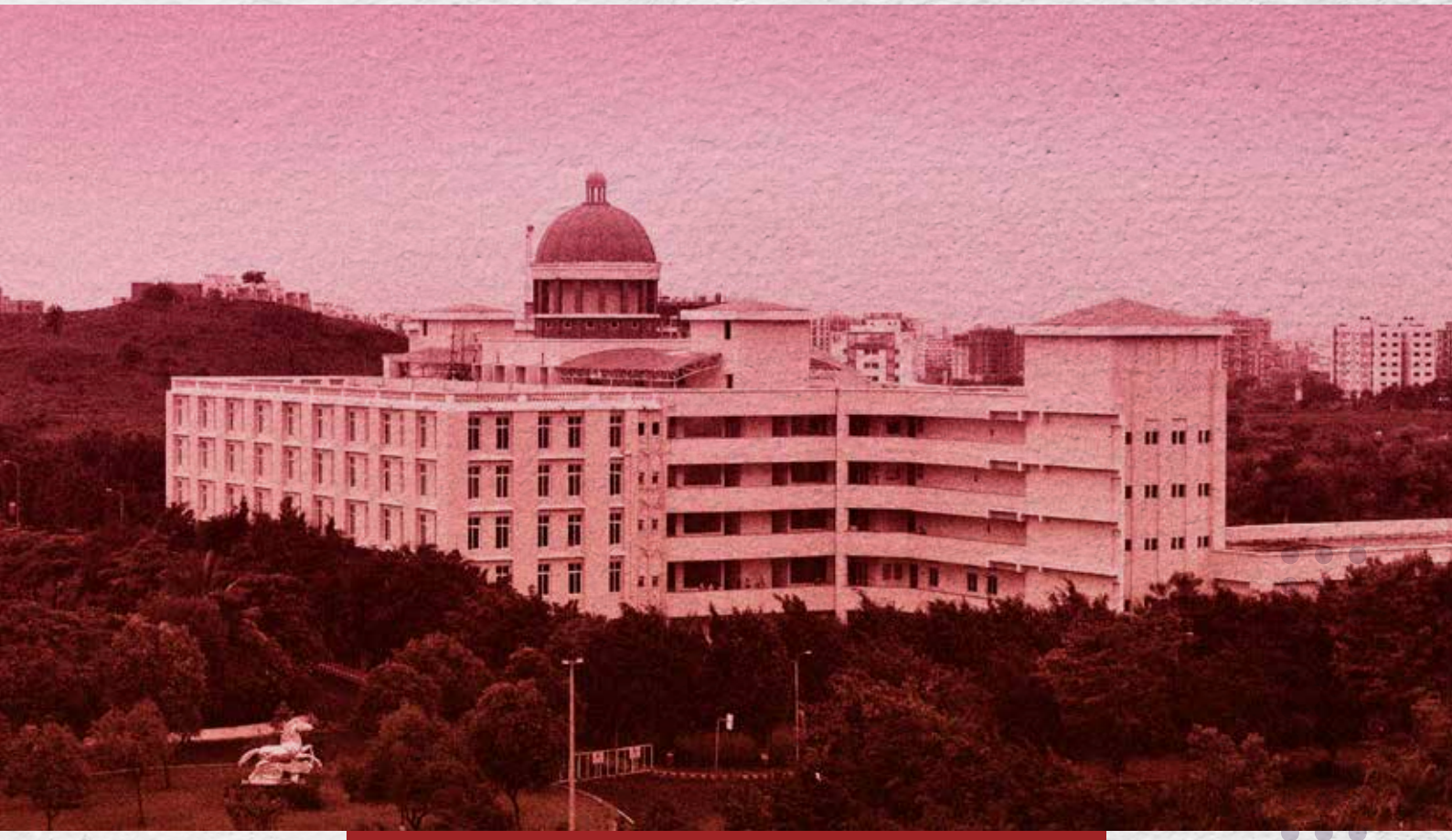
ADYPU NEWSLETTER

Leading the way in Innovative Education

AJEENKYA
D Y PATIL UNIVERSITY
THE INNOVATION UNIVERSITY



DECEMBER 2024

EVERY STEP FORWARD IS A SEED FOR TOMORROW'S SUCCESS

Dr. Rakesh Kumar Jain
Vice Chancellor, ADYPU

Editor's Message

Dear Readers,

As we welcome New Year, it is the perfect time to reflect on the past events that defined the end of 2024 and look forward to the opportunities that 2025 brings. December was a month of celebration at the university. We marked Founder's Day with great enthusiasm, honouring the vision and legacy of Dr. Ajeenkya D Y Patil on his birthday. The event was a reminder of the values we uphold as an institution and the path we continue to march on under his inspiring leadership.

The winter vacation provided a well-deserved break for all, allowing us to recharge and return with renewed energy. With the new semester now underway, academic rigour is once again at the forefront. The beginning of this semester is an opportunity for us to aim higher and grow.

As we publish this first edition of the New Year, let's continue to carry forward the momentum from December and embrace the opportunities as well as challenges that lie ahead in 2025.

Here's to making it a year of ACHIEVEMENT, LEARNING, and PROGRESS!

Wishing you all a wonderful start to the year!

Warmly

Sukhvinder Kaur Multani
Editor, Deputy Dean – R & D
Ajeenkya DY Patil University

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Training & Placement

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Academic Highlights

Python Programming

Training Program on **"Python Programming"** was successfully conducted for Final Year CSE and AI students, organized by the School of Engineering and Training and Placement Cell Department of Ajeenkya DY Patil University. Around 90+ students participated in the same. This training program aims to empower our students with valuable skills and hands-on experience in Python programming, in line with the requirements of the IT industry and prepare our students for success in today's competitive job market.

For this training program, Ms. Ankan Sharma (Zensar Technologies, Pune) and Mr. Amol Shinde (Amedea Infotech) were invited as resource persons.

Coordinator: Dr. Vishal Shirsath, Associate Dean, CSE, School of Engineering.

Date: 22 Nov - 30 Nov., 2024.

AI Program Event

The School of Engineering recently successfully conducted a training and certification program on Azure AI (AI-102 & AI-900) for final-year B. Tech CSE and AI students. This program was designed to equip students with the skills and knowledge required by the industry in the rapidly evolving field of Artificial Intelligence. Around 60+ students enrolled in the program and successfully completed both the training and certification.

Coordinator: Dr. Vishal Shirsath, Associate Dean, CSE, School of Engineering.

Date: 8 Dec - 15 Dec 2024

Industrial Visit

Industrial visit was organized for Biomedical Engineering Students (all semester) to Ruby Hall Clinic, Dhole Patil Road, Pune. Total 25 students along with 2 faculty members Marwana Sayed and Amit Mohan Raman. Mainly visited the Radiology department - CT, MRI, and had a session with the biomedical engineer there about the field.

Date: 29 Nov., 2024

Visit to Kisan Agri Show

A group of 10 students from the B.Tech Mechanical, Mechatronics, and Robotics and Automation programs, along with faculty members and Dean SOE Dr. Sunil Ingole, Dr. Ravi V. Gandhi, Dr. Ipsita Swain, Prof. Uttam Kumar, Prof. Parineeta Kelkar, and Dr. Shankar Khade, attended the Kisan Agri Show on December 15, 2024, at Moshi, Pune. This educational visit provided an opportunity to explore advanced technologies such as robotics, automation, and IoT in agriculture. The students gained insights into agri-tech innovations, interdisciplinary applications in engineering, and current industry trends.

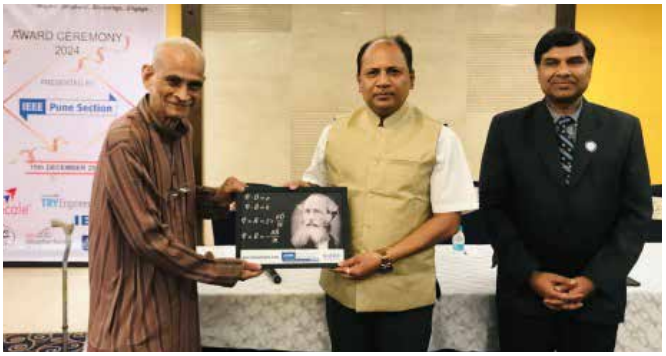
Visit to QUINTRANS Hyperloop

A team guided by faculty advisors Prof. Yashodhan Sonwane and Dr. Debanjali Barman Roy, visited QUINTRANS Hyperloop in December to explore potential collaboration and participation in the Global Hyperloop Competition 2025. The visit provided valuable insights and inspiration to contribute to the development of a sustainable hyperloop system.

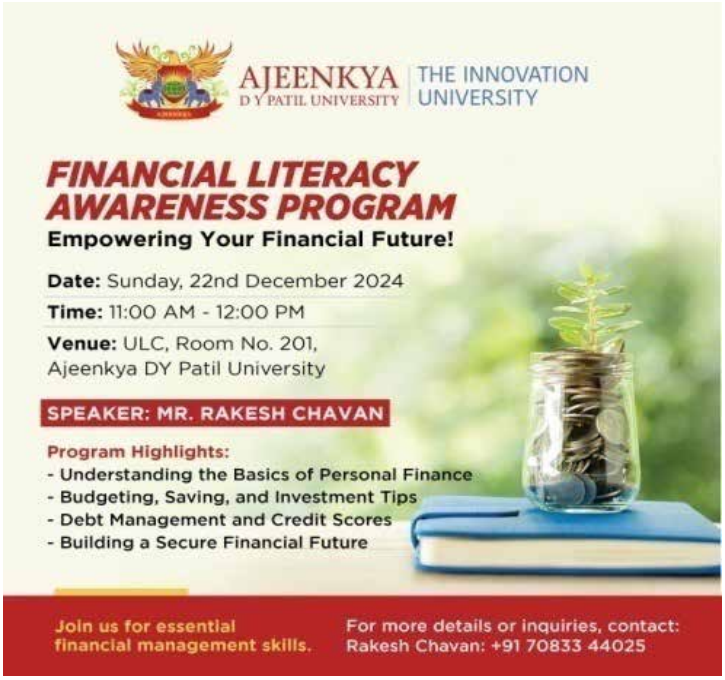
School of Engineering Shine at IEEE EUREKA 2024

Proudly sharing that the Faculty of the School of Engineering has made significant strides on the national stage Dr. Ranjit Kumar is an integral part of the organizing committee for IEEE Pune Section's prestigious IEEE EUREKA 2024. Moreover, several esteemed faculty members from the school served as jurors for this notable national event, reflecting their expertise and dedication to advancing education and innovation.

Date: 15 Dec., 2024



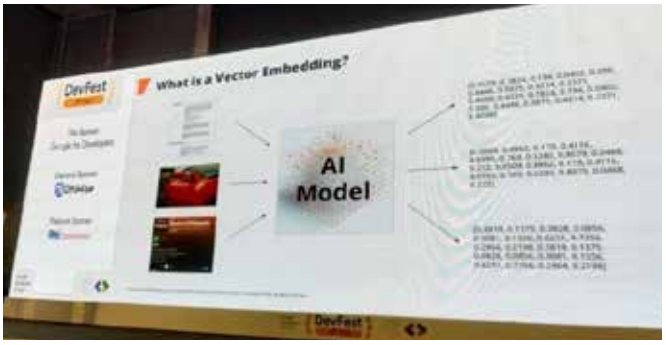
On founders' day Financial Literacy Awareness program was organised by the School of Management, Ajeenkya DY Patil University, Pune in ADYPU campus on Sunday 22nd December 2024.



School of Design attended the Google DevFest 2024 in Pune

This flagship event by Google India is recognized as one of the best tech conferences, bringing together a vibrant mix of talent: designers, developers, students, product managers, and VP-level professionals. It was an exciting platform for our UX/UI Design faculty and students to immerse themselves in the latest technological trends and design innovations.

The conference offered an invaluable opportunity to learn from experts, exchange ideas, and connect with industry leaders.

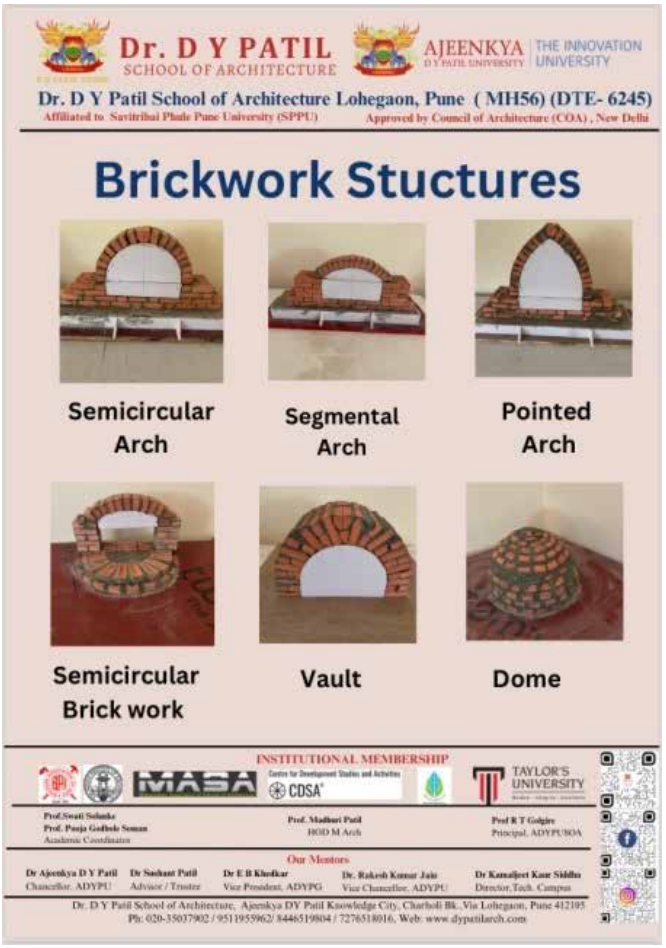


Legal Aid – Visit to Lok Adalat

The students of ADYPU, School of Law under the 'Legal Aid' participated as observers in the Lok Adalat organized by the District Legal Service Authority, under the District Court on 14 th December 2024. The students who participated were Mr.Tejas Shivankar, LLB 2nd year, Ms. Rajshree Sahay and Ms. Karunya S.P from BALLB 3 rd year. They had experience witnessing live legal proceedings and interacting with sitting judges. The faculty organizers were **Dr. Rajlakshmi P Wagh,** Associate Professor and **Ms. Shivanee Patil,** Assistant Professor

Building with Bricks: Hands-On Workshop for Architecture Students

A two day **"Brickwork Structure Workshop"** was organized by School of Architecture. An expert in building construction model making Prof. Vikas Shimpi was invited to share his knowledge with the students. The workshop was conducted on the 4th and 5th of December for first- second-and third year students. The students actively participated in hands-on workshops which gave them an opportunity to apply their learning and exposure to the material. Dome, Semicircular Arch, Segmental Arch, Pointed Arch, Semicircular Brickwork and Vault brick models were made by the students and the curing was done. The workshop was attended by 27 students and led by Prof. Madhuri Patil.



Campus Highlights

ADYPU Joins AIU West Zone Meet to Drive Innovation in Education

The Vice Chancellor, Dr Rakesh Kumar Jain participated in the AIU West Zone Vice Chancellors' Meet, hosted by DY Patil University, Navi Mumbai, from December 20-21, 2024. The event brought together key academic leaders to discuss important aspects of leadership and governance in higher education. Dr Jain, joined insightful discussions along with Dr. Vijay D. Patil, President of DY Patil University, on advancing innovation and collaboration in education.

New Facilities and Champions Sustainability

On December 23, Ajeenkya DY Patil University celebrated a significant day of accomplishments with the inauguration of several key facilities designed to elevate the student experience and strengthen campus infrastructure.

- **Student Progression & Corporate Relations Office**
- **Admissions Office**
- **Electronics & Electrical Lab**
- **Engineering Physics Lab**
- **Cricket Pitch**

School of Design Donates to Ishaprema Niketan on Founder's Day

On December 21, 2024, as part of the Founder's Day celebrations, the faculty and students of ADYPU School of Design came together for **"A Giving Initiative,"** donating groceries to Ishaprema Niketan, an orphanage and old-age home housing 40 members. Initiated by Dean Aparna Mhetras and led by Prof. Shreya and Prof. Rupesh Gajbhiye, the donation aimed to provide essential supplies to the children and staff.

Founder's Day: Bollybuzz Cine Masti

On December 19, 2024, as part of ADYPU Founder's Day celebrations, the Student Services Division organized **"Bollybuzz Cine Masti,"** a Bollywood-themed event. Staff and students embraced the glamour of Bollywood, stepping out in stunning outfits inspired by iconic characters and styles. The vibrant event celebrated the essence of Bollywood through creativity, fashion, and fun-filled festivities.

The School of Architecture conducted a donation drive to the orphanage center at the **“Matruchaya Balakashram”** for the Founder’s Day. The drive was held on the 20th December,2024, Friday. Donation in the form of old clothes, stationary kits, first aid kits, grains, groceriesand cash were received. The drive was led by second year students and faculty coordinators Prof. Shital Golhar, Prof. Seema Paulzagade and Prof. Sheetal Tiwari.

Inauguration of Carpentry Lab and Law Book Section for Architecture

The **“Ar. B.V. Doshi Carpentry and Model Making Workshop Lab”** and the **“Ar. Charles Correa Book Section: Law for Architecture Profession”** were inaugurated at the School of Architecture on 22nd December 2024 by Vice Chancellor Dr. Rakesh Kumar Jain and Vice President Dr. E.B. Khedkar during Founder’s Day celebrations. Dean Prof. Rajaram Golgire initiated the projects, with Prof. Sanjita Maindargikar and librarian Mr. Mayuresh Lanjekar driving them forward. The event also featured inspiring words from Dr. Jain and was attended by faculty, deans, and students.

Session on Yoga

The DR D Y PATIL SCHOOL OF ARCHITECTURE organized a workshop **“Yoga the Fitness mantra”** for the first-year students on 7th of December 2024. The workshop was arranged to build awareness and understand the importance of Yoga and pranayama for good health. The session was conducted by Prof. Narendra Kalbhor.

Thrilling Interdepartmental cricketSports Event Kicks Off at Seamedu

24 December 2024 SFM organized an exciting interdepartmental sports event, bringing together teams from SEAS, Management, Technical Campus, and Engineering. The opening ceremony was graced by **Sushant Patil Sir** and **Anuja Patil Ma’am,** who inaugurated the event with a motivational address and a ceremonial flag hoisting. The day featured intense matches, team-bonding activities, and a vibrant display of sportsmanship, culminating in a grand prize distribution ceremony.

Research Milestone

Research & Development Cell

Faculty Development Program

A Faculty Development Program (FDP) titled **"Leveraging Technology for Enhanced Teaching and Learning Pedagogy"** was organized online from December 2 to December 7, 2024, by Ajeenkya D Y Patil University (ADYPU) in collaboration with the Association of Indian Universities (AIU). The program featured a range of expert sessions, including topics such as e-learning tools, gamification for student engagement, multimedia integration, and data analytics in teaching. Distinguished speakers included Dr. Ninad Gawande, Dr. Vilas Pharande, Dr. Kalyan Sundharan, and others. The inauguration was graced by the Hon'ble Vice-Chancellor, Dr. R. K. Jain. Participants received AIU-certified completion certificates, valuable for accreditations and professional appraisals.

Dr Ajikumar Pundge was the Program Coordinator for this FDP.

School of Engineering

Dr Ranjit Kumar - Dr. Ranjit Kumar has been appointed to a prestigious volunteer position as an EAB TryEngineering STEM Grant Reviewer by the IEEE Educational Activities Board. His tenure will span from November 2024 to November 2027, reflecting his expertise and commitment to advancing STEM education initiatives.

Dr Amol Kasture - Dr. Amol Kasture has published a patent titled **"A Study & Development of Delivery Ecosystem – Food & Stationary within Academic Campus with the Help of Mobile Application Using Android Development Platform."** The patent, with reference number App No. 202421082325, was granted by the Indian Government Patent (IPR) authority. This innovative system aims to enhance campus life by integrating food and stationery delivery services through a mobile application, developed on the Android platform, providing convenience and efficiency to students and faculty within academic campuses.

Date: 29 Nov., 2024

11/29/24, 11:20 AM Intellectual Property India

Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

(http://ipindia.nic.in/index.htm)

INTELLECTUAL PROPERTY INDIA (http://ipindia.nic.in/index.htm)

Application Details

APPLICATION NUMBER	202421082325
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/10/2024
APPLICANT NAME	1. Dr.Amol B. Kasture 2. Aryan Deepak Patil 3. Manasi Manik Munde 4. Ritika Ganesh Andewad 5. Sara Samir Bakshi 6. Prajwal Namdeo Jadhav 7. Ankit Saha 8. Jay Sunil Giridhar
TITLE OF INVENTION	A study & Development of Delivery ecosystem – Food & stationary within academic campus with the help of Mobile Application using Android development Platform
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	editorsipofficial@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	29/11/2024

D Y PATIL School of Engineering & Technology

Date: 5/12/2024

To,
Dr. Arjun R. Vasatkar,
Professor,
Ajinkya D.Y.Patil University ,
Pune.

Respected Sir,

We would like to extend our heartfelt gratitude for your invaluable contribution as the **Session Chair** at the **1st National Conference on Radical Innovation for Sustainable Engineering Solutions (NC-RISES)-2024**. Your active participation on **5th December 2024** helped make the conference a grand success.

Your leadership and expert guidance during the session were deeply appreciated by all attendees. You facilitated meaningful discussions, encouraged insightful questions, and contributed significantly to the overall impact of the event. Your role as a Session Chair helped create an enriching environment for knowledge sharing and learning, which was the essence of our conference.

We sincerely thank you for dedicating your precious time and expertise to this event. Your presence added tremendous value, and we are grateful for your support in advancing the cause of sustainable engineering solutions.

Once again, we express our deepest appreciation for your significant role in making **NC-RISES-2024** a memorable and successful event. We look forward to your continued collaboration in future initiatives.

Thank you for your valuable contribution!

Thanks & Regards,

Dr. Vivek Patil,
Organizing Secretary,
NC-RISES-2024
School of Engineering & Technology
D Y Patil University Pune, Ambi

Telegram Dakhala 410507

Dr Arjun K. Vasatkar - Dr. Arjun R. Vasatkar served as Session Chair at the 1st National Conference on Radical Innovation for Sustainable Engineering Solutions (NC-RISES) - 2024, held on 5th December 2024. This prestigious conference highlighted groundbreaking research and innovative solutions aimed at addressing global sustainability challenges through engineering advancements.

Skill India

ATAL

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi -110070

AICTE Training and Learning (ATAL) Academy

Certificate

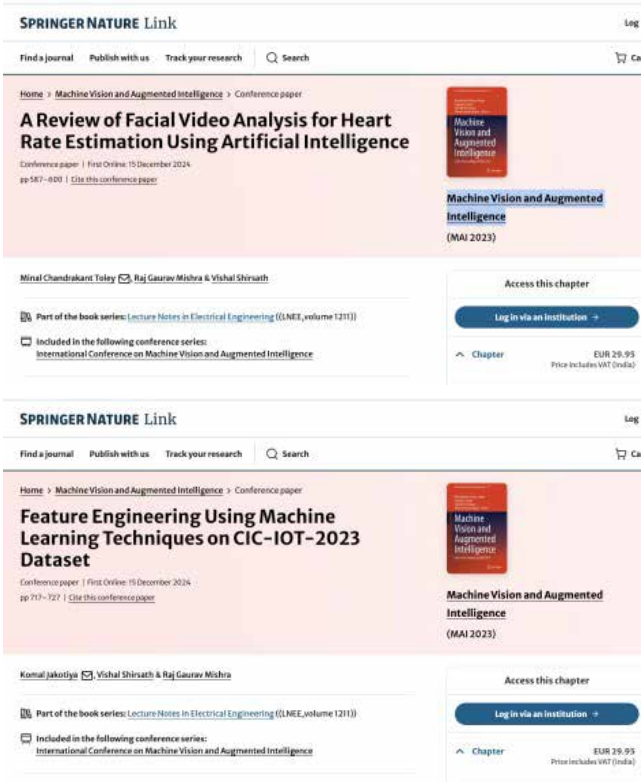
NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH, KOLKATA

Prof. Amit Mohan Raman - Prof. Amit Mohan Raman participated in an online ATAL Faculty Development Program (FDP) titled "Waste to Wealth Innovation." The FDP focused on innovative approaches to transform waste materials into valuable resources, promoting sustainability and environmental conservation.

Date: 2 Dec. - 7 Dec 2024

Dr. Vishal Shirsath has made significant contributions to research through the publication of two papers. The first, **"A Review of Facial Video Analysis for Heart Rate Estimation Using Artificial Intelligence,"** explores advanced AI methodologies for non-invasive health monitoring. The second, **"Feature Engineering Using Machine Learning Techniques on CIC-IOT-2023 Dataset,"** focuses on leveraging ML techniques for improved data analysis in the domain of Machine Vision and Augmented Intelligence.

Date: 15 Dec 2024



Dr. Susanta Das successfully attended two AICTE Training and Learning (ATAL) Academy Faculty Development Programs. The first program, entitled **"Recent Trends in Deep Learning & Large Language Models,"** was conducted online by Delhi Technical Campus from 2nd to 7th December 2024. The second program, **"Advanced**

Empowering Women Through Rural Sustainable Development and Entrepreneurship

Gül Erkol Bayram, Ali Turan Bayram, Melike Sak

Release Date: December, 2024 | Copyright: © 2025 | Pages: 544

DOI: 10.4018/979-8-3693-6572-4

ISBN13: 9798369365724 | ISBN13 Softcover: 9798369365731 | EISBN13: 9798369365748

Computing Redefined: Exploring AI, Quantum Computing, and Cyber Security Synergies," was held online by Shreeyash Pratishthan's Shreeyash College of Engineering & Technology from 25th to 30th November 2024.

Additionally he has co-authored a book chapter -

Pooja Dehankar & Susanta Das, Chapter 7: Empowering Her Voice: Women in Decision Making (pages 121-138) (DOI: 10.4018/979-8-3693-6572-4.ch007), **Empowering Women Through Rural Sustainable Development and Entrepreneurship** (Editor: Dr. G.E. Bayram, Dr. A.T. Bayram, Dr. M. Sak), **IGI Global, USA; DOI: DOI**: 10.4018/979-8-3693-6572-4; **ISBN 13:** 9798369365724; **eISBN:** 9798369365748; December 2024; https://www.igi-global.com/book/empowering-women-through-rural-sustainable/344800

Dr. Ravi Gandhi published a design patent entitled **"Air Pollution Monitoring Device."** This innovative device provides a reliable solution for monitoring air quality by detecting and analyzing various pollutants in the environment.

Date: 13 Dec., 2024.

पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-05 in respect of the application of such design to AIR POLLUTION MONITORING DEVICE in the name of 1.Rhythm Arya 2. Shriji Gandhi 3.Ravi Gandhi.

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

School of Management

Prof. Shiba Prasad Mohanty Shines with Multiple Achievements

Prof. Shiba Prasad Mohanty, Assistant Professor of SOM, showcased his expertise by delivering a lecture on **"Data Management and Sharing Platforms"** during a session jointly organized by Ajeenkya DY Patil University and the Association of Indian Universities on 20th November 2024.

Adding to his accolades, he received a **"Certificate of Appreciation"** as a reviewer from the Asian Journal of Management Cases (a Sage Publication journal).

Prof. Mohanty also actively participated in a two-day Faculty Development Programme on **"Research Analyst,"** organized by the National Institute of Securities Markets (NISM) from 22nd–23rd November 2024, earning a certificate of participation.

ATAL/2024/1732783314

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi -110070

AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that Dr. Shikha Singh, Associate Professor of Ajeenkya D Y Patil University, Pune has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Innovating Agritech for Sustainable Tomorrow: Aligning with SDG Goals at KLS INSTT. OF MGT., EDUCATION & RESEARCH from 02/12/2024 to 07/12/2024.

Praveen M Kulkarni
Professor Level (AICTE Institute), Coordinator
KLS INSTT. OF MGT., EDUCATION & RESEARCH

Dr. Sunil Luthra
Director & Bureau Head
Training and Learning Bureau, AICTE

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AIU- AJEENKYA D Y PATIL UNIVERSITY
Academic and Administrative Development Centre
(AIU-ADYPU-AADC)
R & D Cell, Ajeenkya D Y Patil University, Pune

Certificate of Participation

This is to certify that Dr. Shikha Singh
From Ajeenkya DY Patil University, Pune
Has successfully participated in the Eight Days online Faculty Development Program (FDP)
on "Use of Technology in Research Collaboration" conducted from 18th to 27th November 2024.

Dr Anil Maheshwari, Dean - R & D Cell, ADYPU,Pune
Dr Rakesh Kumar Jain, Vice Chancellor, ADYPU, Pune
Ms Ranjana Parihar, Joint Secretary, Association of Indian Universities, New Delhi
Dr (Mrs) Pankaj Mittal, Secretary General, Association of Indian Universities, New Delhi

Dr. Shikha Singh, Associate Professor at ADYPU-SOM (Seamedu), actively participated in an 8-day online Faculty Development Program (FDP) on **"Use of Technology in Research Collaboration,"** organized in collaboration with AIU and ADYPU, Pune, from 18th to 27th November 2024.

Besides, she successfully completed the ATAL FDP on **"Innovating Agritech for a Sustainable Tomorrow: Aligning with SDG Goals,"** held at KLS Institute of Management, Education & Research from 2nd to 7th December 2024.

School of Law

Prof. Swati Raja, from the School of Law, actively participated in two significant Online Faculty Development Programs (FDPs) organized by B.R.B. College of Commerce, Raichur, Karnataka, in collaboration with Nucleus of Learning and Development (NLD).

The first FDP, titled **"Tribal Literature: Establishing Identity and Cultural Preservation",** held from **25th to 30th November 2024,** explored themes of identity and cultural preservation within tribal literature. It provided valuable insights into the challenges and narratives of tribal communities, enhancing participants' critical understanding of this significant literary area.

The second FDP, **"Storytelling – A Useful Tool for Academics",** conducted from **2nd to 7th December 2024,** focused on the role of storytelling as an effective academic tool. It emphasized how storytelling fosters creativity, enhances communication, and makes learning more engaging and relatable.

CERTIFICATE
OF PARTICIPATION
MS SWATI RAJA
From DEPARTMENT OF ENGLISH
Participated in one week Online Faculty Development Program on "TRIBAL LITERATURE: ESTABLISHING IDENTITY AND CULTURAL PRESERVATION" organized by B.R.B College of Commerce, Raichur, Karnataka in collaboration with Nucleus of Learning and Development (NLD) from 25 to 30 November 2024
Co ordinator SMT. POOJITHA K IQAC Coordinator, B R B College of Commerce
Patron CA. CHETAN DHOKA Secretary, Managing Committee, B R B College of Commerce
Patron SRI. SRIRAM BOOB Chairman, Managing Committee, B R B College of Commerce
Convenor SRI SANDEEP KARBHARI Principal, B R B College of Commerce

CERTIFICATE
of Participation
MS. SWATI RAJA
From DEPARTMENT OF ENGLISH
Participated in one week Online Faculty Development Program on "STORYTELLING – A USEFUL TOOL FOR ACADEMICS" organized by B.R.B College of Commerce, Raichur, Karnataka in collaboration with Nucleus of Learning and Development (NLD) from 2 to 7 December 2024
Co ordinator SMT. POOJITHA K IQAC Coordinator, B R B College of Commerce
Patron CA. CHETAN DHOKA Secretary, Managing Committee, B R B College of Commerce
Patron SRI. SRIRAM BOOB Chairman, Managing Committee, B R B College of Commerce
Convenor SRI SANDEEP KARBHARI Principal, B R B College of Commerce

In December 2024, **Prof. Kedar Dhananjay Kulkarni** from the School of Law presented two impactful research papers. At the International Seminar on **"Indian Ocean Region: Challenges and Opportunities"** held at the University of Mumbai, he discussed **"Climate Change and the Evolution of Non-Traditional Security Threats in the Indian Ocean."**

Additionally, at the conference on **"Public Administration & Digital Transformation"** hosted by the Indian Institute of Public Administration, New Delhi, he presented **"The Role of Artificial Intelligence in Enhancing Government Efficiency and Transparency: Risks and Rewards in the Indian Context."**

Prof. Kulkarni also participated in a Faculty Development Program organized by ADYPU's Research & Development Cell on the theme, **"Use of Technology on Research Collaboration".**

Additionally, he delivered a lecture during the NET/SET Workshop organized by **VidyapeethKatta, University of Pune.**

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Academic and Administrative Development Centre
(AIU-ADYPU-AADC)
R & D Cell, Ajeenkya D Y Patil University, Pune

Certificate of Participation

This is to certify that Prof. Kedar Dhananjay Kulkarni
From Ajeenkya DY Patil University, Pune
Has successfully participated in the Eight Days online Faculty Development Program (FDP)
on "Use of Technology in Research Collaboration" conducted from 18th to 27th November 2024.

Dr Anil Maheshwari, Dean - R & D Cell, ADYPU,Pune
Dr Rakesh Kumar Jain, Vice Chancellor, ADYPU, Pune
Ms Ranjana Parihar, Joint Secretary, Association of Indian Universities, New Delhi
Dr (Mrs) Pankaj Mittal, Secretary General, Association of Indian Universities, New Delhi

Certificate No.124781

IIAS

Indian Institute of Public Administration
New Delhi
(An ISO 9001-2015 Institution)

This is to certify that
Kedar Dhananjay Kulkarni
has presented a paper titled
"The Role of Artificial Intelligence in Enhancing Government Efficiency and Transparency: Risks and Rewards in Indian context"
in
National Conference on "Public Administration & Digital Transformation- Efficiency, Reliability and Effectiveness"
(November 21-22 2024)

(Prof Suresh Misra)
Conference Coordinator

(Surendra Nath Tripathi)
Director General

New Delhi,
November 22, 2024

University of Mumbai
School of International Relations and Strategic Studies

Indian Council of Social Science Research

Certificate

This is to certify that Prof Dr Mr Mrs. Ms. Kedar Dhananjay Kulkarni presented the paper attended participated chaired moderated Climate Change and the Evolution of Non-traditional Security Threats in the Indian Ocean in the International Seminar on "Indian Ocean Region: Challenges and Opportunities" organized by School of International Relations and Strategic Studies (SIRSS) under the aegis of Indian Council of Social Science Research, New Delhi on 24th and 25th October 2024.

Prof. B. V. Bhosale
I/C Director, SIRSS
University of Mumbai

Prof. Liyaqat Khan
I/C Deputy Director, SIRSS
University of Mumbai

Dr. Sameena Zahoor Mir participated in the **Asian School of Business International Conference 2024 (ASBIC 2024)** held at the Asian School of Business, Noida in December. She presented a research paper titled Exploring Mechanisms and Institutions That Regulate and Control Behavior in Society, Both Formal and Informal: A Social Investigation.

In addition, **Dr. Mir** was recognized as the **Chief Editor** of the book **Transforming Higher Education Through Indian Knowledge Systems Vol: 2 (ISBN: 978-81-982331-1-0)** which is now available on Amazon and Kindle.

Dr. Sameena Z. Mir has been awarded a **Certificate of Reviewing** for her exceptional role in maintaining high peer-review standards for **Economics and Entrepreneurship,** in December 2024.

Dr. Ramratan V. Dhumal, Assistant Professor at the School of Law, delivered an engaging guest lecture on **"Bluebook Citation"** for the 1st-year batch (2024-2029) and LLM students at Symbiosis Law School, Hyderabad. Conducted in the last week of November 2024 in an online mode, the session offered a comprehensive understanding of the Bluebook referencing style, widely used in legal writing.

Gmail

Letter of Gratitude from Symbiosis Law School, Hyderabad!

Director Office <directoroffice@slsh.edu.in> Wed, Nov 13, 2024 at 5:23 PM
To: rvdhumal@gmail.com
Cc: Anita Sable <anita.sable@slsh.edu.in>

Dear Sir,

Greetings from Symbiosis Law School, Hyderabad!
We would like to thank you for delivering a guest lecture on " Bluebook Citation" on the 26th and 27th of October 2024 in online mode for the undergraduate and postgraduate students of Symbiosis Law School, Hyderabad.

It was an honour to have you as a resource person and the knowledge you imparted will be immensely helpful for the students in building up their careers in the legal profession.

We look forward to your collaboration in future as well.

With Best Regards

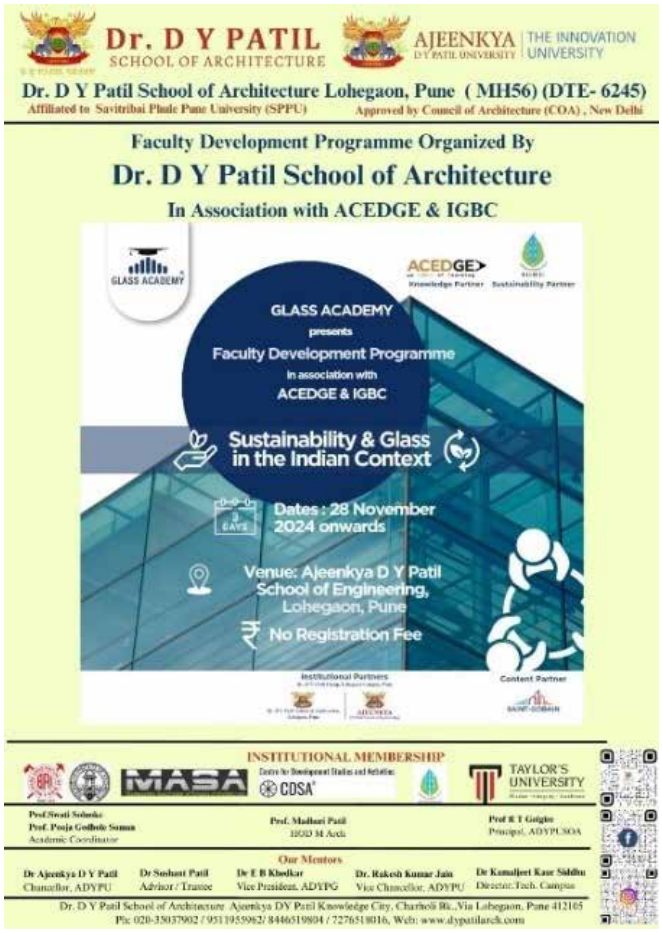
Dr. Sunil George | Director

SYMBIOSIS LAW SCHOOL, HYDERABAD
Constituent of Symbiosis International (Deemed University), Pune
Survey Number 292, Off Bangalore Highway
Village: Modallaguda, Nandigama Mandal,
District: Rangareddy
Hyderabad 509217 (Telangana), India
Email: director@slsh.edu.in
Website: www.slsh.edu.in
Landline: 040-27232101, Mobile: 7093921243

Faculty Development Program: Sustainability and Glass

The School of Architecture hosted an FDP on **"Sustainability and Glass in the Indian Context"** from November 28th to 30th, 2024, in collaboration with ACEDGE and Glass Academy, Saint Gobain. The sessions enriched participants' understanding of glass technology, sustainable practices, and glazing applications. The program concluded with a factory visit showcasing the glass manufacturing process, finishes, and applications.

Certified participants: Prof. Rajaram Golgire, Prof. Shital Golhar, Prof. Madhuri Patil, Prof. Seema Paulzagade, Prof. Amit Shirke, Prof. Swati Solunke, Prof. Pooja Godbole Soman, Prof. Poorva Sawai, and Prof. Priyanka Ghodke.



University Signs MoU with Janwani Foundation to Promote Sustainability

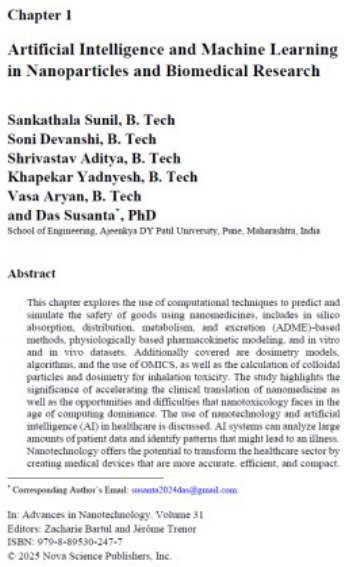
Ajeenkya D Y Patil University has taken a significant step towards promoting cleanliness and sustainability by signing a Memorandum of Understanding (MoU) with Janwani Foundation. The MoU, signed on December 17, 2024, aims to undertake various initiatives such as e-waste collection, cleanliness drives, awareness campaigns, research projects, and internships. The Program Officer and Associate Professor Dr. Samadhan Nikumbh, from the School of Liberal Arts, played a key role in facilitating the MoU, which was supported by NSS Director Prof. Shital Solankhi. This collaboration is expected to foster a culture of cleanliness and environmental responsibility among the university community. The initiatives undertaken through this partnership will contribute to a cleaner and healthier environment for sustainable future.

Students Corner

Dhrasaj Kaushal (IIIrd Year, SOE) - School of Engineering student Dhrasaj Kaushal, in collaboration with Dr. Susanta Das and Prof. Khushabu Trivedi, received the prestigious Best Paper Award at the 2024 IEEE International Conference on Intelligent Systems and Advanced Applications (ICISAA). Their paper, titled **"From Farm to Fork: Advanced Analysis, Visualization, and Imputation of CO2 Emissions in Food Production,"** showcased innovative methods for analyzing and reducing carbon emissions in the food production process.

Date: 25-26 Nov., 2024

"Sunil Sankathala, Devanshi Soni, Aditya Shrivastav, Yadneysh Khapekar, Aryan Vasa, and Dr. Susanta Das co-authored Chapter 1, titled **"Artificial Intelligence and Machine Learning in Nanoparticles and Biomedical Research,"** spanning pages 1-42. The chapter is part of the book edited by Dr. Zacharie Bartul and Dr. Jérôme Trenor, published by Nova Science Publishers in December 2024. The book, Advances in Nanotechnology: Volume 31, is accessible via DOI: https://doi.org/10.52305/ENFL5303 and carries the ISBN 979-8-89530-247-7. The chapter highlights the transformative role of AI and ML in advancing nanoparticle and biomedical research.



Chapter 1

Artificial Intelligence and Machine Learning in Nanoparticles and Biomedical Research

Sankathala Sunil, B. Tech
Soni Devanshi, B. Tech
Shrivastav Aditya, B. Tech
Khapekar Yadnyesh, B. Tech
Vasa Aryan, B. Tech
and Das Susanta*, PhD
School of Engineering, Ajeenkya DY Patil University, Pune, Maharashtra, India

Abstract

This chapter explores the use of computational techniques to predict and simulate the safety of goods using nanomedicines, includes in silico absorption, distribution, metabolism, and excretion (ADME)-based methods, physiologically based pharmacokinetic modeling, and in vitro and in vivo datasets. Additionally covered are dosimetry models, algorithms, and the use of OMICS, as well as the calculation of colloidal particles and dosimetry for inhalation toxicity. The study highlights the significance of accelerating the clinical translation of nanomedicine as well as the opportunities and difficulties that nanotoxicology faces in the age of computing dominance. The use of nanotechnology and artificial intelligence (AI) in healthcare is discussed. AI systems can analyze large amounts of patient data and identify patterns that might lead to an illness. Nanotechnology offers the potential to transform the healthcare sector by creating medical devices that are more accurate, efficient, and compact.

* Corresponding Author's Email: susanta2024das@gmail.com.

In: Advances in Nanotechnology. Volume 31
Editors: Zacharie Bartul and Jérôme Trenor
ISBN: 979-8-89530-247-7
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Tanishka Madke, Atharva Saraf, & Susanta Das co-authored Chapter 2, titled **"Decoding the Greenhouse: The Role of Greenhouse Gas in Global Warming,"** spanning pages 77-118. The chapter is part of the book edited by Dr. Justin A. Daniels, published by Nova Science Publishers in December 2024. The book, Advances in Environmental Research: Volume 104, is accessible via DOI: https://doi.org/10.52305/UIIM7360 and carries the ISBN 979-8-89530-249-1.

The chapter explores the critical impact of greenhouse gases on global warming and highlights strategies for mitigating their effects.

Chapter 2

Decoding the Greenhouse: The Role of Greenhouse Gas in Global Warming

Madke Tanishka Prashant, BTech
Saraf Atharva, BTech
and Susanta Das*, PhD
School of Engineering, Ajeenkya D Y Patil University, Pune, Maharashtra, India

Abstract

The United Nations Sustainable Development Group (UNSDG) was established in 1997 and is based in New York, USA. It facilitates collaborative policy creation, aids in decision-making and has worldwide application. The thirteenth goal of the UNSDG is to combat climate change. There are seventeen goals in total. We shall talk about climate change and how greenhouse gas emissions are the primary cause of it in this review study. Climate shifts are the culmination of weather patterns and variations over a long period (greater than thirty years) over a wide area. Human activity is to blame for climate change. When specific gases known as greenhouse gases are absorbed into the Earth's atmosphere the result is the greenhouse effect. CH_4, CO_2, N_2O, O_3, and fluorinated gases are examples of greenhouse gases. Temperatures near the Earth's surface are gradually rising, a phenomenon known as "Global Warming". This occurrence has been seen over the previous century or two. Increases in frequency, intensity, and duration of extreme weather events and natural disasters are a result of the planet's changing climatic pattern brought about by global warming. Reef systems that support plants and animals have been impacted by global warming. Coral reef fragility has increased

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In: Advances in Environmental Research. Volume 104
Editor: Justin A. Daniels
ISBN: 979-8-89530-249-1

Ebaa Mubarak, Sanjana Pandey, Debanjali Barman Roy, & Susanta Das co-authored Chapter 6, titled **"Invasive Species in Australia: A Study on Invasion Success,"** spanning pages 196-216. The chapter is part of the book edited by Dr. Justin A. Daniels, published by Nova Science Publishers in December 2024. The book, Advances in Environmental Research: Volume 104, is accessible via

DOI: https://doi.org/10.52305/UIIM7360 and carries the ISBN 979-8-89530-249-1.

The chapter investigates the factors contributing to the success of invasive species in Australia and their ecological impact.

Chapter 6

Invasive Species in Australia: A Study on Invasion Success

Mubarak Ebaa, BTech
Pandey Sanjana, BTech
Roy Debanjali Barman, PhD
and Susanta Das*, PhD
School of Engineering, Ajeenkya DY Patil University, Pune, Maharashtra, India

Abstract

Australia has many factors that make it ideal to study. Not only is it a biodiversity hotspot but it is also geographically isolated. Additionally, it also has a wide climatic range. This study examines temporal trends in invasive species populations in Australia and their interactions with threatened species, as well as their response to global warming. This is because Australia is the third worst hit country by invasive species. Additionally, the governmental efforts in Australia have made it possible to access large data sets. Furthermore, since Australia is an independent ecosystem, it is easier to understand the complex interactions on a smaller scale. Employing a mixed-methods approach, data were collected from reputable sources including IUCN, Eco Assets, DCCEEW Australia, DAFF Australia, and UNSTATS. Quantitative analysis was conducted. The Pearson's moment correlation coefficient revealed a significant negative correlation between invasive species and threatened species populations, along with a moderate positive correlation between global warming and invasive species abundance. Additionally, a one tailed

* Corresponding Author's Email: susanta2024das@gmail.com.

In: Advances in Environmental Research. Volume 104
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Aditya Sharma, Amna Kausar, Atharva Saraf, & Susanta Das, Chapter 13: Penetration Testing: A Way to Secure IT Industries (pages 327-342) (DOI: 10.4018/979-8-3693-5728-6.ch013); Navigating Cyber-Physical Systems With Cutting-Edge Technologies (Editors: Dr. Ramesh Chandra Poonia & Dr. Kamal Upreti), IGI Global, USA; DOI: 10.4018/979-8-3693-5728-6; ISBN13: 9798369357286; EISBN13: 9798369357309; December 2024; https://www.igi-global.com/book/navigating-cyber-physical-systems-cutting/341581

Penetration Testing: A Way to Secure IT Industries

Aditya Sharma, Amna Kausar, Atharva Saraf, Susanta Das

Source Title: Navigating Cyber-Physical Systems With Cutting-Edge Technologies

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DOI: 10.4018/979-8-3693-5728-6.ch013

OnDemand: (Individual Chapters) $33.75

List Price: ~~$37.50~~

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Abstract

To identify system vulnerabilities, pen testing is essential for cybersecurity. Phases of preparation, reconnaissance, scanning, exploitation, and reporting are all involved. Every phase makes use of tools such as Nmap, Nessus, and Metasploit. To guarantee system, network, and data security, businesses should conduct pen tests regularly using skilled testers. This chapter delves into this important domain of cybersecurity as well as information technology industries. The chapter also discusses ethical issues and various challenges associated with it.

Driving Innovation: Our Teams Shine at Smart India Hackathon 2024 National Finals

The Smart India Hackathon (SIH) 2024, a flagship initiative by the Government of India, successfully fostered innovation and problem-solving among students, with a focus on real-world challenges. Our institution's two teams advanced to the national level, addressing problem statements for the Madhya Pradesh Police, with the grand finale held in Bhopal, and the Government of NCT of Delhi, culminating at Guru Ghasidas Vishwavidyalaya in Bilaspur, Chhattisgarh. The internal hackathon, meticulously organized by the Student Technical Activity Club (STAC) under the coordination of Dr. Ravi Gandhi and SPOC Prof. Sateesh Patil, played a pivotal role in preparing our teams for this remarkable achievement.

Enhancing Caregiving Experience at HWWE 2024: School of Design's Contribution

Students Maitreyee Burkule (Product Design) and Tanvi Todkar (Visual Communication Design) from the School of Design presented their research paper, **"Enhancing Caregiving Experience for Alzheimer's and Dementia Patients: Innovative Solutions for Safety and Support",** at the prestigious HWWE 2024 Conference in Kolkata, held from December 13-15. Guided by Prof. Apoorva Gandharve, the students showcased user-centric solutions focused on improving caregiving experiences for Alzheimer's and dementia patients.

A Journey into Bamboo Artistry

On 2nd December, SOD Students explored the techniques of bamboo crafting and learned about the challenges artisans face. The market offered insights into bamboo materials and products. Inspired by this experience, students are working on projects to empower artisans. Their focus is on integrating traditional bamboo craftsmanship with modern design practices. The projects aim to enhance marketing, branding, and promotion of bamboo artistry.

On 28th November, School of Design students and faculty recently visited Dastkari Haat Samiti, an organization dedicated to empowering artisans and preserving cultural heritage. In the first half of the visit, students participated in workshops led by skilled artisans, learning diverse crafts such as Kalighat, Madhubani, and Gond painting, while also exploring their cultural and historical significance. The second half of the visit involved a market trip, where students gained insights into the application of these crafts in the market.

Mask Making Madness

On December 8th, Idoodle in Kothrud, Pune hosted the **"Mask Making Madness"** workshop, an inspiring event led by Prof. Rupesh Gajbhiye and Prof. Rao Ranveer Singh. Participants delved into the world of fantasy, dreams, nightmares, and nature spirits, using various materials like paints, feathers, and sequins to craft unique masks. The workshop encouraged collaboration and self-expression, allowing attendees to explore innovative design techniques. Artists of all levels embraced their creativity, producing stunning, one-of-a-kind masterpieces.

Manya Singh's Eco Green Medical Organizer Selected as Finalist for Green Concept Awards 2025

We are thrilled to announce that Manya Singh, a Product Design student from the School of Design has been selected as a finalist for the prestigious Green Concept Awards 2025 on 8th December. Her innovative project, Eco Green Medical Organizer, stands out for its sustainable and practical approach to medical storage. Under the mentorship of Prof. Prajakta Rokade, the final-year students have demonstrated remarkable creativity and commitment to environmentally-conscious design solutions.

ADYPU Debuts in Football at AIU West Zone Tournament 2024-25

From December 13–18, 2024, ADYPU students participated in the AIU West Zone Football and Volleyball Tournament, competing against universities from Maharashtra, Goa, and Gujarat. This zonal event served as a pathway to the All-India University Games and Khelo India University Games.

ADYPU's football team, debuting for the first time, showcased commendable effort, winning one match in their pool.

Jam by the Tree

A student-led music event, took place on November 26th, 2024, bringing together music enthusiasts for an unforgettable evening. The event featured live performances, spontaneous jams, and collaborative musical expressions under the open sky. Students from various backgrounds showcased their talents, creating a vibrant and inclusive atmosphere.

Horizon Ice Triumphs at Saksham 3.0's "Bandwars"

At Saksham 3.0, hosted by Symbiosis Skills and Professional University on December 6, 2024, Horizon Ice dazzled the audience and judges to win the prestigious "Bandwars" competition. Competing against 15 top college bands, their electrifying performance was led by vocalist Shivanayan Sumesh, with standout contributions from Shreyash Mane, Soumil Kothari, Rohan Nagpal, George Faria, and SahilWanikar.

International Collaborations

Highlights of Delhi-Mumbai Visit (Dec 10–15, 2024)

Key Engagements:

- **Embassy Visits (Delhi):** Productive discussions with embassies of Indonesia, Mongolia, and Japan resulted in commitments to student exchange programs, MOUs, and collaborative opportunities.
- **Times Higher Education (Delhi):** Attended with a complimentary pass valued at USD 150.
- **World Hindu Economic Forum (Mumbai):** Participated with a sponsored pass worth USD 300, fostering global connections.
- **Meetings with Officials:** Engaged with leaders from academia, industry, and media.

Outcomes and Follow-ups:

- **Embassy of Indonesia:** Agreements on student exchanges, MOUs, and scholarships. Follow-ups include sending fee details and participation in education fairs.
- **Embassy of Mongolia:** Support for student admissions and teaching internships with stipends.
- **Embassy of Japan:** Collaboration on grants, fellowships, and joint academic proposals.

Notable Meetings:

- **Ms. Monica (New Zealand):** Initiating MOUs and collaborations.
- **Ms. Alix Robinne (France):** SDG learning initiatives for students.
- **Industry leaders like Mr. Sudhanshu Mittal (NASSCOM), Mr. Govind (Weaver India), and Mr. Chandra Mohan (WHEF):** Training, internships, and Centre of Excellence commitments.
- **Mr. Vasikaran (UK Delegates):** Proposals for the Indo-Sri Lanka Infrastructure Project.

Special Highlights:

- Cambodian Ambassador Dr. Rameshwaran offered support for Cambodian student admissions and a Thiruvalluvar Statue setup at ADYPU.
- Participation in WHEF 2024 included attending Hon. CM Yogi Adityanath's speech.

This impactful visit strengthened ADYPU's global outreach and opened pathways for collaborations across education, research, and internships.

EMBASSY OF
THE REPUBLIC OF INDONESIA
NEW DELHI

versations

MUCCIA

WORLD HINDU ECONOMIC FORUM
Making Society Prosperous

Career Pathway & Placement

Rubicon Python & Aptitude Training for 10 days

SP & CR team conducted a session for BTech & MBA students [ADYPU Batch 2025] training of Python & Aptitude.

Mentors: Dr. Tushar Sangole, Dr. S. B. Ingole, Mr. Nitin Jadhav, Prof. Anant More.

22/11/2024

Internship Drive by LeadtoRev

15/11/2024

Emicon Campus Drive

Insights into the recruitment process, including tips for aptitude tests and interviews.

28/11/2024

Training Session

Tech Mahindra Specific 5 days training for eligible students.

02/12/2024 -06/12/2024

Campus Drives: Rudder Analytics

Recruitment drives for Mechanical Engineering students with aptitude tests, technical evaluations, and interviews.

14/11/2024

Allied Softech

Recruitment drive with aptitude tests, technical interviews, and HR rounds.

19/11/2024

Industry Expert Visit to Campus

Microsoft & Bytexl Team Visit for Course Designing

26/11/2024

Campus Drives: Lexicon

A 5-day program on communication, professional etiquette, and interview preparation.

28/11/2024

Campus Drives: Magic Software

Recruitment drive for Devops Finance Support & for HR Profile.

26/11/2024-29/11/2024

Internship Drive- Cummins

Cummins Internship Drive for Mechanical Engineering Students for the Batch 2026.

16/11/2024

Internship Drive- GKN Fokker Elmo

GKN Fokker Elmo Internship Drive for Mechanical Engineering Students for the Batch 2026.

5/12/2024

Internship Drive DWAO

DWAO Internship Drive for BE/BTech Students where 14 students were placed.

2/12/2024

Internship Drive- Jade Global

For CS and IT ADYPU and ADYPSOE

12/12/2024

Internship Drive- Aethrone Aerospace

Aethrone Aerospace Internship Drive for BE Mechanical Students where 2 students were placed.

7/12/2024

Industry Visit to EKA Pinnacle

8/12/2024

Campus Drive Opportunities at Zensar

Industry experts shared insights into recruitment for Zensar during a session under the Samvaad Series.

Panel: Mr. Rohith

16/12/2024

Internship Drive- Forma AI

Forma AI Internship Drive for BE /BTECH CS/IT Students where 4 students were placed.

27/11/2024

Internship Drive- UCON Structural Systems Pvt Ltd

UCON Structural Systems Pvt Ltd Internship Drive for BE Civil students where 16 students were placed.

2/12/2024

Virtual Pre-Placement Guidance

Industry experts shared insights into recruitment for Magic Software Applus & IDIADA during a session under the Samvaad Series.

29/11/2024

MBA Internship registration for Nestrov Consulting Pvt Ltd Kirloskar Brother.

Awards & Accolades

Dr. D. Y. Patil School of Architecture with Ajeenkya D. Y. Patil of School Engineering organized the **"Dr. Ajeenkya D. Y. Patil Gunwant Vidyarthi Puraskar"** for 12thstandard students in the academic year 2024-25. Dean Prof. Rajaram Golgire conceived the idea of the Awareness program. From six thousand schools and colleges in Maharashtra 5 boys and 5 girls were selected on their merit for this prestigious award. The award ceremony was graced by Dr. Sushant Patil, Vice President Dr. E. B Khedkar, Vice Chancellor Dr. Rakesh Kumar Jain, Dr. Kamaljeet Kaur Siddhu Director Technical Campus, on the 22nd December 2024, at the Founder's Day event on the campus.

Founders Day Celebrations

The Founder's Day Awards 2024 ceremony was held on the 22nd December 2024 to celebrate the hard work and contribution of the staff. We are proud to announce that Prof. Amit Shirke received the Best Teachers award, Mr. Kartik Rathod was awarded for best non-teaching staff and Mrs. Alice Swami for best support staff from the School of Architecture.

From the School of Hospitality Management Ms. Pranali Thorat, was felicitated with the prestigious **"Best Teacher Award."**

Dr Vijay Kulkarni

Prof Bindiya Naik

Prof. Pranali Thorat

Mr. Kartik Rathod

Prof. Amit Shirke

Mrs. Alice Swami

Honored for Academic Contribution to Journalism

The book Journalism: Principles, Process, and Practice, focusing on Audio and Video Journalism, is set to enhance the M.A. Mass Communication and Journalism curriculum at YCMOU's Department of Humanities and Social Sciences. Edited by Aditya Havile. The book was officially launched on December 15.

Media: Design & Photography Credits

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Photographer

Raghi Joshi
Event Manager

AJEENKYA

D Y PATIL UNIVERSITY

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