them with an opportunity to interact with an esteemed professional from the art and design industry.

Participation

The exhibition featured participation from both 2nd-year students (B.Des Batch 2022-26) and a select group of students who showcased their print and publication design works. The participating students included:

- Abhilasha Kalita
- Aditya Ghule
- Atharv Jadhav
- Khushi Munot
- Rhea Mane
- Tanish Basangar

Highlights

Print and Publication Design

- The exhibition focused on the students' projects in print and publication design.
- Various works were displayed, including magazine layouts, book covers, posters, and other printed materials, demonstrating the students' proficiency in visual communication and graphic design principles.

Interactive Session with Holly Wolfe

- Holly Wolfe's visit provided a unique opportunity for students to present their work and receive feedback from an international artist.
- An interactive session was organized where students could discuss their projects, gain insights, and explore future opportunities in the design field.

2nd-Year Students' Coursework:

- In addition to the featured projects, the 2nd-year students displayed their coursework on

softboards.

- This included a variety of assignments and projects, showcasing the breadth of skills and creativity within the cohort.

Support and Coordination:

- The event was coordinated by Mr. Krishna Kumar and Ms. Monika Sharma, who ensured the smooth organization and execution of the exhibition.
- Faculty members provided guidance and support to the students, helping them prepare their displays and presentations.

Outcomes and Impact

- **Exposure to Industry:** The interaction with Holly Wolfe offered students valuable exposure to industry standards and professional critique, enhancing their learning experience.
- **Skill Showcasing:** The exhibition allowed students to showcase their skills in print and publication design, gaining recognition for their hard work and creativity.
- **Motivation and Inspiration:** The opportunity to interact with a successful artist inspired and motivated students, encouraging them to pursue excellence in their design work.

School of Media and Journalism

Introduction

As today's media and communication industry is changing at lightning speed, a school of media and journalism should focus on a range of skills and topics to prepare students for the rapidly changing media landscape. That is why School of Media and Journalism (SMJ) at DYPIU focuses on providing students with the skills, knowledge, and ethical grounding they need to thrive in this era of new media. The Bachelor of Arts in Journalism and Mass Communication is a 4-year comprehensive and dynamic undergraduate honors program designed to equip students with the knowledge, skills, and ethical understanding necessary for a successful career in the ever-evolving field of Mass Media, Communication, and Journalism. This program provides a solid foundation for media principles, theories, and communication strategies, preparing students to navigate the complexities of the contemporary media landscape.

Events & Activities of the SMJ

Sr. No.	Name of Activity	Date	Co-Ordinated By
1	Guest Lecture by Freelance journo, Ms Varsha Torgalkar	28.08.2024	Prof. Kumud Das
2	Guest Lecture on Changing Paradigms & Career Prospects in Corporate Communication by Dr. Jaishri Jethwaney, Author&Sr. Research Fellow, ICSSR	30.04.2024	Dr. Shilpi Jha
3	Guest Lecture on Changing Media Landscape by Mr Arijit Sengupta (Chief Marketing and Communications Officer at NSE, Mumbai)	24-04-2024	Prof. Kumud Das
4	Guest Lecture on Cares Needed for Legal Reporting by Mr. Raj Dubey, Managing Partner, Dubey & Partners	18.03.2024	Prof. Kumud Das
5	Guest Lecture by filmmaker, Mr Prabhat Prabhakar	05.12.2023	Prof. Kumud Das
6	Guest Lecture by Rahul Kumar, News Editor, Times of India	15.02.2024	Prof. Kumud Das
7	Webinar on Investigative Reporting by Chandrani Banerjee	22.11.2023	Prof. Kumud Das
8	Educational tour to the National Film Archive of India (NFAI), Pune	03-11-2023	Prof. Sandeep Dongare
9	Guest Lecture by sociologist, Dr VK Lal	17-10-2023	Dr Pallavi Jha

School of Engineering

About SoE

Fourth Industrial Revolution, is the integration of advanced technologies such as artificial intelligence and robotics. This transformation demands a new breed of engineers equipped with interdisciplinary skills, particularly in the realm of robotics and automation. Demand for automated systems is skyrocketing across industries, from manufacturing and logistics to healthcare and agriculture. Graduates with expertise in electrical systems and robot design are vital for implementing and maintaining these technologies. Increasing environmental concerns create a strong demand for cleaner technologies like EVs. Graduates with this specialized knowledge can contribute significantly to sustainable solutions within the EV industry. DYPIU is at the forefront of education, offering innovative B.Tech and M.Tech programs tailored for the future of engineering. Recognizing the growing demand for skilled professionals in Industry 4.0 and the electric vehicle (EV) revolution, launched these specialized programs. Student Statistics (2023-24)

Enrollment Overview:

Total Enrollments: 1185

- B.Tech (CSE): 503
- BCA: 128
- MCA: 75
- Others: 479

Diversity Breakdown:

- **Categories:** SC: 8%, ST: 2%, OBC: 20%, EWS: 5%, General: 65%
- **Gender:** Male: 60%, Female: 40%
- **Geographic Representation:** 80% from Maharashtra, 20% from other states.

Visuals: Include pie charts and bar graphs showing enrollment trends and diversity.

Students Achievements

Sr. No.	Description	Achieved By	Date
1	Documentary Film 'Shilp Sidhhi' Selected for Golden FEMI Film Festival, 2024 in Bulgaria	Yashwini Chandekar	June 4, 2024
2	Documentary Film : Ninety Four Seven (94.7). 2nd Rank in the '9th COMMUNITY RADIO VIDEO CHALLENGE 2022' with 30,000/- cash prize	Samrudhhi Dahiwalé	February 20, 2024
3	Received the National Young Achievers Award 2023, conferred by the Public Relations Council of India (PRCI).	Ms. Adhyasmriti Prasad	November 25, 2023
4	Received the National Level Kautilya Award 2023, conferred by the Public Relations Council of India (PRCI).	Ms. Stuti Bhat	November 25, 2023

Students Achievements

5	Participated in cricket match preview discussion on News24 TV channel	Saksham Khadhavo	December 20,2023
6	Short film created by students from the School of Media and Journalism chosen one of the top 100 films in the Indian Film Project	Students: Ved Ghulghule, the Director, and Writer, was joined by Akshit Singh, the Cinematographer, Shweta Ram, the Editor, Arushi Mishra, the Cast, and Aadesh Salunke, the Production Manager.	January 13,2024

Research and Publications

Key Research Projects:

- Project SANLAYAN: Advancing Nuclear Fusion technology for clean energy.
- Project Sushrusha: Integrating traditional and modern healthcare for chronic diseases.
- Project Mastishka: Brain-computer interfaces

for education and healthcare.

Faculty Achievements:

Total Publications: 145

Journals: 85 (Scopus Indexed: 65)

Conferences: 60

Patents Filed: 8

Faculty Achievements

Sr. No.	Description	Achieved By	Date
1	Hosted 9th India International Science Festival organized by various scientific departments of Govt. of India	Prof. Maan Bardhan Kanth	17th January, 2024
2	Participated as an expert in the panel discussion on "Creative Science Communication through Films, Podcasts & Social Media – Amplifying the Reach" organised by the Department of Science and Technology, Govt. of India.	Prof. Maan Bardhan Kanth	19-Jan-24
3	Hosted National Science Day at Vigyan Bhavan, Delhi, organized by the Department of Science and Technology, Government of India.	Prof. Maan Bardhan Kanth	28th February, 2024
4	SMJ faculty attended 5-day FDP which was conducted by Symbiosis (Deemed) University, Pune	Prof Sandeep Dongare	24-28 June, 2024
5	SMJ faculty attended 5-day FDP which was conducted by Symbiosis (Deemed) University, Pune	Prof Kumud Das	24-28 June, 2024
6	Article on semiconductor published in Education Times by The Times of India	Prof Kumud Das	27-05-2024
7	Article o inflated bills, ghost hospitals. published in ET Prime	Prof Kumud Das	21-09-2024

Faculty Achievements

8	Article on IRDAI published in ET Prime	Prof Kumud Das	25-10-2024
9	Article on Red Sea Crisis published in ET Prime	Prof Kumud Das	25-01-2024
10	Article on Kathy saw Rupaben published in ET Prime	Prof Kumud Das	18-06-2024

Patent Publication Details:

S.No	Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patent Awarding Agency	Link
1	Mr. Dinesh Kumar Dr. Sudhir Kumar	IN202321081254	22-12-2023 (F)	Indian Patent Office	https://drive.google.com/file/d/1yf-redCoPD2gRfEW1J2T6FHmUPr4-ceUR/view?usp=sharing
2	Dr. Sudhir Kumar Mr. Dinesh Kumar	IN202321061808	20-10-2023 (F)	Indian Patent Office	https://drive.google.com/file/d/1w5rDNOqLYpFao5A_hvJfirumADrMZoQx/view?usp=sharing
3	Mr. Dinesh Kumar Dr. Swapnil Bhurat Dr. Gaurav Singh Dr. Sudhir Kumar	410845-001	10-05-2024	Indian Patent Office	https://drive.google.com/file/d/15mMzgd3He6d2_XeOmsr42yX_Tj3OF1Mf/view?usp=sharing
4	Dr. Sudhir Kumar Mr. Dinesh Kumar	401577-001	22-03-2024	Indian Patent Office	https://drive.google.com/file/d/1fk6puAckUZ16m6nj7xbR7gEYO2vBim1r/view?usp=sharing
5	Mr. Dinesh Kumar Dr. Swapnil Bhurat Dr. Gaurav Singh Dr. Sudhir Kumar	411140-001	02-08-2024	Indian Patent Office	https://drive.google.com/file/d/1saDMX4BaymYC69IDCa9jNPbjD2wVCbC2/view?usp=sharing
6	Mr. Dinesh Kumar Dr. Swapnil Bhurat Dr. Gaurav Singh Dr. Sudhir Kumar	418777-001	19-07-2024	Indian Patent Office	https://drive.google.com/file/d/1oJ5kQ5hXL6E-eg5GtfvTRhXfdR2qJJRq/view?usp=sharing

Publication Details:

S.No	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Link to article/paper/abstract of the article
1	Effect of chemical, physical, and biological pre-treatment of food wastes on bio-hydrogen production by dark anaerobic fermentation under mesophilic conditions	Dr. Swapnil Bhurat	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2023	1556-7230	https://doi.org/10.1080/15567036.2023.2174615

Publication Details:

2	Experimental evaluation of diesel blends mixed with municipal plastic waste pyrolysis oil on performance and emission characteristics of CI engine	Dr. Swap	Case Studies in Thermal Engineering	2023	2214-157X	https://doi.org/10.1016/j.csite.2023.103074
3	Design and implementation of hybrid MPPT controller for FC based EV system with boost DC-DC converter	Dr. Rajen	Journal of Intelligent & Fuzzy Systems	2023	1875-8967	https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs224007
4	Framework for Smart Grid to implement a price elasticity based Peak Time Rebate Demand Response program	Dr. Rajen	Frontiers in Energy Research	2023	2296-598X	10.3389/fenrg.2022.1079695
5	Application of DSO Algorithm for estimating of triple diode model based solar PV system	Dr. Rajen	Nature, Scientific Reports	2024	2045-2322	https://www.nature.com/articles/s41598-024-53582-3
6	Mechanical, morphological, and dimensional properties of heat-treated fused deposition modeling printed polymeric matrix of polyethylene terephthalate glycol	Dr. Sudhir Kumar and Dinesh Kumar	Progress in Rubber, Plastics and Recycling Technology	2024	1478-2413	https://doi.org/10.1177/14777606231218354
7	An insight on optimization of FSP process parameters for the preparation of AA5083/(SiC-Gr) hybrid surface composites using the response surface methodology	Dr. Sudhir Kumar	Composites and Advanced Materials	2023	2634-9833	https://doi.org/10.1177/26349833231186162
8	Mechanical, morphological, and dimensional properties of heat-treated fused deposition modeling printed polymeric matrix of polyethylene terephthalate glycol	Dr. Sudhir Kumar and Dinesh Kumar	Progress in Rubber, Plastics and Recycling Technology	2023	1478-2413	https://doi.org/10.1177/14777606231218354
9	A Review of Recent Developments in Friction Stir Welding for Various Industrial Applications	Dr. Sudhir Kumar and Dinesh Kumar	Journal of Marine sciences and Engineering	2023	2077-1312	https://doi.org/10.3390/jmse12010071

Book Chapter Details:

Sr. No.	Name of the teacher	Title of the book published	Title of the chapters published	Year of publication	ISBN number	Name of the publisher	DOI
1	Dr. Swapnil Bhurat	Renewable Energy Innovations: Biofuels, Solar, and Other Technologies	Greenhouse Gas (GHG) Emissions and Its Mitigation Technology in Transportation Sector	2023	9.78E + 12	Wiley	https://doi.org/10.1002/9781119785712.ch6
2	Dr. Swapnil Bhurat	Renewable Energy Innovations: Biofuels, Solar, and Other Technologies	Algae Biofuels: A Promising Fuel of the Transport Sector	2023	9.78E + 12	Wiley	https://www.oreilly.com/library/view/renewable-energy-innovations/9781119785675/c11.xhtml

Visuals: Bar graphs for publication growth and pie charts for patent categories.

Infrastructure and Facilities

Campus Highlights:

Central Library:

- Resources: 2.35 lakh e-books, 55,000 journals, e-theses, and magazines.
- Facilities: Borrowing Kindle devices, plagiarism detection software, and 3D printers.

Laboratories:

- AI and Robotics Labs, IoT Innovation Centers, and Bioscience Labs.

Sports and Recreation:

- Sports complexes, cultural activity centers, and wellness zones.

Visuals: High-resolution images of facilities and an infographic summarizing amenities.

Achievements and Awards

University Recognitions:

- Most Impactful International University of the Year 2023.
- Consistently ranked among the top 10 private universities in Maharashtra.

Student Achievements:

- Documentary "Shilp Siddhi": Selected for Golden FEMI Film Festival, Bulgaria.
- Academic Competitions: Secured top spots in national coding and research challenges.

Faculty Achievements:

- Hosted major academic and cultural events at the national level.
- Published articles in leading international journals.

Placements and Internships

Key Statistics:

- Highest Package: INR 25 LPA
- Average Package: INR 8.5 LPA
- Total Companies: 150+ visiting the campus

Top Recruiters: Infosys, TCS, Wipro, Accenture, Capgemini, and others.

Placement Readiness Programmes

A.Y. 2023 - 2024

Sr. No.	Name & Designation of Speaker	Topic	Date	Branch & Year	No. of Students Benefited
1	Niyati Mahajan Manali Kulkarni Soft Skills Trainer & Image Consultant	2 Days Workshop on Employability Skills in association with Rubicon	15th April 2024	BBA/MBA/ B.Design Pre-Final & Final Year	91
2	Vishal Rampalle HR Head, TCS	Pre-placement Session of TCS	8th April 2024	B.Tech (CS)/ MCA (Final Year)	8
3	Dr KARTHIGEYAN Head -Education Division CII Logistics Centre of Excellence	Roadmap to Logistics & Sipplu Chain Career Pathways	13th March 2024	BBA / MBA (DB) Pre-Final & Final Year	122
4	Aniket Bapat Head of Engg & Operations Tecknomindz	Industrial Seminar on Embedded System with IOT	20th Feb 2024	B.Tech (CS)/ MCA Pre-Final Year	60
5	Major General Sandeep Sharma, Advisor (Scientific), NTRO	NTRO Internship Opportunity	21st Dec 2024	B.Tech (CS)/ MCA Pre-Final & Final Year	91
6	Jash Raval Senior Recruiting Analyst Accenture	Industry Expectations from Freshers	28th Novemb er 2023	B.Design	25
7	Sunil Chaudhari Founder & CEO	Pre Placement Talk of Competent Systems	24th Novemb er 2023	B.Tech Bioengg./ M.Sc Medical Biotechnology Final Year	37
8	Dr. Satya Saste Founder & CEO of Stealth Mode Fintech Startup	Expert Session on Careers in Analytics/ Finance Sector	24th Novemb er 2023	BBA/MBA Final Year	29
9	Vijay Ramaswamy Japanese language trainer	Certification courses in Japanese Language	23rd Novemb er 2023	All Programmes	25

Placement Readiness Programmes

A.Y. 2023 - 2024

10	Heena Kumari, Soft Skill Trainer, MentorKart	Nut & Bolt to land up in First Job - For Fresh Talent	4th November 2023	All Programmes	16
11	Amruta Moonkar, Leadership Trainer, Rubicon	2 Days Workshop on Employability Skills in association with Rubicon	16th & 17th Oct 2023	MBA (DB) Final Year	25
12	Dr. Shrikant P. Pawar , General Manager (R&D) Serology & Microbiome	"Skill enhancement in the post covid era"	13th Oct 2023	B.Tech (CS)/ MCA (Final Year)	90
13	ServiceNow certified trainers of DYPIU Dr. Sarika Jadhav Mrs.Vaishali Kumar Mrs. Maya Pisal	Orientation of ServiceNow certification training	9th Oct 2023	B.Tech (CS)/BCA/ MCA (Final Year)	97
14	Roger Douglas Saint Martins University. Vanessa Vandiver Saint Mary's College of California	Study abroad counselling workshop	9th Oct 2023	All Programmes	66
15	Aditya Goyal Manager, Pod.ai	<u>Pod.ai Skill Check Assessment</u>	30th Sept 2023	B.Tech (CS)/ MCA (Final Year)	124
16	Mr Sunil Nagpal Senior Scientist, Microbiome R&D - TCS Research	"Bioinformatics and Computational Biology"	29th Sept 2023	B.Tech Bioengg./ <u>M.Sc Medical Biotechnology</u>	65
17	Kapil Waghmare Associate, Aon	Aon Cocubes Employability Assessment	8th Sept 2023	B.Tech (CS)/ MCA (Final Year)	188
18	Heena Kumari, Soft Skill Trainer, MentorKart	Creafing Your Professional Identity: A Session On Resume Building	6th Sept 2023	B.Tech (CS)/ BCA/ MCA (Final Year)	21
19	Aniruddha Bhagwat CEO, Ideosphere Himanish Bajaj Associate Data Scientist Josh Software	Prose & Code Session Topic:1 'Consequence of a Message' Topic:2 'Virtual Intelligence'	24th August 2023	B.Tech (CS)/ MCA (Final Year)	53

Placement Readiness Programmes

A.Y. 2023 - 2024

20	Harpreet Singh Co-Founder and MD Shailesh Tiwari Executive Director Rubina Ansari Sr. Lead TA & Admin	Pre Placement Talk of ProcDNA	17th August 2023	B.Tech (CS) (Final Year)	23
21	Mr. Amit Prabhu, Co-Founder of Talent Battle Mr. Ajinkya Kulkarni, Co-Founder of Talent Battle	Placement Readiness Session for upcoming opportunities	2nd August 2023	B.Tech (CS)/ MCA (Final Year)	12
22	Gautam Velhankar Director (OPS), India Amrit Brar Assistant Manager – Human Resources Ankita Kadam Senior Executive – Human Resources	Pre Placement Talk of Stonewain Systems	2nd August 2023	B.Tech (CS)(Final Year)	33
23	Ashutosh Deshmukh, Director, Adintecha	Technical Question during Personal Interview	31st July 2023	B.Tech (CS)/ MCA (Final Year)	10
24	Mr. Hanmantrao Gaikwad, Founder, Chairman & MD, BVG India Limited	"30th Entrepreneur's Day"	29th July 2023	All Programmes	--



Aon's CoCubes Employability Assessment for B.Tech CSE & MCA for Final year students



Industrial Seminar on Embedded System with IOT for B.Tech CSE & MCA for Pre-final year students



Session on NTRO Internship Opportunity for B.Tech CSE & MCA for Pre-final year & Final year students



Expert Session on Careers in Analytics/ Finance Sector for BBA/MBA Pre-final year & Final year students



Employability Enhancement Activities

List of students placed in industry – 2024 batch

Name of the Student	Programme	Placed In	Package (LPA)
Ved Richhariya	B.Design	Accenture	8.42
Bhoomika Shailendra Nawa	B.Design	Accenture	8.42
Akriti Kher	B.Design	Accenture	8.42
Abin Eldho	B.Design	Dealermatix	8
Anand B	B.Design	Aetrone Aerospace	3.5
Shobhit Jakotra	B.Design	Immortal Varta	4.56
Mayuri Patil	B.Design	Experiential Events	3
Tanaya Anand Deodhar	B.Design	Capgemini	4
Arohi Bambalkar	B.Design	Orbiz Analytics India Pvt Ltd	8.15
Jaya Kothari	B.Tech BioEngg	GRG Health	3.3
Pritam Wanve	B.Tech BioEngg	True Elements	1.8
Abhishek Bharat Parmar	B.Tech BioEngg	Innovation Technologies	4
Vaishnavi Said	B.Tech BioEngg	Incredible AM Pvt. Ltd.	3
Aman Bhatia	B.Tech CSE	Zensoft Services Pvt. Ltd	4.5
Anish Tiwari	B.Tech CSE	Zensoft Services Pvt. Ltd	4.5
Sunidhi Chopada	B.Tech CSE	Zensoft Services Pvt. Ltd	4.5
Divyansh Singh Tomar	B.Tech CSE	Kalyani Group	4
Jayant Vijay	B.Tech CSE	Arihant Capital	12.5
Kiran Yadav	B.Tech CSE	Devtron	5
Yashica Garg	B.Tech CSE	Byteridge	6.5
Aditya Ambre	B.Tech CSE	Byteridge	6.5
Amit Turare	B.Tech CSE	Fundsroom	6.5
Pratik Chavan	B.Tech CSE	Handa Heavy Industries	18
Hrishikumar Gostu	B.Tech CSE	Umrahme	7
Prathmesh Dhas	B.Tech CSE	Tech Mahindra	3.25
Jay Pithadia	B.Tech CSE	Tech Mahindra	3.25
Allen George	B.Tech CSE	Emcure Pharma	5
Komal Kumari	B.Tech CSE	Emcure Pharma	5
Abhijit V Barkul	B.Tech CSE	Chegg India	3.6
Abhishek Yadav	B.Tech CSE	Chegg India	3.6
Aditya Sawant	B.Tech CSE	Chegg India	3.6
Aishwarya Patil	B.Tech CSE	Chegg India	3.6
Allen George	B.Tech CSE	Chegg India	3.6
Harsh Kishore	B.Tech CSE	Chegg India	3.6
Nikita Mali	B.Tech CSE	Chegg India	3.6
Shivam Bhorde	B.Tech CSE	Chegg India	3.6
Tushar Islampure	B.Tech CSE	Chegg India	3.6
Harsh	B.Tech CSE	Chegg India	3.6
Prathmesh Bamb	B.Tech CSE	Chegg India	3.6
Vaibhav Ugile	B.Tech CSE	Chegg India	3.6
Harsh	B.Tech CSE	ExcelR	3
Prathamesh Shailendra More	B.Tech CSE	ExcelR	3

Employability Enhancement Activities

List of students placed in industry – 2024 batch

Riddhi Vikas Bhosale	B.Tech CSE	ExcelR	3
Muskan Bhalla	B.Tech CSE	ExcelR	3
Harsh Nandan Kishore	B.Tech CSE	ExcelR	3
Hrushikesh Gaikwad	B.Tech CSE	Aditi Automation	3
Parth Sumbre	B.Tech CSE	Security Boat	4
Manasvi Bhandekar	B.Tech CSE	Bosch Chassis Systems	4.5
Yukti Chaudhari	B.Tech CSE	Dassault Systèmes	10
Baran Shankar	B.Tech CSE	GenIntel Technologies	6
Harsh	B.Tech CSE	Planet Spark	6.36
Tuhinika Ghosh	B.Tech CSE	Planet Spark	6.5
Hitesh Choudhari	B.Tech CSE	Zepto (Talent Stock)	3
Amit Turare	B.Tech CSE	Coditas	4.5
Bhavesh Morankar	B.Tech CSE	Freecharge Payments	4.5
Umar Momin	B.Tech CSE	HCL Tech Ltd	6
Riddhi Vikas Bhosale	B.Tech CSE	Capgemini	4
Manasi Anil Kamble	B.Tech CSE	Capgemini	4
Sanjana Sandesh Jadhav	B.Tech CSE	Capgemini	4
Abhishek Yadav	B.Tech CSE	Tata Consultancy Services	3.53
Devansh Shukla	B.Tech CSE	Tata Consultancy Services	3.53
Utkarsh Bhangale	B.Tech CSE	Tata Consultancy Services	3.53
Harsh	B.Tech CSE	Tata Consultancy Services	7.3
Nikita Mali	B.Tech CSE	Vyaparify	4.5
Tejas Kishor Sharma	B.Tech CSE	Indian Army	12
Tuhinika Ghosh	B.Tech CSE	Uhlmann India Pvt. Ltd.	12
Sunidhi Chopada	B.Tech CSE	Uhlmann India Pvt. Ltd.	12
Chaitanya Dnyaneshwar	B.Tech CSE	TechSum Digital Solution	3.2
Devesh Anil Madhavi	B.Tech CSE	Orient Fan	8
Swechchha Singh	BA JMC	News 24	3
Ananya Katti	BA JMC	Wise Crow Media	3.24
Sakshi Sahare	BA JMC	Wise Crow Media	3
Vishakha Dhanjani	BBA	Oorjaa.tech	4.3
Kawan Suryawanshi	BBA	Oorjaa.tech	4.3
Moksha Jain	BBA	Synergy Navis Marine	4
Aditya Singh	BBA	Refrens Internet	3.72
Tanishq Dixit	BBA	ERP Buddies	2.52
Tanuja	BBA	Magna Automotive India Pvt Ltd.	1.8
Tanishq Dixit	BBA	Magna Automotive India Pvt Ltd.	1.8
Bhirav Dhanja	BBA	Magna Automotive India Pvt Ltd.	1.8
Akshita Maheshwari	BBA	Apex Fund Services	4
Kruti Bakraniya	BBA	Apex Fund Services	4

Employability Enhancement Activities

List of students placed in industry – 2024 batch

Vivek Mangal Patil	BBA	Apex Fund Services	4
Dev Raj	BBA	Vcheck Global	5
Ishika Ashok Choudhary	BBA	Vcheck Global	5
Shrushti Balasaheb Patil	BBA	Vcheck Global	5
Siddharth Shukla	BBA	Web Link Services Pvt. Ltd.	4.4
Roson Raj Singh	BBA	MartLenz Research Private Limited	3.3
Rushikesh Vyankat Totre	BBA	Vyaparify	2
KHUSHI MALHOTRA	BBA	FINXL	3
Prachi Amit Nagada	BBA	Aer Media Pvt Ltd (Big Influence)	3
Lisha Kant	BCA	TCS	1.9
Shruti Salunkhe	BCA	TCS	1.9
Soham Shah	BCA	Intellipaate Software Solutions	7.25
Navneet Jha	BCA	Planet Spark	6.5
Om Kumar Singh	BCA	Planet Spark	6.5
Anuja Vinod Agarkar	BCA	Accenture	3.2
Mauskan Jakir Shaikh	BCA	Amazon India	2.75
Avinashkumar singh	BCA	Jade Global Solutions	3.25
Abhilasha Tikone	MBA	BNY Mellon	10.2
Pratiksha Daundkar	MBA	Axa Global Business Solutions	4.5
Prerna Bhorde	MBA	Axa Global Business Solutions	4.5
Neerav Chhabhaiya	MBA	Axa Global Business Solutions	4.5
Aboli Nalawade	MBA	Skolar Edtech	6
Atharva Phale	MBA	Skolar Edtech	6
Pravinkumar Singh	MBA	Skolar Edtech	6
Prachi Ruchandani	MBA	Team Global Logistics	3.06
Aboli Nalawade	MBA	Team Global Logistics	4.25
Palak Kodwani	MBA	Team Global Logistics	4.25
Sanika Dhurve	MBA	CNH Industrial India Pvt Ltd	2.4
Gufran Shaikh	MBA	Apex Fund Services	4
Anjali Waghmare	MBA	Mintnovate Market Research	3
Atharv Phale	MBA	Planet Spark	6.5
Atharv Phale	MBA	Vivish Technologies	7.8
Ashatosh Adinath garje	MBA	Hicell	4
Neha Patil	MCA	Tech Mahindra	3.25
Samarth Math	MCA	IndexNine	5.5
Kamna Singh	MCA	ExcelR	3
Meghna Soni	MCA	ExcelR	3
Feni Rudani	MCA	ExcelR	3

Employability Enhancement Activities

List of students placed in industry – 2024 batch

Aishwarya Satpute	MCA	Thirumoolar Software	4.2
Pratik Samabhaji Ghute	MCA	Pivotchain Solution Technologies	2.4
Aditya Thorat	MCA	Borm Bruckmeier	5
Khushboo Gupta	MCA	Gulfnet Singapore Pte. Ltd., Singapore	37
Neha Bajirao Patil	MCA	Capgemini	4
Aditya Santosh Thorat	MCA	Tata Consultancy Services	7.3
Neha Samir Palande	MCA	Tata Consultancy Services	3.53
Sneha Pachumbre	MCA	Tata Consultancy Services	7.3
Prawaja Sanjay Lagad	MCA	Eclerx	3
Tejas Sandeep Narwade	MCA	Ondirect Marketing Services (XDBS)	2.8
Divesh B Jadhwal	MCA	P C University	4
Ishwar Bundeale	MCA	Tech Mahindra	2.7
Pranil Anil Choudhari	MCA	IndexNine	5.5
Kamna Singh	MCA	Event DTL	1.8
Meghna Soni	MCA	Tech Mahindra	2.7
Vaishnavi Shrikant Takalikar	MCA	Capgemini	4.25
Nikhil Vitthal Manadhare	MCA	Altisec Pvt	4
Suraj Kumar	MCA	High Street Tech	2.9
Krishna Kant Kumar	MCA	Tech Mahindra	2.4
Krupali Upadhyay	MCA	eClerx	6.5
Kunal Anil Chavan	MSc MB	National Centre For Cell Science	3.2

Our Prominent Recruiters

Our Prominent Recruiters

Sr. No.	Name of Company	Sr. No.	Name of Company	Sr. No.	Name of Company
1	Accenture	41	Hitachi Vantara	81	Raja Software
2	Accolite Digital	42	iAsys Technology	82	RBL Bank
3	Aloha Technology	43	IBM	83	Recruit CRM
4	Amazon India	44	IDFY	84	Reed & Willow
5	APEX Group	45	IGT Solutions	85	Reliance Jio
6	Atica Global	46	Indus Valley Partners	86	Rockwell Automation
7	Atos	47	Infosys Technologies	87	rtCamp
8	AXA Soutlions	48	Insights Success Media & Technology	88	Rudder Analytics
9	Bennett, Coleman & Co	49	Johnsons Control	89	SAS Research
10	Bentley Systems	50	Josh Softwares	90	SchbangQ
11	Bitwise	51	JusPay	91	Sellability
12	Blue Dart Express	52	KPIT Technologies	92	Simplify VMS Workforce
13	Blue Flame Labs	53	Kylas	93	Softlink
14	Bluebinaries	54	L & T Infotech	94	Springer Nature
15	Börm Bruckmeier Infotech	55	Labcorp Drug Development	95	Stonewain Systems
16	BOSCH Chasis Systems (I) Ltd.	56	Lentra	96	Syntel
17	Capgemini	57	Lenze India	97	Tata Communications
18	Cimpress India	58	LOKMAT Media	98	Tata Consultancy services
19	Cloud4C	59	LTIMindtree	99	TATA ELXSI
20	Cognizant Tehnology Solutions	60	Mastek	100	Tata Motors
21	Concentrix	61	Meticulous Research	101	Tcules
22	Condé Nast	62	Mintnovate	102	Tech Mahindra
23	Constrologix	63	Mphasis	103	TechVerito
24	Corner Stone	64	Mylab Discovery Solutions	104	Tejas Network
25	Cybage Software	65	nCircle	105	Thoughtworks
26	Darwinbox	66	ND Studios	106	Umrahme
27	Dassault Systems	67	Neeyamo Enterprise	107	UST Product Engineering
28	Devtron Inc	68	Neilsoft	108	Value Labs
29	eClerx	69	Newgen Software	109	Veritas
30	e-Emphasys	70	NielsenIQ	110	Verolt
31	Equip9	71	Nitor Infotech	111	Wajooba
32	ExtraaEdge Technology	72	NJ Group	112	Whizible
33	EY GDS	73	NTT Data	113	Wipro Technologies
34	Fineshift Software	74	nVIDIA	114	Wolters Kluwer
35	Firstcry.com	75	OPPO Mobiles	115	Worldline India
36	Fiserv	76	Paperpedia	116	Xoriant Technologies
37	Godrej & Boyce	77	Persistent Systems	117	Xperi
38	Gridlogics Technologies	78	Pi Techniques	118	Zensar Technologies
39	Hewlett Packard	79	Pragmasys	119	ZS Associates
40	Hexaware Technologies	80	Progneur Technologies	120	Zscaler

Our Recruiters



National Services Scheme (NSS) Activities Report

Eco – Friendly Ganpati Idol Making Competition

In alignment with our commitment to sustainability and environmental consciousness, the NSS (National Service Scheme) Unit of DYPIU organized an “Eco-friendly Ganpati Idol Making Competition” on 5th September, 2024. The competition aimed to promote the creation of Ganesh idols using natural, biodegradable, and non-toxic materials, thereby encouraging students to celebrate the Ganesh festival in an eco-friendly manner. This initiative was undertaken to raise awareness about the harmful effects of plaster-of-Paris (PoP) idols and synthetic paints, which are detrimental to water bodies and aquatic life.

Date of Competition: 5th September, 2024

Location: Poshan Plaza, 5th Floor, J – Block, DYPIU.

Timing: 3 p.m. to 6 p.m.

Number of Participants: 170

Chief Guest: Prof. Jaiprakash G. Kalwale, Principal (I/C), M.F.A

Eco – Friendly Ganpati Idol Making Competition Photos



राष्ट्रीय सेवा योजना
National Service Scheme
युवा कार्यक्रम और खेल मंत्रालय
Ministry of Youth Affairs and Sports
भारत सरकार
Government of India



D Y PATIL
INTERNATIONAL
UNIVERSITY
AKURDI PUNE



Eco – Friendly Ganapati Idol Making Competition Photos



Food Package Distribution at Dadanchi Shala Orphanage School

The DYPIU National Service Scheme (NSS) Unit actively participated in “Food Packages Distribution to Children at Dadanchi Shala Orphanage School”. This initiative aimed at providing nutritional support vulnerable children living in orphanages, ensuring that they receive essential food supplies to meet their dietary needs.

- Date of the campaign: **7th August 2024**
- Total number of food packages distributed: **148**

The National Service Scheme (NSS) plays a pivotal role in serving society through volunteer work, particularly in supporting vulnerable groups. One such recent initiative was the successful food

distribution program carried out by NSS volunteers at the Dadanchi Shala Orphanage School. This report highlights the activities, planning, and impact of the food distribution program led by NSS, aimed at providing nutrition and care for the children residing at the school.

Food Package Distribution to Children at Dadanchi Shala Orphanage School Photos



राष्ट्रीय सेवा योजना
National Service Scheme
युवा कार्यक्रम और खेल मंत्रालय
Ministry of Youth Affairs and Sports
भारत सरकार
Government of India



Food Package Distribution to Children at Dadanchi Shala Orphanage School Photos



Ganesha Visarjan – NSS as ‘Police Friends’



राष्ट्रीय सेवा योजना
National Service Scheme
युवा कार्यक्रम और खेल मंत्रालय
Ministry of Youth Affairs and Sports
भारत सरकार
Government of India

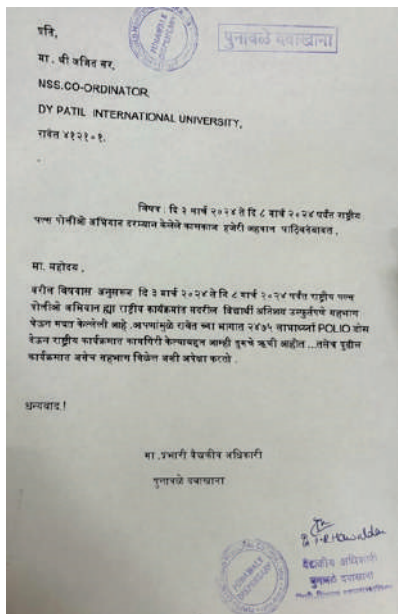


Pulse Polio Drive Participation

The DYPIU National Service Scheme (NSS) actively participated in the Pulse Polio Drive Campaign, aiming to eradicate polio and ensure that every child under five years of age receives polio vaccination.

Date: 3rd March to 8th March 2024. (6 Days)

Students Participated: 20



Appreciation letter from PCMC

National Pulse Polio Immunisation Campaign 2024



राष्ट्रीय सेवा योजना
National Service Scheme
युवा कार्यक्रम और खेल मंत्रालय
Ministry of Youth Affairs and Sports
भारत सरकार
Government of India

Pulse Polio Vaccination Campaign



National Pulse Polio Immunization Campaign 2024
Two drops every time defeats polio every time



DYPIU Annual Sports Events 2023

West Zone Inter University Kabaddi (Men) Team

Name of the Event : West Zone Inter University Kabaddi (Men) Tournament 2024-25

Hosting University : Shri. J. J. T. University, Jhunjhunu (Raj)

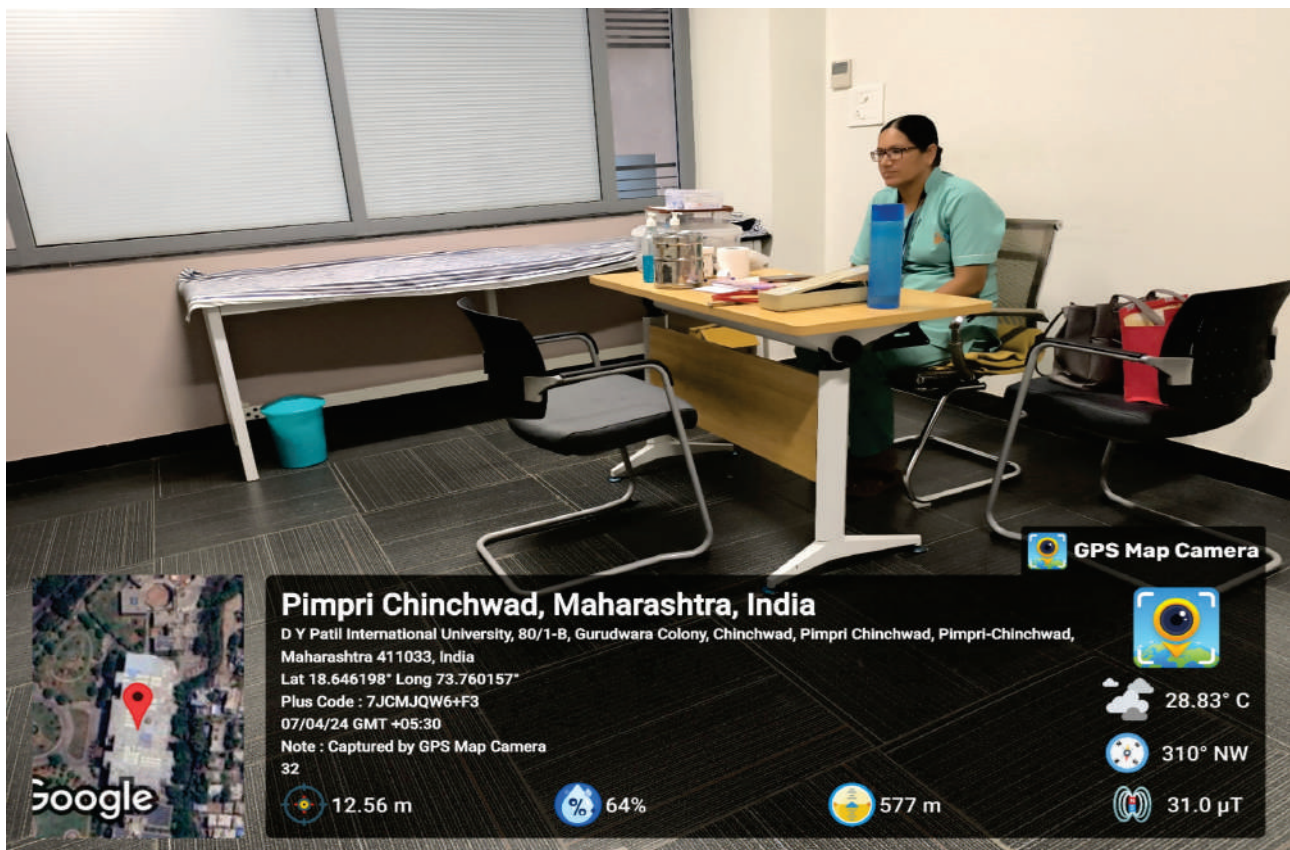
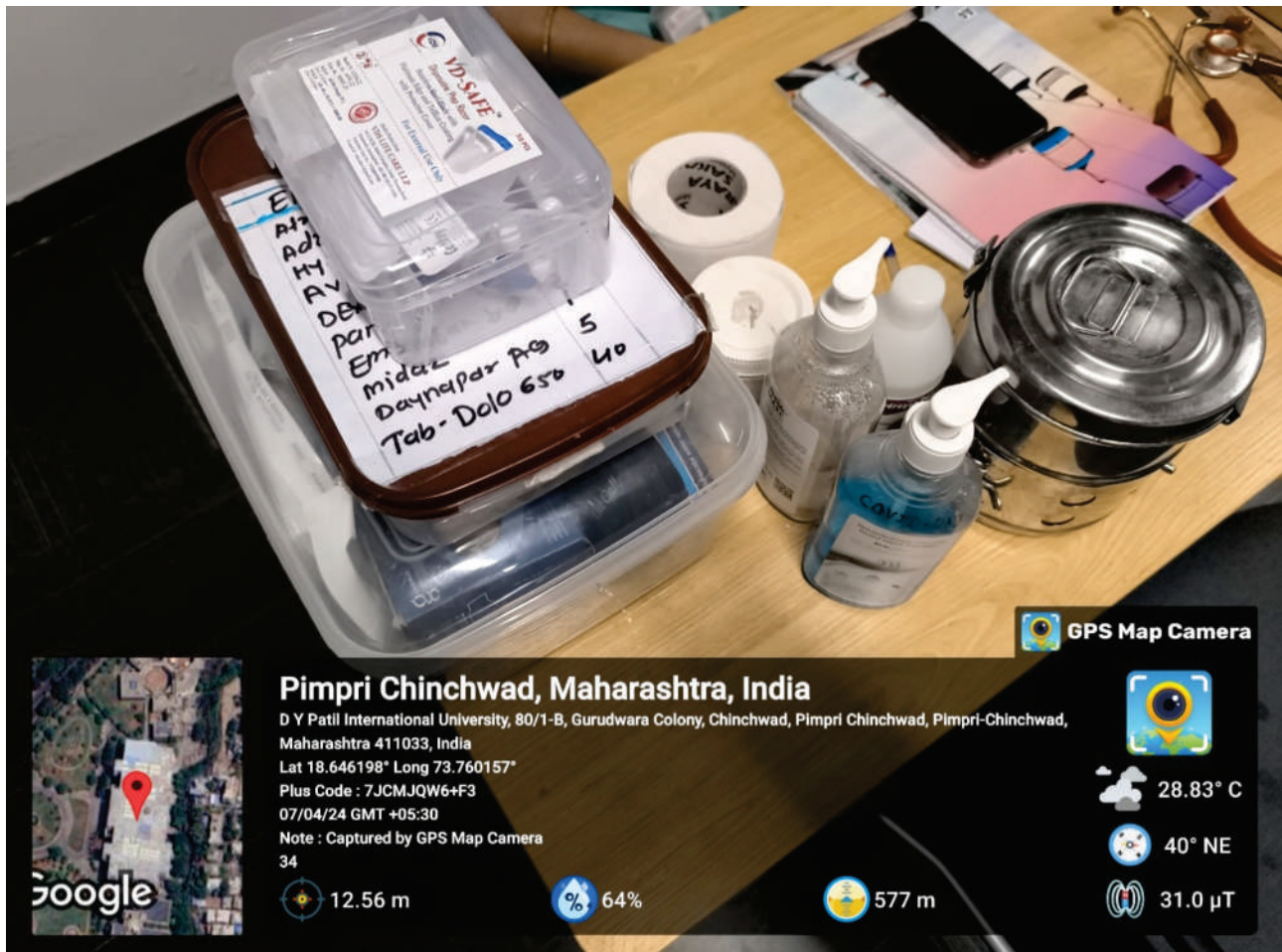
Duration : 19th – 23rd October 2024

Number of players : 12

Players List

Sr. No	Student Name	PRN	School Name (Course Name)	Year
1	Allenki Charan Sai	20210802135	SCSEA (BTECH CSE)	4th Year
2	Soham Chordiya	20230305024	SCM (MBA)	2nd year
3	Ritesh Bhujbal	20240305043	SCM (MBA)	1st year
4	Aditya Jadhav	20210802293	SCSEA (BTECH CSE)	4th Year
5	Yaman Singh	20220802310	SCSEA (BTECH CSE)	3rd Year
6	Shivraj Labde	20230301069	SCM (BBA)	2nd Year
7	Umar Shaikh	20230301124	SCM (BBA)	2nd year
8	Pranav Swami	20230301024	SCM (BBA)	2nd year
9	Aniket Dhumal	20230802484	SCSEA (BTech CSE)	2nd year
10	Chaitanya Bhosale	20230802493	SCSEA (BTECH CSE)	2nd Year
11	Bhavesh Patil	20220301030	SCM (BBA)	3rd Year
12	Sushant Babar	20220802375	SCSEA (BTech CSE)	3rd Year

Health Care Facilities At DYPIU



7TH ANNUAL REPORT

2023 - 2024

D. Y. PATIL INTERNATIONAL
UNIVERSITY, PUNE
SECTOR 29, NIGDI PRADHIKARAN, AKURDI,
PUNE - 411 044.

INDEPENDENT AUDITORS' REPORT

To,
The Managing Council,
D. Y. PATIL INTERNATIONAL UNIVERSITY
Pune.

1. OPINION.

We have audited the standalone financial statements of **D. Y. PATIL INTERNATIONAL UNIVERSITY, PUNE**, which comprises the Balance Sheet as at March 31, 2024, the Income & Expenditure Statement for the year then ended, including a summary of significant accounting policies and other explanatory information.

In our opinion and to the best of our information and according to the explanations given to us the financial statements give a true and fair view in conformity with the accounting principles generally accepted in India,

- a. In the case of the Balance Sheet of the State of Affairs as at 31-March-2024 and
- b. In the case of the Income and Expenditure Account of the Surplus for the year ended as on that date.

2. BASIS OF OPINION

We conducted our audit in accordance with the Standards on Auditing (SAs). Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the University in accordance with the Code of Ethics issued by the Institute of Chartered Accountants of India together with the ethical requirements that are relevant to our audit of the financial statements under the provisions of the D. Y. Patil International University, Pune, Act, 2017 and the Rules there under, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.



- 2 -

3. RESPONSIBILITIES OF MANAGEMENT AND THOSE CHARGED WITH GOVERNANCE FOR THE STANDALONE FINANCIAL STATEMENTS

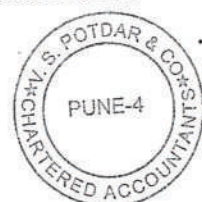
The Managing Council is responsible for the preparation of these financial statements that gives a true and fair view of the financial position and financial performance of the University in accordance with the accounting principles generally accepted in India. This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding of the assets of the Company and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the University's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the management either intends to liquidate the University or to cease operations, or has no realistic alternative but to do so.

Those Management council are also responsible for overseeing the company's financial reporting process.

4. AUDITOR'S RESPONSIBILITIES FOR THE AUDIT OF THE FINANCIAL STATEMENTS

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.



... 3

- 3 -

5. **REPORT ON OTHER LEGAL AND REGULATORY REQUIREMENTS**

- a. We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit.
- b. In our opinion, proper books of account as required by law have been kept so far as it appears from our examination of those books.
- c. The Balance Sheet, Income and Expenditure Account dealt with by this Report are in agreement with the books of account.
- d. In our opinion, the aforesaid standalone financial statements comply with the requirements of the D. Y. Patil International University, Pune Act, 2017.

FOR V. S. POTDAR & CO.,
FIRM REG. NO. 107984W
CHARTERED ACCOUNTANTS



(K. S. PURANIK)
PARTNER

M. NO. 123680

UDIN : 24123680BKETRW5093

PLACE : PUNE
DATE : 12.09.2024

DR. D.Y. PATIL INTERNATIONAL UNIVERSITY, PUNE.

SECTOR 29, NIGDI PRADHIKARAN, AKURDI, PUNE 411044

SCHEDULE NO.10 : NOTES FORMING PART OF ACCOUNTS

1. ACTIVITIES OF THE UNIVERSITY

D. Y. Patil International University, Pune has been established, incorporated and regulated by the D.Y. Patil International University, Pune, Act, 2017 and became operational on 14.03.2018 as per Notification No. SFU-2017/(70/2017)/UNI-4 dated 14.03.2018.

The university has been established with an object to provide learning, teaching, capacity, capability and skills development and research and development in higher and technical education.

2. MAJOR ACCOUNTING POLICIES

a. GENERAL

The financial Statements have been prepared under the Historical Cost convention using the accrual system of accounting on going concern basis.

b. FIXED ASSETS & DEPRECIATION

Fixed Assets are stated at Cost less Depreciation.

It is the policy to charge Depreciation on Fixed Assets on written down value Method for the full year, except for assets acquired during the year on which Depreciation to be calculated at half the rate applicable to that particular asset if acquired after 30th September of the financial year. Depreciation rates are applied based on management's estimate of useful life of the asset at the time of acquisition of the asset.

c. INCOME RECOGNITION

Fees receivable from students for a particular year have been recorded in the books in the year to which it relates.

Interest received / receivable has been recorded as and when it becomes due.

d. INVESTMENTS

Investments are stated at costs. (Rs. Nil during the year)

...2



e. **EMPLOYEE BENEFITS**

Short Term Employee Benefits:

All benefits which are payable within twelve months of rendering the service are classified as short term employee benefits. Benefits such as salaries and cost of bonus are recognized in the period in which the employee renders the related service.

Post Employment Benefits:

The Company's contribution to state governed provident fund scheme and Employees State Insurance Scheme (if any) is defined contribution plan.

The contribution paid/payable under the scheme is recognized during the period in which the employee renders the service.

f. **TAXATION**

Provision for current tax is made on the basis of estimated taxable income for the current accounting period and in accordance with the provisions of The Income Tax Act, 1961. Deferred Tax resulting from "timing difference" between book and taxable profit for the year is accounted for using the tax rates and laws that have been enacted or substantially enacted as on the Balance sheet date. The deferred tax assets is recognized and carried forward only to the extent that there is reasonable certainty that the asset will be adjusted in future.

There are no timing differences as at the end of the year and hence no deferred tax asset / liability is recognized.

g. **CONTINGENT LIABILITIES AND ASSETS**

As per Accounting Standard 29, Provisions, Contingent Liabilities and Contingent Assets, the company recognizes provisions only when it has a present obligation as a result of a past event, it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation as and when a reliable estimate of the amount of obligation can be made.



...3

No provision is recognized for:

- a) Any possible obligation that arises from past events and the existence of which will be confirmed only by the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the company; or
- b) Any present obligation that arises from past events but is not recognized because-
 - i. it is not probable that an outflow of resources embodying economic benefits will be required to settle the obligation ; or
 - ii. A reliable estimate of the amount of obligation cannot be made.

Such obligations are recorded as contingent liabilities. These are assessed continually and only that part of the obligation for which an outflow of resources embodying economic benefits is probable, is provided for, except in the extremely rare circumstances where no reliable estimates can be made. Contingent Assets are not recognized in the financial statements since this may result in the recognition of income that may never be realized.

h. EVENTS OCCURRING AFTER BALANCE SHEET DATE

There are no events occurring after Balance Sheet Date till the completion of audit that will require separate disclosure.

FOR D. Y. PATIL INTERNATIONAL
UNIVERSITY, PUNE

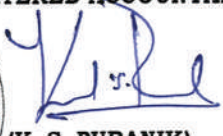
(VICE - CHANCELLOR)  (REGISTRAR)  (FINANCE OFFICER)

FOR DR. D. Y. PATIL PRATISHTHAN
(SPONSORING BODY OF D. Y. PATIL INTERNATIONAL
UNIVERSITY, PUNE)

(PRESIDENT)

DATE : 12.09.2024
PLACE : PUNE

FOR V. S. POTDAR & CO.
FIRM REG. NO. 107984W
CHARTERED ACCOUNTANTS


(K. S. PURANIK)
PARTNER
M. NO.: 123680
UDIN : 24123680BKETRW5093

D. Y. PATIL INTERNATIONAL UNIVERSITY, PUNE
FORMED UNDER D. Y. PATIL INTERNATIONAL UNIVERSITY, PUNE ACT, 2017 (MAH. ACT NO. LXIII OF 2017)
SECTOR 29, NIGDI PRADHIKARAN, AKURDI, PUNE - 411 044.

BALANCE SHEET AS AT 31ST MARCH, 2024.

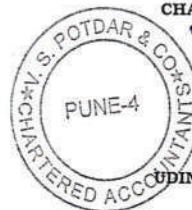
FUNDS & LIABILITIES	SCH. NO.	AMOUNT 31.03.2024 ₹	PROPERTY AND ASSETS	SCH. NO.	AMOUNT 31.03.2024 ₹
University Fund or Corpus:-			Immovable Properties:- (At Cost)		
Balance as per Last Balance Sheet			Balance as per last Balance Sheet		
Add: Corpus Donations		...	Additions during the year		
		...			
Other Earmarked Fund:-			Less : Sales during the year		
(Created under the provision of the trust deed or scheme or out of the Income)			Depreciation up to date		
Depreciation Fund	...				
Sinking Fund	...		Furniture & Fixtures	1	
Reserve Fund	...		Balance as per last Balance Sheet		1,42,35,392.78
Any other Fund	...		Additions during the year		1,67,76,487.80
- Development Fund	...				3,10,11,880.58
			Less : Sales during the year		...
			Depreciation up to date		58,39,557.00
Loans (Secured or Unsecured):-					2,51,72,323.58
From Trustees	...		Other Fixed Assets		
From Other	...		Balance as per last Balance Sheet		10,69,75,179.04
			Additions during the year	2	5,09,39,544.24
Liabilities					15,79,14,723.28
For Expenses	3	1,13,55,651.70	Less : Sales during the year		2,39,002.00
For Advances			Depreciation up to date		6,55,92,589.50
- Advance Fees Received from Student		81,30,871.10			9,20,83,131.78
For Fees Refundable		5,02,608.00			
For Hostel			Capital Work In Progress		
For Rent and Other Deposits			- Building		29,02,42,641.52
For Sundry Credit Balance	4	3,83,36,279.00	- Robot		4,00,604.06
			- Electrical		3,86,67,830.00
			- Furniture		48,26,916.10
			- Hostel Building		15,07,83,040.00
Transfer - Sponsoring Body			Investments:-		
Dr. D. Y. Patil Pratishthan Akurdi Pune Branch		2,56,34,241.42	Loans (Secured or Unsecured) : Good / Doubtful		
			Loans Scholarships		
Income and Expenditure Account:-			Other Loans		
Balance as per Balance Sheet		50,50,35,241.94	Advances:-		
Add : Surplus as per Income & Expenditure Account		36,62,93,459.36	To Trustees		
Less : Deficit as per Income & Expenditure Account			To Employees (As per List)		
Less : Appropriation, if any			To Contractors		
		87,13,28,701	To Lawyers		
			To Others	5	3,83,42,619.43
			Income Outstanding:-		
			Rent		
			Interest (As per List)		80,15,103.00
			Other Income		
			- Fees Receivable from Students		9,51,31,767.69
			Cash and Bank Balances:-		
			(a) In Accounts with Banks	6	7,96,83,552.36
			In Fixed Deposit with Banks	7	13,18,59,721.00
			(b) With the Trustee		
			(c) With the Manager		
			- Cash Balance with College Authorities		79,102.00
			- Cheques in hand		
TOTAL ₹		95,52,88,352.52	TOTAL ₹		95,52,88,352.52

The Above Balance Sheet To The Best Of Our Belief Contains A True Accounts Of Funds And Liabilities And Of The Property And Assets Of The University

D. Y. PATIL INTERNATIONAL UNIVERSITY, PUNE

 (VICE-CHANCELLOR)
 (REGISTRAR)
 (FINANCE OFFICER)

AS PER OUR REPORT OF EVEN DATE,
FOR V. S. POTDAR & CO.
FIRM REG. NO. 107984W
CHARTERED ACCOUNTANTS,




(K. S. PURANIK)
PARTNER
M. NO.123680

UDIN : 24123680BKETRW5093

PLACE : PUNE
DATE : 12.09.2024

D. Y. PATIL INTERNATIONAL UNIVERSITY, PUNE
FORMED UNDER D. Y. PATIL INTERNATIONAL UNIVERSITY, PUNE ACT, 2017 [MAH. ACT NO. LXIII OF 2017]
SECTOR 29, NIGDI PRADHIKARAN, AKURDI, PUNE - 411 044.

SCHEDULES TO BALANCE SHEET
SCHEDULE NO. 1 : FURNITURE & FIXTURES

SR. NO.	ASSETS	GROSS BLOCK					DEPRECIATION					CLOSING WDV
		AS ON 01.04.2023 ₹	ADDITIONS		DELETION DURING THE YEAR ₹	TOTAL UPTO 31.03.2024 ₹	RATE %	UPTO 01.04.2023 ₹	DEDUCTIONS DURING THE YEAR ₹	FOR THE YEAR ₹	TOTAL ₹	
			UPTO 30.09.2023 ₹	AFTER 30.09.2023 ₹								
1.	Furniture & Fixtures	1,42,35,392.78	94,17,714.00	73,58,773.80	...	3,10,11,880.58	10%	34,51,453.00	...	23,88,104.00	58,39,557.00	2,51,72,323.58
	TOTAL ₹	1,42,35,392.78	94,17,714.00	73,58,773.80	...	3,10,11,880.58		34,51,453.00	...	23,88,104.00	58,39,557.00	2,51,72,323.58

SCHEDULE NO. 2 : OTHER MOVABLE ASSETS & DEPRECIATION FOR THE YEAR ENDED 31ST MARCH, 2023.

SR. NO.	ASSETS	GROSS BLOCK					DEPRECIATION					CLOSING WDV
		AS ON 01.04.2023 ₹	ADDITIONS		DELETION DURING THE YEAR ₹	TOTAL UPTO 31.03.2024 ₹	RATE %	UPTO 01.04.2023 ₹	DEDUCTIONS DURING THE YEAR ₹	FOR THE YEAR ₹	TOTAL ₹	
			UPTO 30.09.2023 ₹	AFTER 30.09.2023 ₹								
1.	Computer & Software	4,73,11,808.98	19,05,302.00	2,36,37,780.90	2,39,002.00	7,26,15,889.88	40%	2,48,95,137.00	1,56,587.00	1,44,23,380.00	3,91,61,930.00	3,34,53,959.88
2.	Office Equipment's	10,49,907.00	13,900.00	...	...	10,63,807.00	15%	2,76,615.00	...	1,18,079.00	3,94,694.00	6,69,113.00
3.	Library Books	13,62,783.23	2,584.00	60,250.87	...	14,25,618.10	40%	10,14,825.85	...	1,52,267.00	11,67,092.85	2,58,525.25
4.	Laboratory Equipment's	95,92,410.88	15,16,958.00	48,91,329	...	1,60,00,697.88	15%	32,77,154.00	...	15,41,682.00	48,18,836.00	1,11,81,861.88
5.	Electrical Equipment	4,76,58,268.95	38,32,867.75	1,50,78,571.72	...	6,65,69,708.42	15%	1,31,71,144.65	...	68,78,892.00	2,00,50,036.65	4,65,19,671.77
TOTAL ₹		10,69,75,179.04	72,71,611.75	4,36,67,932.49	2,39,002.00	15,76,75,721.28		4,26,34,876.50	1,56,587.00	2,31,14,300.00	6,55,92,589.50	9,20,83,131.78



D. Y. PATIL INTERNATIONAL UNIVERSITY, PUNE
FORMED UNDER D. Y. PATIL INTERNATIONAL UNIVERSITY, PUNE ACT, 2017 (MAH. ACT NO. LXIII OF 2017)
SECTOR 29, NIGDI PRADHIKARAN, AKURDI, PUNE - 411 044.

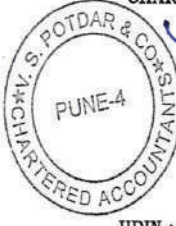
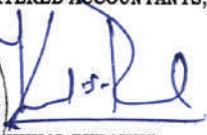
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31ST MARCH, 2024.

EXPENDITURE	SCH. NO.	AMOUNT 31.03.2024 ₹	INCOME	SCH. NO.	AMOUNT 31.03.2024 ₹
To Expenditure in respect of properties					
Rates, taxes, cesses		...	By Rent		
Repairs and maintenance		...	(accrued)		
Insurance		...	(realised)		
Depreciation		...	By Interest		
(by way of provision or adjustments)		...	(accrued)		
Other expenses		...	(realised)		
			- On securities		
To Establishment expenses		...	- On loans		
To Legal expenses		...	- On bank account		11,82,992.00
To Audit fees		5,90,000.00	- On fixed deposit		76,01,919.00
To Contribution and fees			- On others		...
To Amounts written off			By Dividend		
(a) Bad debts			By Donations in cash or kind		
(b) Loan scholarships			By Grants		
(c) Irrecoverable rents			By <u>Income from other sources</u>		
(d) Other items		...	- Fees from Student	8	60,18,56,428.32
To Miscellaneous expenses			- Miscellaneous Income		4,03,466.71
To Depreciation	1&2	2,55,02,404.00	By Transfer from Reserve		...
To Amounts transferred to Reserve					
To Expenditure on objects of the University					
(a) Religious					
(b) Educational	9	21,71,67,425.67			
(c) Medical Relief					
(d) Relief poverty					
(e) Other Charitable objects					
To Prior Period Expenses		14,91,517.00			
To Income Tax					
(a) Current Year					
(b) Previous Year					
To Surplus carried over to Balance Sheet		36,62,93,459.36			
TOTAL ₹		61,10,44,806.03	TOTAL ₹		61,10,44,806.03

D. Y. PATIL INTERNATIONAL UNIVERSITY, PUNE

 (VICE-CHANCELLOR)
  (REGISTRAR)
  (FINANCE OFFICER)

AS PER OUR REPORT OF EVEN DATE,
 FOR V. S. POTDAR & CO.
 FIRM REG. NO. 107984W
 CHARTERED ACCOUNTANTS,



 (KUNAL PURANIK)
 PARTNER
 M. NO.123680
 UDIN : 24123680BKETRW5093

PLACE : PUNE
 DATE : 12.09.2024

D. Y. PATIL INTERNATIONAL UNIVERSITY, PUNE
FORMED UNDER D. Y. PATIL INTERNATIONAL UNIVERSITY, PUNE ACT, 2017 (MAH. ACT NO. LXIII OF 201
SECTOR 29, NIGDI PRADHIKARAN, AKURDI, PUNE - 411 044.

SR. NO.	PARTICULARS	AS ON 31.03.2024 AMOUNT ₹
<u>SCHEDULES TO BALANCE SHEET</u>		
<u>SCHEDULE NO. 3 : LIABILITY FOR EXPENSES</u>		
1.	Employee Benefit Expenses	
	- Salary Payable	3,66,960.00
	- Labour Charges Payable	
	- Honorarium Payable	9,71,406.00
	- Advance for Laptop	96,390.00
	- Reimbursement payable	
	Audit Fees Payable	5,40,000.00
	Other Provisions	13,96,944.00
2.	Sundry Creditors	79,83,951.70
	TOTAL ₹	1,13,55,651.70
<u>SCHEDULE NO.4 : LIABILITY FOR SUNDRY CREDIT BALANCES</u>		
1.	Statutory Dues	
	- Professional Tax Payable	75,725.00
	- Provident Fund Payable	1,40,400.00
	- Tax Deducted at Source Payable	22,10,654.00
2.	Caution Money	3,56,14,500.00
3.	Caution Money- Hostel	1,45,000.00
4.	PERA Scholarship	1,50,000.00
	TOTAL ₹	3,83,36,279.00
<u>SCHEDULE NO. 5 : ADVANCES TO OTHERS</u>		
1.	TDS Recoverable	1,11,700.00
2.	Advance to Suppliers	2,46,52,833.00
3.	Advance to Employees	3,41,891.00
4.	Hostel Fees Receivable from Students	7,87,237.00
5.	Rent Deposit	18,28,400.00
6.	Prepaid Expenses	77,79,156.00
7.	Forex Card- Axis Bank	1,73,299.43
8.	T.D.S. for A.Y. 2021 - 22	1,20,000.00
9.	T.D.S. for A.Y. 2024 - 25	14,51,442.00
10.	T.C.S. for A.Y. 2024 - 25	40,236.00
11.	T.D.S. for A.Y. 2023 - 24	
12.	Excess TDS	18,792.00
13.	Income Tax Refund A.Y. 2023 - 24	8,59,865.00
14.	Income Tax Refund A.Y. 2020 - 21	1,44,560.00
15.	Excess Honorarium Paid Recoverable	33,208.00
	TOTAL ₹	3,83,42,619.43
<u>SCHEDULE NO. 6 : ACCOUNTS WITH BANKS</u>		
1.	Balances with banks	
	a) Punjab National Bank	4,97,08,791.66
	b) The Cosmos Co-Operative Bank Ltd.	
	c) Axis Bank Ltd	2,97,25,526.29
	d) PNB Alumini Bank A/c -2174100100011833	10,009.00
	e) NSS Bank A/c - 2174100100011842	10,009.00
	f) PNB Workshop & Seminar Bank A/c-2174100100011824	1,48,141.00
	Balances with Payment Interface Agency	
	a) Atom Technology	81,075.41
	TOTAL ₹	7,96,83,552.36



SR. NO.	PARTICULARS	AS ON 31.03.2024 AMOUNT ₹
<u>SCHEDULE NO. 7 : INVESTMENTS</u>		
1.	Fixed Deposit Balances with Punjab National Bank (As per List)	13,18,59,721.00
	TOTAL ₹	13,18,59,721.00
<u>SCHEDULES TO INCOME & EXPENDITURE A/C.</u>		
<u>SCHEDULE NO. 8 : EXAMINATION AND STUDENT FEES</u>		
1.	<u>Income:-</u>	
	- Course Fees	55,05,20,000.00
	- Admission Registration	1,61,45,000.00
	- Tution Fees Tata Motors & Others	1,76,51,185.25
	- Fees Written Back	...
	- Admission Cancellation	8,000.00
	- Penalty for Late Fees	56,50,000.00
	- Re-registration,Late Fees and Revaluation Fees	16,32,750.00
	- Information Boucher	40,67,273.07
	- Hostel Fees	57,60,720.00
	- Convocation Fees	4,21,500.00
	TOTAL ₹	60,18,56,428.32
<u>SCHEDULE NO. 9 : - MISCELLANEOUS INCOME</u>		
	- Forefeiture of Receipts	(25,000.00)
	- 3D Printing Workshop	22,000.00
	- Cashback Of Online Purchase	466.11
	- Miscellaneous Receipts	7,064.00
	- Mis Income	54,864.00
	- Sale of Fixed Asset	1,38,187.00
	- Sponership Received	1,00,000.00
	- Transcript Charges	12,500.00
	- Written Back	93,385.60
	- Consultancy Income	...
	TOTAL ₹	4,03,466.71
<u>SCHEDULE NO. 9 : - MISCELLANEOUS INCOME</u>		



SR. NO.	PARTICULARS	AS ON 31.03.2024 AMOUNT ₹
<u>SCHEDULE NO. 9 : EDUCATIONAL EXPENSES</u>		
1.	Advertisement Expenses	1,53,17,008.00
2.	Affiliation and Admission Expenses	41,49,775.68
3.	AICTE-Faculty Development Expense	
4.	AICTE-IDEA Lab Expenses	
5.	Balance Written Off	57,528.72
6.	Bank Interest & Charges	30,553.23
7.	Electricity Expense	94,55,637.00
8.	Fees waived off	71,95,250.25
9.	Functions and Programme	39,69,825.00
10.	Honorarium	87,42,300.00
11.	Hostel Rent Expenses	63,21,957.00
12.	Infrastructure Expenses	
13.	Interest on TDS	15,320.00
14.	Interest Reimbursement for J Block	
15.	Internet Charges	26,95,773.25
16.	Lab Equipment Expenses	21,19,297.00
17.	Newspaper & Subscription	10,57,340.86
18.	Office & Miscellaneous Expenses	4,13,959.73
19.	Postage & Telephone Expenses	5,17,954.45
20.	Printing & Stationery	4,63,699.19
21.	Professional Fees	14,08,685.48
22.	Project Seminar & Student Welfare	32,55,946.00
23.	Property Tax for University Premise	27,09,974.00
23.	Remuneration to Governing Body Members	1,40,000.00
24.	Repairs & Maintenance- Computer	
25.	Repairs & Maintenance- Electrical	10,67,473.00
26.	Repairs & Maintenance- Other	14,20,741.00
27.	Salaries and wages & Contribution to Other Fund	12,66,11,668.84
28.	Scholarship to students	38,99,425.00
29.	Security Service Charges	19,62,457.00
30.	Self Assessment Tax	
31.	Software License	22,47,895.17
32.	Staff Insurance Charges	22,58,377.00
33.	Staff Welfare Expenses	18,74,176.49
34.	Statutory Penalty	5,89,824.00
35.	Stipend	
36.	Student Insurance Charges	27,19,079.48
37.	Travelling and Lodging Expenses	22,05,461.85
38.	Vice Chancellor Fellowship	
39.	Workshop and Seminar Expenses	2,73,062.00
TOTAL ₹		<u>21,71,67,425.67</u>

