ANNUAL EDITION

2025 - 2026

MALLA REDDY VISHWAVIDYAPEETH

MRV PharmaNexus 25

AI • INNOVATE • TRANSFORM • HEAL

THE FUTURE OF PHARMACY IS INTELLIGENT

EXPLORING THE POWER OF AI IN PHARMACY AND HEALTHCARE

- AI IN DRUG DISCOVERY
- SMARTER RESEARCH
- INTELLIGENT SOLUTIONS
- DATA DRIVEN HEALTHCARE
- BETTER CARE TOMORROW



"INTELLIGENT MINDS.
INNOVATIVE SOLUTIONS.
IMPACTING LIVES.

OUR LEGACY OF EXCELLENCE

Shaping future healthcare professionals through education, research, and innovation.

About the College

The School of Pharmaceutical Sciences and Technology at Malla Reddy Vishwavidyapeeth is dedicated to transforming the future of Pharmaceutical Sciences and Management through digital innovation, emerging technologies, and research-driven education. In alignment with NEP 2020 and evolving global industry demands, we strive to develop highly skilled professionals with a multidisciplinary approach, fostering creativity, critical thinking, and problem-solving abilities to drive innovation and excellence in the pharmaceutical sector.

The college was started in the year 2005, to achieve excellence in the field of Pharmacy. The college has well qualified and dedicated faculty. The Departmenthas been organizing several national conferences, Faculty Development Programs for the benefit of the faculty and student community.

OUR VISION FOR THE FUTURE

- To be a globally recognized center of excellence in pharmaceutical sciences and technology, fostering innovation, digital transformation, and interdisciplinary research to advance healthcare, pharmaceutical management, and patient outcomes
- Expand on Innovation & Technology – Mention emerging fields like AI-driven drug discovery, biotechnology, or personalized medicine.
- Strengthen Global Impact – Add aspects like partnerships with global institutions, international research collaborations, or policy influence.

DRIVEN BY PURPOSE

- **Excellence in Education** – To provide high-quality, industry-relevant pharmaceutical education that equips students with the knowledge and skills to excel in academia, research, and industry.
- **Industry Collaboration** – To establish strong partnerships with pharmaceutical industries, research institutions, and healthcare organizations for experiential learning and innovation.
- Global Impact & Sustainability – To promote sustainable pharmaceutical practices and contribute to the development of cost-effective, accessible, and quality healthcare solutions.



Message from Founder Chairman

"Change does not necessarily assure progress, but progress implacably requires change. Education is essential to change, for education creates enchanting desires and the competence to satisfy them. Our motto is to enlighten, inspire young women to set their hearts on fire, give wings to their dreams and to craft our institution, a quintessential arena to hone their power of knowledge to acts as ambassadors of change and guiding angels of progress in the field of engineering."

- Ch.MallaReddy

Message from

DEAN'S DESK



Dr. H. Ramana
Dean

It gives me immense pleasure to present another edition of PHARMACON, the annual technical magazine of Malla Reddy Institute of Pharmaceutical Sciences. As we embark upon a new academic year, I am delighted to reflect upon the remarkable achievements and progress made by our institution in the pursuit of excellence in pharmaceutical education and research.

Malla Reddy Institute of Pharmaceutical Sciences has consistently upheld its commitment to providing quality education, fostering innovation, and nurturing future healthcare professionals. Guided by the visionary ideals of our Founder Chairman, Ch. Malla Reddy Garu, the institution continues to evolve as a center of academic distinction, professional development, and holistic growth.

The academic year has been marked by several noteworthy accomplishments. Our students have excelled in academics, research activities, co-curricular and extracurricular events, bringing laurels to the institution at various state and national platforms. Their dedication, hard work, and commitment to excellence are truly commendable. We are equally proud of our alumni who continue to contribute significantly to the healthcare and pharmaceutical sectors across the globe.

I am delighted to note that the Editorial Committee has successfully brought out this edition of PHARMACON. The magazine serves as a vibrant platform for students and faculty to express their ideas, showcase their talents, share research insights, and celebrate their achievements. It reflects the creativity, intellectual curiosity, and innovative spirit that characterize the MRIPS community.

I congratulateulate the Chief Editor, Editorial Board, faculty members, and students for their sincere efforts in bringing out this excellent publication. I am confident that this magazine will inspire readers and serve as a valuable record of the institution's accomplishments and aspirations.

I extend my best wishes to all our students for a successful and rewarding academic journey. May they continue to dream big, work hard, and achieve greater heights in their personal and professional endeavors.



Editorial Board Members



Dr.H.Raman
a
Dean



Dr. S.Ravindra Babu
HOD,Pharm D



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Associate Professor



Dr. K.Ravi Kumar
COE



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Associate Professor



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Mrs.A.PRanusha
Assistant Professor



Dr. L.Jyothi Rani
HOD, B.Pharm



Dr. N.KArunakar
HOD,Pharmaceutics

Student Editorial Members



Editorial Message



Mrs. B. Revathi

Associate Professor
Department of Pharmaceutical Chemistry

"Welcome to the edition of Pharmacon – Malla Reddy Institute of Pharmaceutical Sciences Technical Magazine.

While handling over this beautiful piece of creation to all readers, my journey in editorial has always been about learning new things. This task was indeed not an easy one but everyone's contribution and efforts made it possible. Our heartfelt gratitude goes to each one of them.

First and foremost, we are immensely thankful to our chairman, Chh. Malla Reddy Guru for having a great vision in making MRIPS a model institution in the field of Pharmacy and for being a pillar of strength by our side. We sincerely thank our honorable Dean Dr. H. Ramana for showing belief in us to shoulder this huge responsibility. The pursuit of compilation of this idea was only possible because of our Vice Principal Dr. J. Sangeetha. The support of right people and consistent working on things can make us achieve our destination. And this was rightly made by the editorial team of MRIPS. I thank and congratulate the entire team for the constant support and effort to achieve this milestone.

The magazine committee is glad to note that many of the teachers and students have evined interest in the magazine by contributing creatively and interesting articles. This issue is a treasure of case studies, review articles, research articles, and topics related to various branches of Pharmaceutical knowledge.

The Editorial team is looking forward to make this Pharmacon magazine, a vehicle for students to express their creative minds of our promising prodigies.

Thank You "



STUDENT EDITORIAL HEAD *Message*



It gives me immense pleasure to present PHARMACON, a reflection of the creativity, knowledge, achievements, and vibrant spirit of our student community. As the Student Editorial Head, being a part of this edition has been a truly rewarding experience, allowing me to bring together the ideas, contributions, and memories that make our institution special.

This magazine is more than a collection of articles; it is a celebration of our academic journey, student achievements, meaningful events, and the experiences we have shared throughout the year. Every article, photograph, achievement, and creative contribution adds a unique voice to these pages.

I sincerely thank our Dean, faculty members, coordinators, management, editorial team, and all student contributors for their constant encouragement, cooperation, and support. Their efforts have played an important role in bringing this edition to life.

I hope PHARMACON inspires you to explore, learn, create, and continue striving for excellence. May these pages preserve the memories we have created and remind us of the journey we have shared together.

WITH WARM REGARDS
STUDENT EDITORIAL HEAD
K.SHASHANK



Dr. G. Ashok
HOD, Professor
Department of Quality Assurance
Head, Training & Placement Cell



Mr. M. Suresh
Placement Coordinator

TRAINING AND PLACEMENT CELL

Training and Placement Officer, **mripsplacements@gmail.com**

Molla Reddy Institute of Pharmaceutical Sciences has been in the field of Pharmacy for the past 17 years with the intention of spearheading quality education among children from the school level itself. MRIPS has a well-established training and placement cell.

The Placement Cell plays a crucial role in locating job opportunities for Under Graduates passing out from the college by keeping in touch with reputed firms and industrial establishments. The Placement Cell operates round the year to facilitate contacts between companies and graduates. The number of students placed through the campus interviews is continuously rising. On invitation, many reputed industries visit the institute to conduct interviews.

We have been successful in maintaining our high placement statistics over the years and the fact that our students bear the recession blues with record breaking placements itself is a testimony to our quality. Our ingenious alumni have set new standards in the corporate world through their estimable contributions, and it is my firm conviction that we will continue that legacy in the years to come.

The Placement Cell organizes career guidance programmes for all the students starting from first year. The cell arranges training programmes like Mock Interviews, Group Discussions, Communication Skills Workshop etc and it also organizes Public Sector Exam Training for students who are interested to join Government Sectors.

It also invites HR Managers from different industries to conduct training programmes for final year students.

- Developing the students to meet the Industries recruitment process.
- To motivate students to develop Technical knowledge and soft skills in terms of career planning, goal setting.
- To motivate students aspire for higher studies and guiding them to take competitive exams such as GATE, TOEFL, GRE, IES, UPSC, etc.
- Aiming to Place the maximum number of students through on-campus & off-campus interviews conducted by the top companies.

Dr. Ashok
Head, Training & Placement Cell

The Oath of Pharmacist

I swear by the code of ethics of Pharmacy Council of India, in relation to the community and shall act as an integral part of health care team.

I shall uphold the laws and standards governing my profession.

I shall strive to perfect and enlarge my knowledge to contribute to the advancement of pharmacy and public health.

I shall follow the system which I consider best for Pharmaceutical care and counseling of patients.

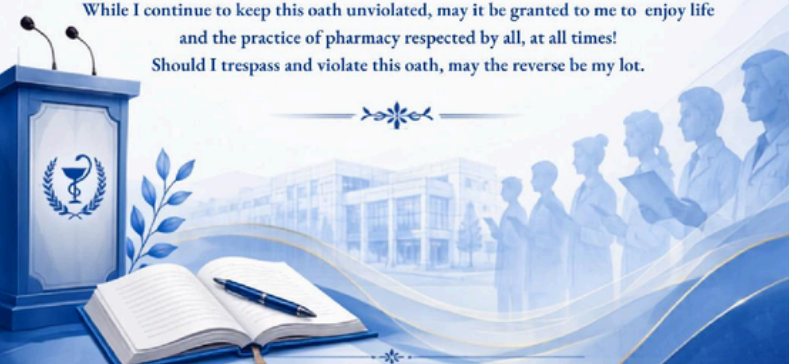
I shall endeavor to discover and manufacture drugs of quality to alleviate sufferings of humanity.

I shall hold in confidence the knowledge gained about the patients in connection with my professional practice and never divulge unless compelled to do so by the law.

I shall associate with organizations having their objectives for betterment of the profession of Pharmacy and make contribution to carry out the work of those organizations.

While I continue to keep this oath unviolated, may it be granted to me to enjoy life and the practice of pharmacy respected by all, at all times!

Should I trespass and violate this oath, may the reverse be my lot.



VISION:

To be a Center of Excellence in Pharmaceutical Sciences, nurturing innovative, ethical, and globally competent professionals through research-driven education.

MISSION:

M1. To impart quality pharmaceutical education through a flexible, updated curriculum aligned with National Education Policy and industry requirements.

M2. To promote research, innovation, and interdisciplinary learning that address emerging global healthcare challenges.

M3. To provide state-of-the-art infrastructure and experiential learning opportunities that enhance practical competency and employability.

M4. To inculcate ethical values, critical thinking, and professional responsibility among students for holistic personality development.

M5. To foster collaborations with industry, healthcare, and research organizations for continuous knowledge exchange and global competence.

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(Approved by Pharmacy Council of India – New Delhi)
A Constituent Unit of Malla Reddy Vishwavidyapeeth,
Deemed to be University
VISHWAVIDYAPEETH
(Deemed to be University)
Proud to be
QCI ACCREDITED
INSTITUTION
ACCREDITED BY
QUALITY COUNCIL OF INDIA
(QCI)
ACCREDITATION GRADE
C
QCI
MRIPS
A RECOGNITION OF OUR COMMITMENT TO QUALITY EDUCATION & EXCELLENCE


Malla Reddy Vishwavidyapeeth
Recognized Among India's Best Colleges"
Congratulations
Medical Category
MALLA REDDY
AIR
71
State Rank #3
South Zone Rank #39
MALLA REDDY
AIR
87
State Rank #8
South Zone Rank #51
Dental Category
MALLA REDDY
AIR
53
State Rank #2
South Zone Rank #27
MALLA REDDY
DENTAL COLLEGE FOR WOMEN
AIR
64
State Rank #3
South Zone Rank #33
Nursing Category
MALLA REDDY COLLEGE OF NURSING
AIR
78
Pharma Category
MALLA REDDY
AIR
62
Engg Category
MALLA REDDY
TECHNICAL CAMPUS
AIR
49

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HACK FEST 2026: INTRODUCTION OF AI IN PHARMA
MRIPS -the first college to implement across the country.

A vision to transform students into innovators.
Over the next two months, students stepped beyond classrooms into the world of Artificial Intelligence, Machine Learning, and real-world problem solving in collaboration with BKIT Solutions.



The Future of Healthcare Innovation: AI, Data & Strategic Transformation

Guests: *Ms. Aino Tsukamoto (Chief Operations Officer, CQI at Intrahealth Inc.) and Mr. Nobuaki Shiotsuki (Chief Revenue Officer, AIY Health) from Japan*.
Hosts: Dean of MRIPS, Dr. H. Ramana, and Dr. Suresh Munuswamy from the School of Digital Health Sciences
Impact on Pharmacy Students:
The event provided valuable insights into how AI, data analytics, and digital transformations are shaping healthcare and pharmacy practices. Students gained perspectives on innovative patient care, research, and career opportunities in pharmaceutical technology.



UBA (Unnat Bharat Abhiyan)



నాంచార్‌పల్లిలో పర్యవేక్షిస్తున్న కమిటీ సభ్యులు

సిద్దిపేట అర్బన్, ఆగస్టు 5 (ఆంధ్రజ్యోతి): భారత ప్రభుత్వ విద్యా మంత్రిత్వశాఖ ప్రారంభించిన జాతీయ కార్యక్రమంలో భాగంగా ఉన్నత్ భారత్ అభియాన్ (యూబీఏ) కమిటీ బుధవారం సిద్దిపేట అర్బన్ మండలం మిట్టపల్లి, పొన్నాల, నాంచార్ పల్లి, వెల్కటూర్, బక్రిచెప్పాల దత్తత గ్రామాల్లో పర్యటించి వివరాలను సేకరించారు. ఉన్నత విద్యాసంస్థలను గ్రామీణ అభివృద్ధిని భాగస్వామ్యం చేసి కాలేజీలు ఐఐటీ, ఎన్ఐటీలు విశ్వవిద్యాలయాల్లోని విద్యాలయాలు ఉమ్మడిగా గ్రామాల అభివృద్ధికి సహకారం అందించడం ఈ కమిటీ ప్రధాన లక్ష్యమని కమిటీ సభ్యులు తెలిపారు. ప్రస్తుతానికి సిద్దిపేట అర్బన్ మండలంలోని ఐదు గ్రామాలను దత్తత తీసుకొనిస్తారక సానిక సమస్యల పరిష్కారం స్వావలంబన విద్యార్థుల భాగస్వామ్యం వంటి అంశాలపై నివేదికను రూపొందించినట్లు కమిటీ సభ్యులు తెలిపారు. గాంధీజీ గ్రామ స్వరాజ్ కలను సాకారం చేయడానికి ఈ కమిటీ ఆదేశించిందని సభ్యులు తెలిపారు. కార్యక్రమంలో కోఆర్డినేటర్ డాక్టర్ ఎన్ రాజిత, ఇంద్రజ, సభ్యులు రామారావు, శేఖర్, లక్ష్మీకాంత్ పాల్గొన్నారు.



సాక్ష

దత్తత గ్రామాల అభివృద్ధిపై ఆరా

సిద్దిపేటఅర్బన్ మండలంలోని దత్తత గ్రామాలైన మిట్టపల్లి, పొన్నాల, నాంచార్ పల్లి, వెల్కటూర్, బక్రిచెప్పాల్‌లో యూబీఏ కమిటీ సభ్యులు పర్యటించి గ్రామ సమస్యలు, అభివృద్ధిపై సమాచారాన్ని సేకరించారు. 'ఉన్నత్ భారత్ అభియాన్' (యూబీఏ) కార్యక్రమంలో భాగంగా బుధవారం యూబీఏ కమిటీ సభ్యులు పర్యటించారు. ఉన్నత విద్యాసంస్థలను గ్రామీణ భారతదేశంతో అనుసంధానం చేసి కాలేజీలు, కాలేజీలు ఐఐటీ, ఎన్ఐటీలు విశ్వవిద్యాలయాల్లోని విద్యాలయాలు ఉమ్మడిగా గ్రామాల అభివృద్ధికి సహకారం అందించడం ఈ కమిటీ ప్రధాన లక్ష్యం అని కమిటీ సభ్యులు తెలిపారు. ప్రస్తుతానికి సిద్దిపేట అర్బన్ మండలంలోని ఐదు గ్రామాలను దత్తత తీసుకొనిస్తారక సానిక సమస్యల పరిష్కారం, స్వావలంబన, విద్యార్థుల భాగస్వామ్యం వంటి అంశాలపై నివేదికను రూపొందించినట్లు కమిటీ సభ్యులు తెలిపారు. గాంధీజీ గ్రామ స్వరాజ్ కలను సాకారం చేయడానికి ఈ కమిటీ పని చేస్తుందని సభ్యులు తెలిపారు.

పాఠ్యాలలో సర్వే నిర్వహిస్తున్న యూతవ కమిటీ సభ్యులు

06/08/2026 | Siddipet | Page : 9
Source : https://epaper.sakshi.com/





The Unnat Bharat Abhiyan (UBA) village visit was successfully completed on 05 August 2026 in the five adopted villages of Siddipet District: Velkatur, Ponnal, Mittapalle, Nacharpalle, and Bakrichapial. During the visit, baseline surveys were conducted, and interactions were held with village officials and residents to identify local needs and development priorities. The programme was coordinated by Dr. N. Rajitha, UBA Coordinator, along with N. Indraja, NSS Coordinator, and UBA members K. Rama Rao, N. Sekhar, and L. Laxmi Kanth. The villagers extended excellent cooperation, and the visit was completed successfully. The collected data will be utilized for planning future UBA activities and community development initiatives.

The Comprehensive Periodic Assessment Committee (CPAC)

The CPAC framework functioned as a continuous evaluation mechanism, designed to monitor student progress beyond routine examinations, with emphasis on academic consistency, mentorship support, and overall development. Students were evaluated across multiple parameters, including:

Academic Performance, Conceptual Clarity and Subject Understanding, Learning Discipline and Academic Engagement

Mentor–Mentee Interaction, Skill Development and Professional Orientation.

















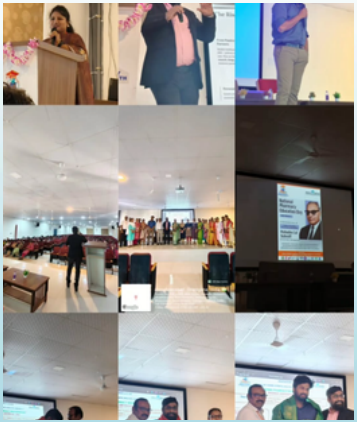
National Pharmacy Education Day – Pharma Anveshan 2026

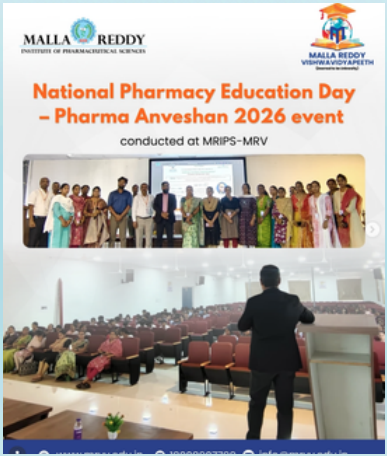
Theme: Future Pharma Ecosystem: Fostering Synergy among Academia, Industry, Regulatory and Practice

ExpertSessions:

1. *Prof. C.S. Mujeebudin*, Founder & CEO, Clinisol Research,* delivered a talk on **"Fostering Synergy among Academia, Industry, Research, Regulatory and Practice".**

2. *Mr. Kurma Manohar, Co-Founder, Xiaonics Pvt Ltd* and an alumnus of MRIPS, spoke on "**Accelerator and Incubation Centres**". He highlighted the role of such centres in bridging industry-academia





National Science Day –February 28





Program Highlights:

1. Expert Talk by *Mr. Abhishek Kumar Singh*, *Regional General Manager, Forest Development Corporation & Ex-Director, Department of Pharmaceuticals.*
Topic: Entrepreneurship and start-up strategies in pharmaceuticals.

2. Guest Speakers:

- *Dr. Neema Kumari*, *Assistant Professor, Research, MRV.*
Topic:_ From Traditional Knowledge to Lifesaving Medicine: The Scientific Journey o Tu Youyou

- *Dr. Ellojitha Priyadarshini Rout, Scientist-III & Grant Management Officer, Director of Research, MRV.*
Topic: Breaking Barriers: Journey of Women in STEM

Winners – Model Presentation:
1st Prize: Nagamallesh, Keerthi and Vaishnavi – Pharm.D 3rd Year
2nd Prize: SaiKiran, Tanmay– Pharm.D 3rd Year
3rd Prize: Manogna, Harika, Vineetha – Pharm.D 3rd Year

Winners – Model Presentation:
1st Prize: Srujana, Nishmitha, and Gnaneshwar – Pharm.D 2nd Year
2nd Prize: Anil,Gayathri, Laasya – B.Pharm II Year
3rd Prize: Harinath Reddy and Satwik Goud – B.Pharm II Year

Winners - E poster Presentation
First Prize: Shashank, B. Pharm 2nd Year
Second Prize: Lekhana and Team, Pharm D 2nd Year
Third Prize : Mahana, PharmD 4th Year

National Science Day –February 28









Journal Club Presentation by B.Pharm II Years



The presentations were impressive, with each team showcasing their findings beautifully. The Dean, Dr. H. Ramana, graced the event and engaged with the students by asking questions and encouraging them to pursue further research. Other notable attendees included Dr. J Sangeeta, Professor, and Dr. Ravindra Babu, HOD of Pharm D, Mrs.B.Revathi, Associate Professor, Mrs.Pranusha, Assistant Professor.

The event was a testament to the students' hard work and creativity, and a reflection of the excellent guidance provided by their mentors. The initiative taken by the BPharm second-year class-in-charges has set a great example for future events, and it's sure to inspire others to follow suit. Kudos to the team for making it a memorable

Campus Transformation In Progress – YES+ Program (Sudarshan Kriya) Underway At MRIPS



The YES+ Program (Sudarshan Kriya) is currently underway at MRIPS in association with the Art of Living Foundation, bringing structured energy and focused engagement into the campus environment.

The ongoing sessions include Sudarshan Kriya, guided meditation practices, structured breathwork, and interactive awareness processes designed to strengthen emotional resilience, mental clarity, and leadership capacity among students.

This initiative reflects MRIPS' commitment to holistic education by integrating inner development with academic excellence. At the conclusion of the workshop, certificates were distributed to the students in recognition of their successful completion. The entire experience was truly joyful and enriching for both students and faculty members, fostering a spirit of positivity, connection,

Mock Fire Drill Conducted at MRIPS as Part of QCI Quality and Safety Initiative Assurance



A mock fire drill was conducted at Malla Reddy Institute of Pharmaceutical Sciences (MRIPS) to ensure preparedness in case of a fire emergency. The drill was part of the Quality Assurance initiative by QCI.

Highlights of the Drill:

- Fire Alert & Siren: The drill started with a fire alert siren, signaling students and staff to evacuate the premises.
- Evacuation: Students and staff safely evacuated the building following emergency exit routes.
- Fire Extinguisher Demonstration: Firemen demonstrated the use of fire extinguishers and water hydrants.
-Safety Measures: Dean Dr. H. Ramana briefed on essential safety measures

Workshop Report – "Scheme for Strengthening of Medical Device Industry (DoP–LSSSDC)"



The Pharm.D 4th year students of Mallareddy Institute of Pharmaceutical Sciences (MRIPS), along with our faculty Ms. V. Harika, attended the Workshop The workshop was conducted at the Auditorium, NIPER Hyderabad, from 2:00 PM to 5:00 PM. The session provided valuable insights into two major schemes introduced to strengthen the medical device sector and reduce import dependence.

The key schemes highlighted during the workshop included:

Marginal Investment Scheme for Reducing Import Dependence (Financial Outlay – ₹180 Crore) Medical Device Clinical Study Support Scheme (Financial Outlay – ₹100 Crore).

Freshers' Event – Seraphic Fresher's Party

Mr. Fresher (B.Pharm) – Guna
Mr. Fresher (Pharm.D) – Sai
Miss Fresher (Pharm.D) – Varshitha
Miss Fresher (B.Pharm) – Bhavani



Community Health Outreach Programme by our Pharm D students at various districts of Telangana





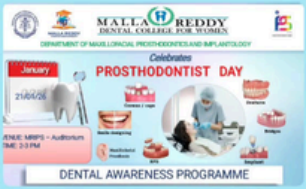








The **Prosthodontist Day event** organized by the Department of Maxillofacial Prosthodontics and Implantology, **Malla Reddy Dental College for Women, was held on 21/01/26 at the MRIPS Auditorium** from 2–3 PM. The event was successfully organized under the guidance of *Dean Sir Dr. H. Ramana. Mrs. Revathi* coordinated the program, while *Mr. Shukla* handled all arrangements. Dean Sir received *Professor from MRDCW Dr. Banu Chander* and his team for the occasion. The program commenced with a session delivered by a senior faculty member from MRDCW, followed by an oral dental check-up at MRIPS for both students and staff. All participating faculty thanked MRIPS Dean Sir Dr. H. Ramana and **MRDCW Dean Dr.Chittaranjan** for their support and leadership in making the event a success.























Our Achievers of the Year 2026







Malla Reddy Institute of Pharmaceutical Sciences (MRIPS), part of Malla Reddy Vishwavidyapeeth (Deemed to be University) organized a **guest session with Tarun Gupta, Founder & CEO of VaidyaRx.**

Dr. H. Ramana – Dean, MRIPS welcomed Tarun Gupta – Founder & CEO, VaidyaRx (guest speaker), Dr. Suresh Munnuswamy – Dean, School of Digital Health Sciences and Dr.Manthan Janodia -Registrar, MRV.

Motivational session by industry leaders like him focussed on inspiring innovation, entrepreneurship, and professional growth in fields such as **pharmaceuticals and digital health.**

Dr.Suresh Sir also spoke on importance of AI in healthcare encouraging students to work on projects on similar lines.











Visit to Pharma Pro & Pack Expo 2026

A group of students from Malla Reddy Institute of Pharmaceutical Sciences (MRIPS) visited the Pharma Pro & Pack Expo 2026 at HITEX Exhibition Centre, Hyderabad. The participants were: R. Aditya, N. Guruvarunji, D. Farooq, Vamshi Krishna, K. Ravi, B. Srujan, Rohith led by faculty Mrs. Priyadarshini. The visit also enabled the students to understand current industry trends, technological advancements, and career opportunities in pharmaceutical manufacturing. The exposure bridged the gap between classroom learning and industrial practice while enhancing their technical knowledge and professional outlook.



International Day Against Drug Abuse and Illicit Trafficking Rally Conducted by MRIPS



(MRIPS), Maisammaguda, observed the _International Day Against Drug Abuse and Illicit Trafficking_ by organizing an awareness rally on 30th June 2026.

The rally was conducted from MRIPS Campus, Maisammaguda to Bahadurpally with the kind permission of Dean, Dr. H. Ramana sir . The event was organized by NSS Programme Officer, Ms. N. Indraja.

1st year Pharm.D and B.Pharm students along with 3rd year B.Pharm students actively participated. Students spread awareness through placards and slogans like _“Say No to Drugs, Yes to Life”_, _“Choose Health, Not Drugs”_, and _“Drug-Free Youth, Strong Nation”_, highlighting the dangers of drug abuse and the need for prevention and rehabilitation.

Sub-Inspectors Shri Maheshwar Reddy and Shri Srinivas Rao, Pet Basheerabad PS, Secunderabad joined the rally and extended their full support for the cause. Thank to suresh sir for supporting throughout rally.

The rally successfully conveyed the message of _“Awareness Today for a Better Tomorrow” and witnessed enthusiastic participation from students and staff.

Poster Presentation & Debate Competition – MRIPS Conference on Advances in Clinical Trials

1. Poster Presentation Competition
Judge: Mr. Hanumantha Rao Karedla, Director, Amgen
Students presented research posters enthusiastically.
Winners:
1st - Rupa, 2nd - Mohan Lakshmi , 3rd - Harshit,

2. Debate Competition
Topic: _Benefits and Risks of Artificial Intelligence in Clinical Trials_
Moderator: Prof. C.S. Mujeebuddin
Judges: Ms. Samyukta Saive, Sun Pharma & Mr. Hanumantha Rao Karedla
Winners: Rupa, Mohana Lakshmi, Asfia, Varun, Nidha and team won the competition.



Panel Discussion – MRIPS Conference titled Advances in Clinical Trials with ISCR

1. Patient as Partner, Not Subject: All panelists agreed that future trials must be designed "with patients, not just for patients". Ms. Samyukta from Sun Pharma shared how patient advisory boards are now involved in protocol design to reduce visit burden.
2. Role of Technology: Mr. Ravi Teja & Mr. Fahd Khan discussed Decentralized Clinical Trials, wearables, eConsent, and telemedicine. They emphasized that tech must improve convenience without compromising data integrity for CDSCO approval.
3. Industry-Academia Collaboration: Dr. Ravindra Babu from MRIPS highlighted what colleges can do — update curriculum, more patient communication training, and live projects. Mr. Hanumantha Rao Karedla, ISCR, added that ISCR memberships, certifications, and workshops help bridge the skill gap.
4. Challenges: Panelists addressed patient recruitment, retention/dropouts, data privacy, and digital literacy as key hurdles in India. Solutions discussed included simplified consent forms, local language support, and training site staff.
5. Future Skills for Students: Moderator Prof. Mujeebuddin asked each panelist for 1 advice. Common answers: strong GCP knowledge, empathy/communication skills, basic data handling, and understanding of Real-World Evidence. Panelists urged MRIPS stud



POOL CAMPUS PLACEMENT DRIVE 2026

Hetero and Aurobindo Pharma, who conducted recruitment for key departments including QA, QC, Production, and R&D. The presence of these reputed companies highlighted the industry's confidence in the talent nurtured at MRIPS.



The event witnessed enthusiastic participation from over 170 students across multiple institutions, including Malla Reddy College of Pharmacy, CMR College of Pharmacy, and Malla Reddy Pharmacy College. This collaborative pool campus format strengthened peer learning and competitive spirit among future pharmacy professionals.

A One Day Seminar as a part of IIC - MIC driven activity on "Science and R&D Strengthened by AI" with the theme "Human Capital Enhancement for AI Ready Workforce"



A One Day Seminar as a part of **IIC - MIC driven** activity on "**Science and R&D Strengthened by AI**" with the theme "**Human Capital Enhancement for AI Ready Workforce**" was successfully organized by the Malla Reddy Institute of Pharmaceutical Sciences (MRIPS) under Malla Reddy Vishwavidyapeeth (Deemed to be University), Hyderabad, on 04 February 2026 at MRIPS.

The programme was conducted under the esteemed guidance of Dr. H. Ramana, Dean & Professor, MRIPS and IIC President, whose name leadership, academic vision, and continuous support played a vital role in the successful organization of the seminar.
The seminar aimed to create awareness among students and faculty about the growing role of Artificial Intelligence in strengthening scientific research and R&D activities, and to emphasize the importance of preparing human capital for an AI-driven workforce.

The expert talk was delivered by Mr. Dharmaraju Caleb, Technical Team Leader and AI Expert, who served as the Resource Person for the programme.

The speaker provided valuable insights into the integration of AI in scientific research, innovation, and development.

He highlighted how AI technologies enhance research efficiency, decision-making, and productivity across various domains. The session also focused on skill development and the need for adapting to emerging AI technologies in professional careers.

World Cancer Day Program
ZPHS School, Suraram.

Awareness Sessions: Causes of cancer, prevention strategies, and management of side effects were discussed for secondary and high school students. Activities: Interactive sessions and a quiz competition on cancer facts engaged students.
Target Audience: 200 students from ZPHS School participated.

NSS & Pharm D Students: 2nd, 3rd, 4th year students actively participated. ZPHS School Staff: Cooperated in hosting the event.











The 2nd-year B.Pharm and Pharm D students organized a vibrant **cancer awareness session** for the entire college fraternity. The program featured a skit enacted by the students to grab attention and convey the message effectively. Following the skit, speeches were delivered highlighting cancer statistics, emphasizing the importance of spreading awareness, discussing modern-day causes of cancer, and explaining diagnostics and treatment options.

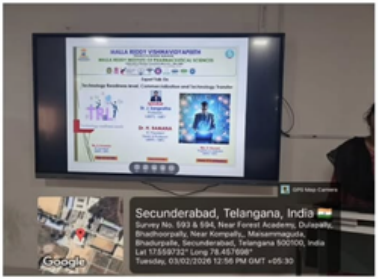
The event was organized by Mrs. B. Revathi, Cultural Committee Coordinator, who guided the students in setting up the awareness program. The Vice Principal, Dr. J. Sangeeta, concluded the program by appreciating the students for their wonderful skit performance and shared tips on prevention and what pharmacy professionals can do to contribute to cancer care and awareness.



A *One Day Expert Talk* on "**Technology Readiness Level (TRL), Commercialization and Technology Transfer**" was successfully organized by the Malla Reddy Institute of Pharmaceutical Sciences (MRIPS), under Malla Reddy Vishwavidyapeeth (Deemed to be University), Hyderabad, on 03 February 2026 at the I Year B.Pharmacy Seminar Hall, MRIPS.

The event aimed to create awareness among students and faculty about the importance of Technology Readiness Levels, the process of commercialization, and mechanisms involved in technology transfer from academia to industry. The expert session was delivered by Dr. J. Sangeetha, Professor, MRIPS – MRV, who served as the Resource Person for the programme. The speaker provided comprehensive insights into the concept of Technology Readiness Levels (TRLs), explaining the various stages involved in the development and validation of technologies. Special emphasis was laid on the transition of research outcomes into commercially viable products and the role of innovation, intellectual property rights, and institutional support in technology transfer.









A *One Day Seminar* on "***Hyphenated Techniques for Identification of Organic Compounds"*** was successfully organized by the Department of Pharmaceutical Analysis, Malla Reddy Institute of Pharmaceutical Sciences (MRIPS) on 30 January 2026 at the MRIPS Auditorium. The inaugural session formally marked the beginning of the seminar. The academic sessions were delivered by eminent resource persons who provided in-depth knowledge on advanced analytical techniques used in pharmaceutical and medicinal plant research. Session I was delivered by *Dr. Pankaj Singh, Scientist-D, ICFRE–Institute of Forest Biodiversity, Hyderabad,* on the topic "**Application of HPLC and LC-MS Techniques in Identification and Quantification of Secondary Metabolites in Important Medicinal Plants.**" The session highlighted the practical applications of HPLC and LC-MS in phytochemical analysis, standardization, and bioactivity profiling using real-world examples.

Session II was conducted by *Dr. Gangarapu Kiran, Professor, Anurag University,* on "**Spectral Identification of Organic Compounds using NMR.**" The speaker elaborated on the principles of ^{1}H-NMR and ^{13}C-NMR, sample preparation, and spectral interpretation for accurate structural elucidation of organic compou



Regulatory affairs and drug product life cycle management in emerging markets



The department of Regulatory Affairs, Malla Reddy Institute Of Pharmaceutical Sciences, Malla Reddy Vishwavidyapeeth, conducted one day seminar on "**Regulatory affairs and drug product life cycle management in emerging markets**". We express our sincere gratitude to our Chief Patron Sri. Ch. Malla Reddy, Founder Chairman, MRGI, for his constant inspiration and support. We are thankful to our Patrons Sri. Ch. Mahender Reddy, Smt. Ch. Shalini Reddy, Dr. Ch. Bhadra Reddy, Dr. Ch. Preeti Reddy, and Sri. P. Praveen Reddy for their encouragement. We extend our heartfelt thanks to the Advisory Committee members for their valuable guidance. Our sincere gratitude to Dr. H. Ramana (Convenor) and Dr. N. Karnakar (Co-Convenor) for their dedicated efforts in organizing the seminar.

We sincerely thank the resource persons Mr. Sunil Chandupatla, Mr. Ramesh Korra, and Mr. Madhu Sudhan K for sharing their expert knowledge. We also acknowledge the tireless support of the Organizing Secretary Dr.K.Sudhammani, Organizing Members, faculty, sponsors, and students, whose cooperation made this event a grand success.Finally, we extend our special thanks to Mr.Virendra Shukla A.O for his support and assistance throughout the program.

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Blood Type at Fingertip: AI-BasedBlood Group Detection Using Fingerprint Analysis



In recent years, Artificial Intelligence (AI) hastransformed various fields, especially healthcare,by introducing faster, smarter, and automatedsolutions. The project **"Blood Type at Fingertip"**focuses on developing an AI-based system thatattempts to detect a person's blood type throughfingerprint analysis. The proposed system usesbiometric fingerprint patterns as the primary inputand applies machine learning algorithms to analyzeunique features present in fingerprints.

Every individual has a unique fingerprintstructure consisting of ridges, valleys, textures, andpatterns. In this project, fingerprint images arecollected, processed, and converted intomeaningful feature data. The system identifiesspecific fingerprint characteristics and groupssimilar patterns into clusters using fingerprintclustering techniques
. These extracted featuresare then compared with a prepared databasecontaining fingerprint samples and their associatedblood group
information. Based on the learnedpatterns, the AI model predicts the most likelyblood type of the user.

The system architecture consists of multiple stages, including fingerprint imageacquisition, preprocessing, feature extraction, cluster analysis, database management, and AI-based prediction. Image enhancement techniquesare applied to improve fingerprint quality, removenoise, and highlight important ridge patterns. Thedatabase
stores fingerprint records, extractedfeatures, and blood type labels, allowing thesystem
to analyze previous data and improveprediction accuracy over time.

The main objective of this project is to create aquick, non-invasive, and user-friendlyalternative for preliminary blood groupidentification. Unlike conventional bloodtesting methods that require blood samples,this approach aims to provide a simplefingertip-based analysis method. The systemcan have potential applications in emergencyhealthcare, patient identification, medicalrecords, and rapid screening environments.

The project combines concepts from**Artificial Intelligence, Machine Learning,Biometrics, Pattern Recognition, and DatabaseManagement** to develop an innovativehealthcare technology solution. While thesystem requires extensive datasets and medicalvalidation before practical implementation, ithighlights the future possibilities of AI inbiometric-based health analysis and personalizedhealthcare services.

Keywords: Artificial Intelligence, FingerprintAnalysis, Blood Group Detection, MachineLearning, Fingerprint Clustering, HealthcareTechnology, Database System.

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M.Vishnu Vardhan
A.Santhosh
B.Pharm I Year

SYNCING THE HEART BEAT WITH AI

Cardiovascular diseases remain a leading cause of global mortality, requiring constant monitoring and accessible patient education.

However, the gap between specialist availability and patient needs often leads to delayed information and poor management of heart health. This project aims to bridge this gap by developing an intelligent, conversational AI chatbot focused on cardiac care. Built on the Rasa Open Source framework, the assistant provides a scalable solution for heart health screening, symptom tracking, and patient engagement. The chatbot utilizes Natural Language Understanding (NLU) to interpret user intents related to heart health, such as chest pain symptoms, medication reminders, and lifestyle queries. By leveraging Rasa's Machine Learning-based dialogue management, the bot maintains context-aware conversations. The architecture includes custom actions for [mention a specific feature, e.g., calculating BMI or checking heart rate data] and is designed to be easily integrated across various messaging platforms. The implementation demonstrates a high degree of accuracy in intent recognition and entity extraction, ensuring users receive reliable information. Unlike rule-based bots, this Rasa-driven assistant handles "digressions" (interruptions in conversation) effectively, providing a more human-like and empathetic experience for patients concerned about their heart health. This project highlights the potential of AI to democratize specialized medical information. By providing a 24/7 accessible cardiac assistant, we can improve patient literacy and offer a vital tool for early intervention in heart-related conditions on a global scale.

Ms. Gayatri Sahoo,
Ms. Humera Kousar,
Neha Begum, Sahith
Umesh Chandra,
B.Pharm I Year

The Future of Healthcare Innovation: AI, Data & Strategic Transformation

The Malla Reddy Institute of Pharmaceutical Sciences (MRIPS), in association with the School of Digital Health Sciences & Technology, successfully organized an inspiring session titled **"The Future of Healthcare Innovation: AI, Data & Strategic Transformation"** on **19th February 2026** at the MRIPS Auditorium.

The program featured distinguished international speakers from Japan, **Ms. Aino Tsukamoto**, Chief Operations Officer, CQI at Intrahealth Inc., and **Mr. Nobuaki Shiotsuki**, Chief Revenue Officer at AIY Health. The event was hosted by **Dr. H. Ramana**, Dean of MRIPS, along with **Dr. Suresh Munuswamy** from the School of Digital Health Sciences & Technology.

The session focused on the transformative role of **Artificial Intelligence, data analytics, and digital technologies** in modern healthcare. The speakers highlighted how these innovations are revolutionizing patient care, clinical decision-making, pharmaceutical research, and healthcare management. Through insightful discussions and real-world examples, participants gained a deeper understanding of how emerging technologies are shaping the future of medicine and pharmacy.

The event proved to be highly beneficial for pharmacy students, providing valuable exposure to global healthcare trends and expanding their perspective on future career opportunities in digital health and pharmaceutical innovation. Students appreciated the relevance of the topics discussed and actively engaged throughout the session.

The institute expresses its sincere gratitude to **Dr. Suresh Munuswamy** for facilitating this international collaboration and bringing eminent experts from Japan to interact with the students. Special thanks are also extended to the management of MRIPS, the School of Digital Health Sciences & Technology, the invited speakers, faculty members, and the organizing committee for making the event a grand success.

The program concluded with a shared vision of strengthening academic–industry collaborations and integrating emerging technologies into pharmaceutical education, ensuring that students are well-prepared for the rapidly evolving landscape of healthcare innovation.

The institution sincerely acknowledges the support of the MRIPS Management, the School of Digital Health Sciences & Technology, the invited guest speakers, faculty memberAs, organizing committee, and student volunteers whose collective efforts ensured the grand success of the program. Their dedication created an inspiring platform for knowledge sharing, innovation, and professional development.



The event concluded on a highly positive note, reinforcing MRIPS's commitment to promoting technological excellence, global collaborations, and innovative learning experiences. The discussions laid a strong foundation for future initiatives aimed at integrating Artificial Intelligence, digital health, and advanced data-driven approaches into pharmaceutical education, ultimately preparing students to become competent healthcare professionals equipped for the future of medicine.

Sangeetha Rajbhatt
B.Pharm III Year

Lungs: Structure, Functions, and Importance in Respiration

The Lungs Rasa AI Chatbot is an Artificial Intelligence (AI) based healthcare chatbot developed using the Rasa framework. It is designed to provide users with accurate and easy-to-understand information about lung health.

The chatbot uses Natural Language Processing (NLP) to understand user queries and respond in a conversational manner. This enables users to interact with the system naturally.

The main objective of the project is to spread awareness about lung diseases and encourage healthy respiratory habits among users.

The chatbot provides information about the structure and function of the lungs, helping users understand the importance of a healthy respiratory system.
It answers questions about common lung diseases such as asthma, pneumonia, tuberculosis (TB), bronchitis, chronic obstructive pulmonary disease (COPD), and lung cancer.

The chatbot explains the symptoms of these diseases, including cough, fever, chest pain, wheezing, shortness of breath, and fatigue.

It also provides information about the causes of lung diseases, such as smoking, air pollution, infections, allergies, and exposure to harmful chemicals.

The chatbot educates users about preventive measures like avoiding tobacco, maintaining good hygiene, wearing masks in polluted areas, exercising regularly, and following a healthy lifestyle.

Users can learn about basic diagnostic methods, including chest X-rays, CT scans, sputum tests, pulmonary function tests, and blood tests.

The visual methodology relied exclusively on cutting-edge generative. AI ecosystems to construct a realistic and convincing digital avatar. By employing sophisticated video synthesis algorithms, the team was able to digitally render a representation of the institutional leadership, capturing the necessary formal presence and authoritative mannerisms required for a high-level address. This process bypassed the traditional logistical constraints of filmmaking—such as physical camera work, lighting setups, and scheduling—while still producing a high-fidelity visual output.

Parallel to the visual creation, the auditory component was entirely manufactured through advanced voice cloning technology. A custom script emphasizing the college's foundational values and the innovative spirit of the hackathon was processed through sophisticated AI models. These models
were utilized to generate natural, dynamic speech patterns from scratch. The synthetic audio was meticulously refined to ensure it captured
the appropriate cadence, professional tone, and
emotional resonance expected of an
academic chairman.

A critical and technically demanding phase of the project was the algorithmic integration of these distinct visual and auditory assets. The student team utilized precise lip-syncing and facial animation models to map the generated voice seamlessly onto the digital avatar. Achieving
this accurate audio-visual alignment was essential to ensure the final output appeared cohesive, naturally conversational, and highly engaging for the target audience of students, faculty, and hackathon participants.

Ultimately, this fully synthetic promotional video serves as a powerful testament to student-led innovation and the expanding horizons of artificial intelligence. By successfully producing a professional-grade digital asset from scratch, these pharmacy students have demonstrated the immense potential of cross-disciplinary
technical proficiency. The project not only sets a new standard for creative hackathon presentations but also underscores the broader reality that the future of healthcare and pharmaceutical sciences will be heavily intertwined with AI-driven technologies.

M.HASAN,
M.VISHNU VARDHAN
B . P h a r m I Y e a r

Brain Chatbot – An AI-Based Clinical Assistant for Brain Health Support

The Brain Chatbot is an Artificial Intelligence (AI)-powered clinical assistant developed to provide accessible and interactive support for brain health-related queries. The project aims to bridge the gap between patients and healthcare information by utilizing Natural Language Processing (NLP) and Machine Learning (ML) techniques to understand user concerns and provide meaningful responses in real time.

The chatbot is designed to assist users in identifying possible neurological and mental health concerns by analyzing symptoms, answering medical queries, providing health education, and guiding users toward appropriate healthcare resources. The system processes user inputs through conversational AI, identifies the intent behind queries, and generates personalized responses while maintaining a simple and user-friendly interaction.

The proposed system can support early awareness of neurological conditions, improve patient engagement, and enhance accessibility to healthcare information. By integrating AI-based decision support, the Brain Chatbot demonstrates the potential of intelligent healthcare systems in preventive care, patient education, and preliminary clinical assistance.

This project highlights the application of AI in modern healthcare by combining conversational technology with medical knowledge to create an efficient, scalable, and accessible digital health assistant. The Brain Chatbot can serve as a supportive tool for improving health awareness while encouraging users to seek professional medical advice when required.

Keywords: Artificial Intelligence, Clinical Chatbot, Brain Health, Neurology, Natural Language Processing, Machine Learning, Digital Healthcare, Patient Support.

Maseeha, Siri, Lakitha
B.Pharm I Year

Skin Cancer Detection – An AI-Based Early Diagnosis Support System

The Skin Cancer Detection System is an Artificial Intelligence (AI)-based healthcare solution developed to support the early identification of skin cancer through advanced image analysis techniques. The project aims to provide a rapid, accessible, and efficient screening approach by utilizing Machine Learning (ML) and Deep Learning (DL) methodologies, particularly Convolutional Neural Networks (CNNs), to analyze and classify skin lesion images.

The system is designed to detect abnormal skin patterns by evaluating important visual features such as lesion color, texture, shape, and structural characteristics from medical images. Using AI-based image processing, the model can classify skin lesions and provide preliminary detection results that may assist in early screening and awareness.

The proposed system focuses on improving access to dermatological support by providing a digital platform for preliminary skin health assessment. By combining computer vision and deep learning algorithms, the project demonstrates the potential of AI in medical image analysis, preventive healthcare, and early disease detection.

This project highlights the application of Artificial Intelligence in healthcare by developing an innovative, scalable, and user-friendly solution for skin cancer screening. While the system is intended as a supportive diagnostic aid and not a replacement for professional medical evaluation, it can help promote early consultation and improve awareness regarding skin cancer risks.

Dev Sri, Sansita
Pharm D I Year

Seraphic Fresher's Party 2026 – A Grand Welcome to New Beginnings

The Malla Reddy Institute of Pharmaceutical Sciences (MRIPS) celebrated one of the most anticipated events of the academic year, **"Seraphic Fresher's Party 2026,"** with great enthusiasm and grandeur. The two-day celebration was organized to warmly welcome the newly admitted students into the MRIPS family while fostering friendships, teamwork, and a sense of belonging among all students. The event was filled with excitement, cultural performances, and memorable moments, making it a truly unforgettable experience for everyone present.

The celebrations commenced on **12th February 2026** with the grand **banner release ceremony**, where the official event title, **"Seraphic,"** was unveiled. The launch was accompanied by an energetic flash mob performance organized by the students, instantly creating a vibrant atmosphere across the campus. The surprise performance attracted enthusiastic participation from students and faculty members alike, building anticipation and excitement for the main event scheduled for the following day.

The grand **Fresher's Celebration** was held on **13th February 2026** at **9:30 AM** in the MRIPS Auditorium. The event was graced by the esteemed **Chief Guest, Dr. Sudhakar Sir (MRCP).**

whose presence added prestige to the occasion. He was warmly welcomed and felicitated by the Dean of MRIPS, **Dr. H. Ramana**, in the presence of faculty members, students, and distinguished guests. The inaugural ceremony began with the traditional **lighting of the lamp**, symbolizing the pursuit of knowledge, wisdom, and a bright future for the newly joined students.

The event was meticulously planned and successfully executed by the **Second-Year B.Pharm and Pharm.D students** under the dedicated guidance of **Mrs. Revathi, Mr. Prasad, and Mrs. Pranusha**. The Class Representatives (CRs) of both programs, along with numerous student volunteers, worked tirelessly through various organizing committees to ensure the smooth execution of every segment of the celebration. Their remarkable teamwork, coordination, and commitment played a significant role in making the event a resounding success.

The celebration concluded with an energetic **DJ session**, where students enthusiastically participated in music and dance, creating an atmosphere filled with joy, laughter, and unforgettable memories. The event not only provided entertainment but also strengthened friendships, promoted teamwork, and created a welcoming environment for the freshers as they embarked on their academic journey at MRIPS.



The organizing committee extended heartfelt gratitude to **Mr. V. Shukla, Administrative Officer**, for his constant encouragement and valuable support throughout the planning and execution of the event. Sincere appreciation was also conveyed to the management, faculty members, volunteers, and every student whose collective efforts made **"Seraphic Fresher's Party 2026"** a grand success.

K.Shashank

B.Pharm II Year

Neuro Care AI

Neuro Care AI is an advanced AI-powered healthcare platform developed to assist in the early detection, monitoring, and management of neurological disorders such as Parkinson's disease, Alzheimer's disease, epilepsy, and other cognitive or neurodegenerative conditions. The system integrates multiple artificial intelligence technologies, including machine learning, deep learning, predictive analytics, and conversational AI, to provide comprehensive neurological health support.

The platform analyzes diverse data sources such as patient symptoms, medical history, cognitive assessment results, speech patterns, movement data, EEG signals, wearable sensor data, and emotional health indicators to identify potential neurological risks and generate personalized health insights. Neuro Care AI features intelligent disease prediction models, real-time patient monitoring, symptom tracking, emotion and behavioral analysis, medication and appointment reminders, and an AI-powered healthcare assistant that offers guidance and educational support.

To improve accessibility and continuity of care, the platform enables remote monitoring and telehealth support, allowing patients, caregivers, and healthcare professionals to stay connected and informed.

The system provides data-driven recommendations and risk assessments that can help facilitate timely medical intervention and better treatment planning. By combining early diagnosis, continuous monitoring, and personalized care recommendations within a single ecosystem, Neuro Care AI aims to enhance patient outcomes, reduce healthcare burdens, and make neurological care more accessible, efficient, and proactive.

This project demonstrates the potential of artificial intelligence in transforming neurological healthcare by providing intelligent, scalable, and user-centric solutions that support both patients and medical professionals in delivering more effective and personalized care.

Nida, Hazra

B.Pharm I Year

Rasa enables the chatbot to recognize user intent, identify important keywords, and generate relevant responses based on the conversation.

The chatbot is designed with a simple and user-friendly interface so that people of all age groups can use it easily.

Students can use the chatbot as a learning tool to improve their knowledge about the respiratory system and lung diseases.

Patients can use it to understand common symptoms and learn general health information before consulting a healthcare professional.

The chatbot reduces the time required to search for health information across multiple websites by providing answers in one place.

This project demonstrates the practical application of Artificial Intelligence and NLP in the healthcare sector.

The chatbot promotes health awareness and encourages users to seek early medical attention when they notice warning signs of lung disease.

be more sustainable, cost effective and accessible. Transporting the tablets would also be easier who currently have to think about keeping their doses cool.

Although it provides useful educational information, the chatbot does not diagnose diseases or replace doctors and medical professionals.
Future improvements may include multilingual support, voice-based interaction, hospital appointment booking, medicine reminders, and emergency healthcare guidance.

The chatbot can also be integrated with hospital databases and electronic health record systems to improve healthcare services in the future.

This project highlights the importance of conversational AI in making healthcare information mor

The Lungs Rasa AI Chatbot is a cost-effective and efficient solution for promoting respiratory health awareness through modern technology.

Overall, the project combines Artificial Intelligence, Natural Language Processing, and the Rasa framework to create an intelligent healthcare assistant that educates users, improves awareness about lung diseases, and supports better understanding of respiratory health while encouraging timely consultation with healthcare professionals.

A.Shashikanth Reddy ,
N.Sahithi Goud, Humera Kousar,
G.Sai Charan
B.Pharm I Year

Interdisciplinary AI Application in Institutional Communication

This project presents the conceptualization, development, and execution of a fully synthetic digital media presentation featuring the Chairman of the Malla Reddy Institute of Pharmaceutical Sciences. The primary objective of this initiative was to articulate the institution's esteemed legacy, highlight its academic grace, and formally introduce an upcoming hackathon.
Notably, the entire production was engineered from the ground up without utilizing any pre-existing raw video footage or source audio recordings of the leadership, representing a significant breakthrough in resource-independent media creation.
What makes this endeavor particularly groundbreaking is the interdisciplinary nature of its creators. Executed entirely by undergraduate pharmacy students, the project represents a bold crossover from traditional life sciences into the complex domain of generative artificial intelligence. This initiative highlights a paradigm shift in modern education, where students in healthcare disciplines are actively acquiring and applying deep-tech computational skills, proving that advanced AI development is no longer confined solely to computer science departments.

Guru Purnima Celebrations at MRIPS

Guru Purnima was celebrated at **Malla Reddy Institute of Pharmaceutical Sciences (MRIPS)** with great reverence, enthusiasm, and a deep sense of gratitude towards teachers and mentors. The celebration was organized through the initiative of students from **Pharm.D Second Year, Pharm.D Fourth Year, and B.Pharmacy Second Year**, who came together to honor the invaluable contribution of their teachers in guiding, inspiring, and shaping the lives of students. The programme served as a meaningful reminder of the enduring relationship between a guru and a learner and the important role of mentorship in academic and personal development.

As part of the celebration, the faculty members of MRIPS felicitated and honored **Dr. H. Ramana, Dean, MRIPS**, expressing their appreciation for his inspiring leadership, constant encouragement, and unwavering support towards the academic community. The programme also featured an engaging and insightful interactive session by **Dr. L. Jyothi Rani**, who spoke about the significance of gurus in shaping individuals and contributing to the development of society. Her address emphasized the values of knowledge, guidance, discipline, gratitude, and the responsibility of learners to carry forward the wisdom received from their mentors. In recognition of her valuable contribution and insightful presentation, **Dr. H. Ramana** presented her with a Certificate of Appreciation.

Addressing the gathering, **Dr. H. Ramana** extended his heartfelt Guru Purnima wishes to all the faculty members and students. He also expressed his respect and gratitude towards his own guru, **Sri C.H. Malla Reddy Garu**, acknowledging his guidance, vision, and lasting influence. The celebration concluded on a joyful and meaningful note, reinforcing the timeless values of **respect, gratitude, mentorship, knowledge, and lifelong learning**. The programme beautifully reflected the spirit of Guru Purnima and highlighted the importance of recognizing and cherishing the teachers who continue to inspire generations through their wisdom and dedication.







Nishanth
Pharm.D 3rd year

Unnat Bharat Abhiyan (UBA) Orientation Programme

The **Unnat Bharat Abhiyan (UBA) Orientation Programme** was successfully organized by **Malla Reddy Institute of Pharmaceutical Sciences (MRIPS)** on **9th July 2026** at the MRIPS Auditorium. The programme aimed to introduce students and faculty members to the vision and objectives of UBA and to emphasize the important role of educational institutions in contributing to the development of rural communities. The orientation provided a meaningful platform to highlight the connection between academic learning, social responsibility, and community development.

The programme commenced with the traditional **lighting of the lamp**, followed by an invocation and welcome address, marking the formal beginning of the event. The occasion was graced by **Dr. Debendra Nath Dash, UBA-RCI Coordinator, University of Hyderabad**, as the Guest of Honour. **Dr. H. Ramana, Dean, MRIPS**, **Mr. Virendra Kumar Shukla, Administrative Officer**, members of the UBA Cell, faculty members, and students were also present.

Their participation reflected the institution's commitment towards promoting community-oriented education and encouraging students to actively engage in initiatives that contribute to social development.

During the programme, **Mrs. Rajitha, UBA Coordinator**, highlighted the significance of the **Unnat Bharat Abhiyan** in creating meaningful connections between higher educational institutions and rural communities. She emphasized the importance of understanding the needs and challenges faced by rural populations and encouraged students to view community engagement as an integral part of their educational journey. The orientation provided students with a broader perspective on how their knowledge and skills can be utilized beyond the classroom to support sustainable rural development.

Dr. Debendra Nath Dash delivered an inspiring address, encouraging students to actively participate in community service and contribute towards the upliftment and development of rural communities.





Dr.Rajitha
UBA Coordinatorr

A RASA AI Chatbot for Lungs Information Using Python and Visual Studio Code

Artificial Intelligence (AI) has significantly transformed healthcare by enabling intelligent systems that provide accurate, accessible, and instant medical information. This project presents the design and development of an AI-powered healthcare chatbot using the RASA framework, developed in Python within the Visual Studio Code (VS Code) environment. The chatbot is specifically designed to provide awareness and educational information about lung-related diseases, including asthma, pneumonia, tuberculosis, chronic obstructive pulmonary disease (COPD), bronchitis, and lung cancer. The primary objective of this system is to assist users by answering health-related questions, explaining symptoms, suggesting preventive measures, and providing basic guidance while encouraging consultation with healthcare professionals for proper diagnosis and treatment.

The chatbot is developed using Natural Language Processing (NLP) techniques, which enable it to understand user queries expressed in natural language and generate contextually relevant responses. RASA's Natural Language Understanding (NLU) module identifies user intents and extracts important entities such as disease names, symptoms, medications, and risk factors. The Dialogue Management component maintains conversational context, allowing the chatbot to provide meaningful and interactive responses throughout the conversation.

The system follows a domain-driven architecture, where the Domain File defines chatbot intents, entities, slots, actions, responses, forms, and conversation flows. The chatbot is trained using structured datasets consisting of multiple user intents and example utterances. These training examples improve the chatbot's ability to recognize different ways users ask similar health-related questions. Custom Python actions are implemented to provide dynamic responses whenever required.

The project incorporates stories and rules within RASA to model conversation paths. Stories represent various user interaction scenarios, enabling the chatbot to learn dialogue patterns during training. Rules handle fixed conversational behaviors such as greetings, farewells, emergency advice, fallback responses, and frequently asked questions. Together, stories and rules improve the chatbot's conversational intelligence and response consistency.

The backend is implemented in Python, while Visual Studio Code serves as the integrated development environment for coding, debugging, testing, and deployment. YAML files are used to configure the chatbot's NLU data, domain, stories, rules, and pipeline settings. The chatbot can be executed locally through the RASA server and integrated with web-based interfaces for real-time interaction.

The proposed chatbot offers several advantages, including 24×7 availability, quick response time, improved healthcare awareness, reduced burden on healthcare professionals for basic inquiries, and enhanced accessibility for users seeking preliminary medical information. It is designed to provide educational content rather than replace professional medical consultation.

Future enhancements include multilingual support, voice-based interaction using speech recognition, integration with hospital management systems, electronic health records (EHR), symptom prediction using machine learning, appointment booking, medicine availability checking, and cloud deployment for large-scale accessibility.

Overall, this project demonstrates how Artificial Intelligence, Natural Language Processing, RASA, Python, Visual Studio Code, Domain Configuration, Stories, Rules, and Custom Actions can be effectively integrated to build an intelligent healthcare chatbot that improves public awareness about lung diseases and promotes timely medical consultation. The system showcases the practical application of conversational AI in healthcare and highlights the potential of intelligent virtual assistants in supporting digital health services.

Shashi, Sahithi, Charan and Humaira.

AI GENERATED VOICE MODEL

This project presents the development of an AI-generated video featuring Malla Reddy using *Python and modern artificial intelligence tools*. The primary objective is to demonstrate how AI technologies can automate the creation of realistic video content with minimal human effort. By integrating text generation, speech synthesis, and video creation, the project offers an efficient and simplified approach to digital content production. The process starts with collecting and organizing relevant information about the subject. This data is transformed into a structured script using AI-based text generation tools. The script is then converted into natural-sounding audio through text-to-speech technology. Simultaneously, suitable images and visual elements are either generated or selected using AI tools to match the narrative. Python plays a central role by automating the entire workflow. Various libraries for text processing, audio generation, and video editing are used to seamlessly combine all components into a complete video. This automation significantly reduces manual effort, speeds up production, and eliminates the need for advanced video editing skills.

Overall, this work demonstrates a practical and accessible method for AI-based video creation, highlighting the growing importance of artificial intelligence in media, education, and digital storytelling.

Keywords: AI Tools, Artificial Intelligence, Automation, Digital Content Creation, Educational Technology, Generative AI, Machine Learning, Multimedia Processing, Natural Language Processing (NLP), Python Programming, Script Generation, Text-to-Speech (TTS), Video Synthesis.

Mr.Harshavardhan, Mr.Caleb, Mr.Gunavardhan, Mr.Vishnuvardhan Mrs.B.Revathi.

Thank YOU

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