



VISWAMBHARA EDUCATIONAL SOCIETY

VAAGDEVI COLLEGE OF PHARMACY

(Approved by AICTE & PCI, New Delhi & affiliated to Kakatiya University, Warangal, T.S)
Ramnagar Dist. Hanumakonda- 506001, (T.S)

1.2.2 Number of Add on /Certificate programs offered 2023-2024



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Ramnagar Dist. Hanumakonda- 506001, (T.S)

1.2.2 Number of Add on /Certificate programs offered 2023-2024

S.No.	NAME OF THE VALUE ADDED PROGRAM	DURATION OF THE PROGRAM	NUMBER OF HOURS	NUMBER OF STUDENTS
1.	Digital Transformation in Pharmacy: Tools for the Future	20-11-2023 to 23-12-2023	30 hours	50
2.	Web Design Essentials for Healthcare Professionals	20-11-2023 to 23-12-2023	30 hours	54
3.	Innovative Career Pathways: A Roadmap Beyond Traditional Pharmacy	20-11-2023 to 23-12-2023	30 hours	40
4.	Mastering the Art of Presentation: Enhancing Public Speaking for Healthcare Professionals	20-11-2023 to 23-12-2023	30 hours	43
5.	Modern Approaches to Herbal Formulation and Standardization	20-11-2023 to 23-12-2023	30 hours	60
6.	Navigating the Law: Legal Literacy for Healthcare Professionals	22-01-2024 to 27-02-2024	30 hours	51
7.	Harnessing Artificial Intelligence in Pharmacovigilance and Patient Safety	22-01-2024 to 27-02-2024	30 hours	45
8.	Big Data Analytics in Personalized Medicine: Transforming Patient Care	22-01-2024 to 27-02-2024	30 hours	35
9.	Chromatography Demystified: Advanced Techniques in Pharmaceutical Analysis	22-01-2024 to 27-02-2024	30 hours	41
10.	Niosomes: Revolutionary Nano-formulations in Drug Delivery Systems	22-01-2024 to 27-02-2024	30 hours	46



Principal
Vaagdevi College of Pharmacy



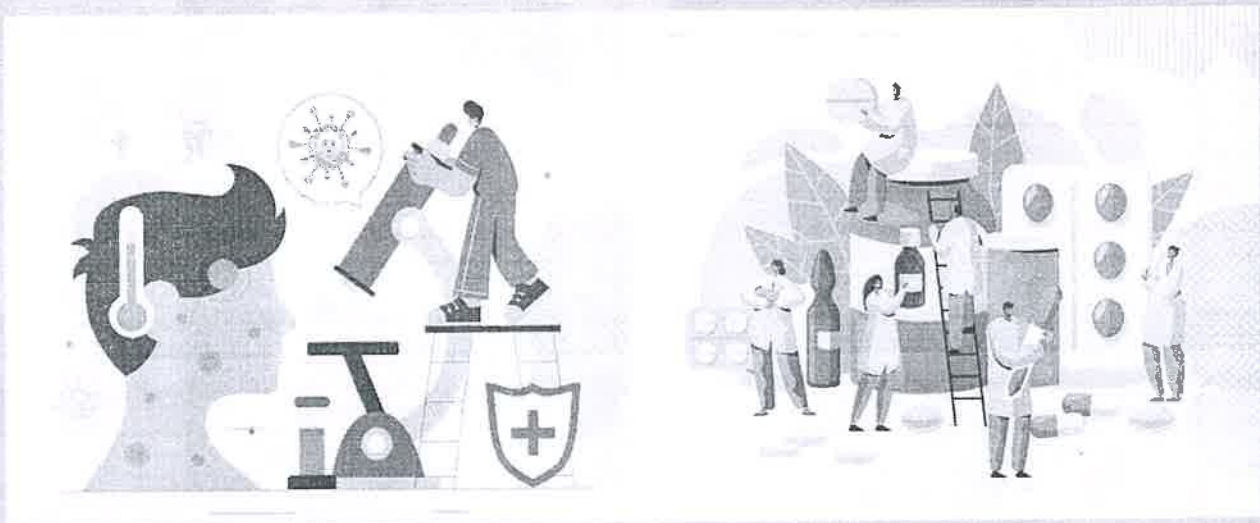
VISWAMBHARA EDUCATIONAL SOCIETY

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Ramnagar Dist. Hanumakonda- 506001, (T.S)

1.2.2.1 Brochure or any other document relating to add-on/certificate programs

VALUE ADDED COURSE
ON
**DIGITAL TRANSFORMATION IN PHARMACY:
TOOLS FOR THE FUTURE**
FROM 20-11-2023 TO 23-12-2023



VAAGDEVI
COLLEGE OF PHARMACY
RAMNAGAR, HANAMKONDA.



Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

Name of the Programme: **VALUE ADDED COURSE ON DIGITAL TRANSFORMATION IN PHARMACY TOOLS FOR THE FUTURE**

Schedule: **FROM 20-11-2023 TO 23-12-2023**

Students: **B. Pharm, M. Pharm, Pharm D**

Academic Year: **2023-2024**

COURSE CODE: **VCOP/VH1**

TIMINGS: **EVERY DAY 4.30-5.30PM AT SEMINAR HALL 01**

COORDINATOR

Dr. Ch. Mounika
Assistant Professor,
Department of Pharm.D.,
Vaagdevi College of Pharmacy

RESOURCE PERSONS

Dr. S. Vasudeva Murthy

Principal,

Jayamukhi College of Pharmacy.

Dr. G. Anusha

Assistant Professor,
Department of Pharm.D.,
Vaagdevi College of Pharmacy

COURSE OBJECTIVES

The objective of this course is to familiarize pharmacy professionals with the digital tools and technologies transforming the pharmacy sector. This course aims to provide in-depth knowledge of the latest digital advancements in pharmacy practice, including electronic health records (EHR), telepharmacy, artificial intelligence (AI), blockchain, and digital therapeutics, preparing students to integrate these technologies into their professional workflows and improve patient care.

COURSE OUTCOME

By the end of this course, students will be able to:

1. Understand the key digital tools and technologies shaping the future of pharmacy.
2. Evaluate the impact of digital transformation on pharmacy practice, patient care, and healthcare systems.
3. Integrate electronic health records (EHR) and telepharmacy into daily pharmaceutical practice.
4. Leverage artificial intelligence (AI) and machine learning for drug discovery, personalized medicine, and predictive analytics.
5. Implement blockchain technology for enhancing pharmacy operations and ensuring data security.
6. Apply digital therapeutics in the treatment of chronic conditions and enhance patient outcomes.
7. Understand the ethical, legal, and regulatory implications of digital technologies in pharmacy.



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Hanamkonda, Warangal-506 001

COURSE SYLLABUS

MODULES

30HR

Module 1: Introduction to Digital Transformation in Pharmacy (6 hours)

- Overview of digital transformation and its importance in healthcare
- Key digital technologies in healthcare and pharmacy: EHR, telemedicine, AI, etc.
- The evolution of pharmacy practice: From traditional to digital environments

Module 2: Electronic Health Records (EHR) and Pharmacy Practice (6 hours)

- The role of EHR in modern pharmacy practice
- Integration of EHR systems with pharmacy workflows
- Legal and ethical considerations for EHR usage in pharmacy
- Case studies on the impact of EHR in improving patient outcomes

Module 3: Telepharmacy and Remote Pharmaceutical Care (6 hours)

- Introduction to telepharmacy and its significance in healthcare delivery
- Regulatory and logistical considerations for telepharmacy
- Implementing telepharmacy in rural and underserved areas
- The future of telepharmacy in patient counseling and medication management

Module 4: Artificial Intelligence (AI) and Machine Learning in Pharmacy (6 hours)

- AI and machine learning in drug discovery and development
- AI applications in personalized medicine, including pharmacogenomics
- Predictive analytics for improving patient outcomes and minimizing errors
- Ethical considerations and challenges in AI-based pharmacy practices

Module 5: Blockchain Technology in Pharmacy (6 hours)

- Blockchain fundamentals and its applications in pharmacy
- Enhancing pharmaceutical supply chain security with blockchain
- Blockchain in improving medication adherence and patient records
- The role of blockchain in clinical trials and pharmaceutical research

REFERENCES

1. "Innovations in Digital Medicine and Digital Therapeutics" by H. K. Sharma
2. "Digital Therapeutics in Pharmacy: Revolutionizing Treatment" (Journal Articles)
3. "Digital Health: Scaling Healthcare to the World" by M. A. S. Perez
4. "Blockchain in Healthcare" by S. R. Dovey
5. "Artificial Intelligence in Health Care" by L. M. Doshi



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Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date: 14.11.2023

CIRCULAR

All the B.Pharmacy, M.Pharmacy and Pharm.D., students are hereby informed that our college is organizing VALUE ADDED COURSES on **"DIGITAL TRANSFORMATION IN PHARMACY: TOOLS FOR THE FUTURE"**, **"WEB DESIGN ESSENTIALS FOR HEALTHCARE PROFESSIONALS"**, **"INNOVATIVE CAREER PATHWAYS: A ROADMAP BEYOND TRADITIONAL PHARMACY"**, **"MASTERING THE ART OF PRESENTATION: ENHANCING PUBLIC SPEAKING FOR HEALTHCARE PROFESSIONALS"** and **"MODERN APPROACHES TO HERBAL FORMULATION AND STANDARDIZATION"** during 20-11-2023 to 23-12-2023 coordinated by Dr. Ch. Mounika, Mrs. K. Ragini, Dr. E. Venkateshwarlu, Dr. B.S. Sharavana bhava and Dr. K. Srinivas Reddy. Enrol your Hall ticket numbers. Your attendance will be taken and certificate will be issued based on 75 percentage attendance and internal assessment.

PRINCIPAL

Principal

Vaagdevi College of Pharmacy

Hanamkonda, Warangal-506 001



Principal

Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001



VISWAMBHARA EDUCATIONAL SOCIETY

VAAGDEVI COLLEGE OF PHARMACY

(Approved by AICTE & PCI, New Delhi & affiliated to Kakatiya University, Warangal, T.S)
Ramnagar Dist. Hanamkonda- 506001. (T.S)

Date : 23-12-2023

REPORT

Name of the program: **DIGITAL TRANSFORMATION IN PHARMACY: TOOLS FOR THE FUTURE**

Duration: 20-11-2023 to 23-12-2023

Academic year: 2023-2024

Resource person details:

Dr. S. Vasudeva Murthy,
Principal,
Jayamukhi College of Pharmacy.

Dr. G. Anusha,
Assistant Professor,
Department of Pharm.D.,
Vaagdevi College of Pharmacy

Vaagdevi College of Pharmacy, Ramnagar, Hanamkonda organized a value added program on **DIGITAL TRANSFORMATION IN PHARMACY: TOOLS FOR THE FUTURE** for B.Pharmacy, Pharm.D., and M.Pharmacy students by Dr. S. Vasudeva Murthy, Principal, Jayamukhi College of Pharmacy and Dr. G. Anusha, Assistant Professor, Department of Pharm.D., Vaagdevi College of Pharmacy from 20-11-2023 to 23-12-2023. This program was designed to understand the key digital tools and technologies shaping the future of pharmacy. Totally 50 students participated in this program. Upon completion of the course issued the certificates to the students.

Ch. Mounika

Coordinator

Dr. Ch. Mounika,
Assistant Professor,
Department of Pharm.D.,

Principal

Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

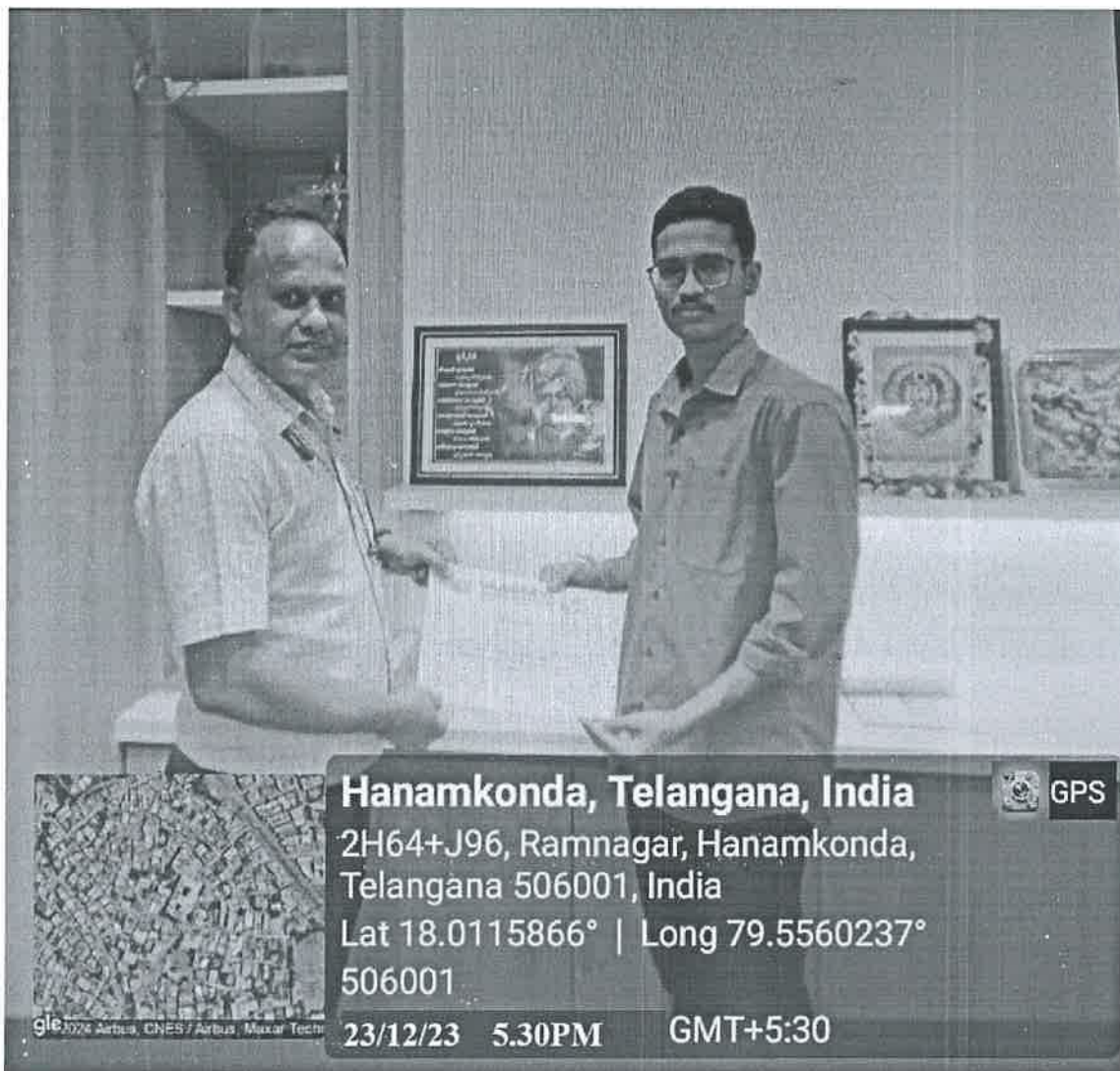


Principal
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Hanamkonda, Telangana, India



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Telangana 506001, India


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Certificate distribution on Digital transformation in pharmacy: tools for the future by Dr. E. Venkateshwarlu




Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001



JAYAMUKHI COLLEGE OF PHARMACY

(Approved by AICTE & PCI, New Delhi & affiliated to Kakatiya University, Warangal, T.S.)

NARSAMPET, Dist. Warangal - 506 332, (T.S.) ☎ : 08718 - 222503, 222568

MEMORANDUM OF UNDERSTANDING (MOU)

Between

VAAGDEVI COLLEGE OF PHARMACY,

RAMNAGAR, HANAMKONDA

And

JAYAMUKHI COLLEGE OF PHARMACY,

NARSAMPET

VAAGDEVI COLLEGE OF PHARMACY, RAMNAGAR, HANAMKONDA, and JAYAMUKHI COLLEGE OF PHARMACY, NARSAMPET has reached agreement on the following areas of cooperation and subject to mutual consent.

1. Exchange of subject experts
2. Exchange of academic materials and other information
3. Student exchange for internships and placements

The terms of such mutual assistance for any specific program and activity shall be mutually discussed and agreed upon in writing by both parties prior to the initiation of a particular program.

Each institution will designate an individual to coordinate this program all endeavours that may derive from it. For this purpose Vaagdevi College Of Pharmacy, Ramnagar, Hanamkonda designates Dr. Ch. Srinivas Reddy, Principal, and Jayamukhi College of Pharmacy, Narsampet, Hanamkonda designates Dr. S.Vasudeva Murthy, Principal.

No amendment, consent, or waiver of terms of this Letter of Collaboration shall bind either party unless in writing and signed by all parties. Any such amendment, consent, or waiver shall be effective only in the specific instance and for the specified purpose given.

This memorandum of Understanding shall commence on 8th August 2023 and be in effect for one year i.e. till (7th August 2024), at which time it shall be reviewed for possible extension. Either party may terminate this letter by written notification signed by the appropriate official of the institution initiating the notice. However, such notification must be received by the other party at least two months prior to the effective date of termination

For VAAGDEVI COLLEGE OF PHARMACY,

RAMNAGAR, HANAMKONDA

Dr. Ch. Srinivas Reddy

Principal

For JAYAMUKHI COLLEGE OF PHARMACY,

LAKNEPALLY, NARSAMPET

Dr. S.Vasudeva Murthy

Principal

Date:

Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



Principal
Vaagdevi College of Pharmacy,
Hanamkonda, Warangal-506 001

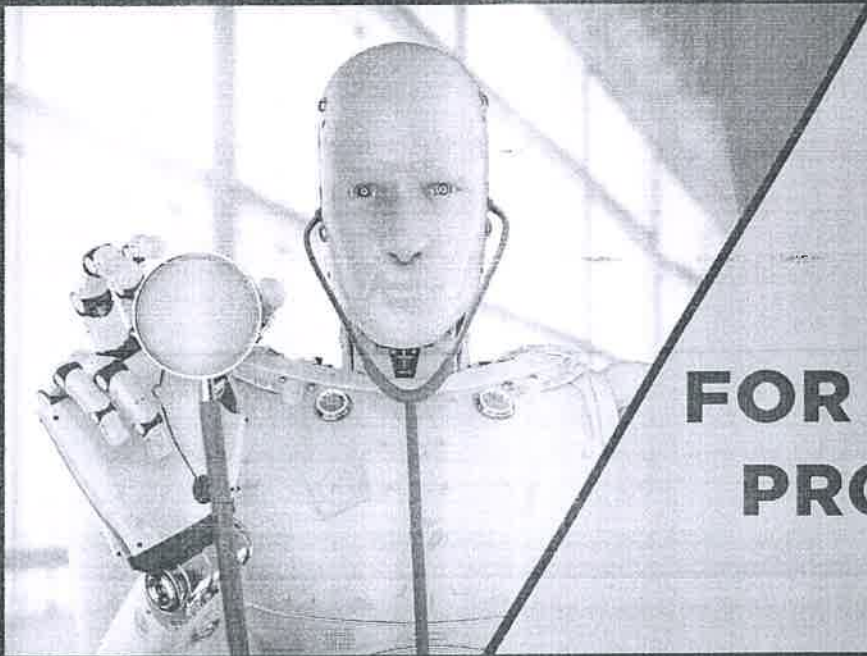


VAAGDEVI

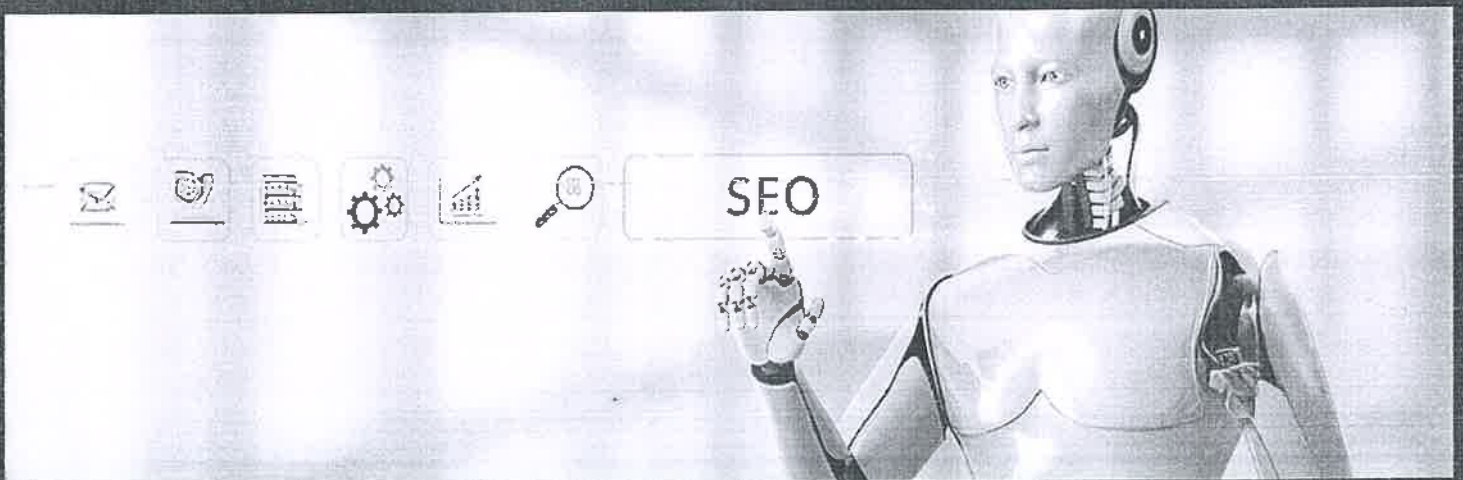
COLLEGE OF PHARMACY

RAMNAGAR, HANAMKONDA.

VALUE ADDED COURSE
ON



WEB DESIGN ESSENTIALS FOR HEALTHCARE PROFESSIONALS



FROM 20-11-2023 TO 3-12-2023



Principal

Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506

Co-ordinator :
Mrs. K. Ragini
Associate Professor
Department of Pharmaceutics
Vaagdevi College of Pharmacy

Resource Persons:
Adepu Venkatesh,
CEO,
SVAPPS, Warangal
Mrs. T. Rajani,
Associate Professor,
Department of Pharmaceutics,
Vaagdevi College of Pharmacy

Name of the Programme: VALUE ADDED COURSE ON
Web Design Essentials for Healthcare Professionals
Schedule: FROM 20-11-2023 to 23-12-2023
Students: B.Pharm, M.Pharm, Pharm.D.,
Academic Year: 2023 to 2024
Course Code: VCOP/VH2
Timings: Every day 4.30-5.30 PM at SEMINAR HALL 02

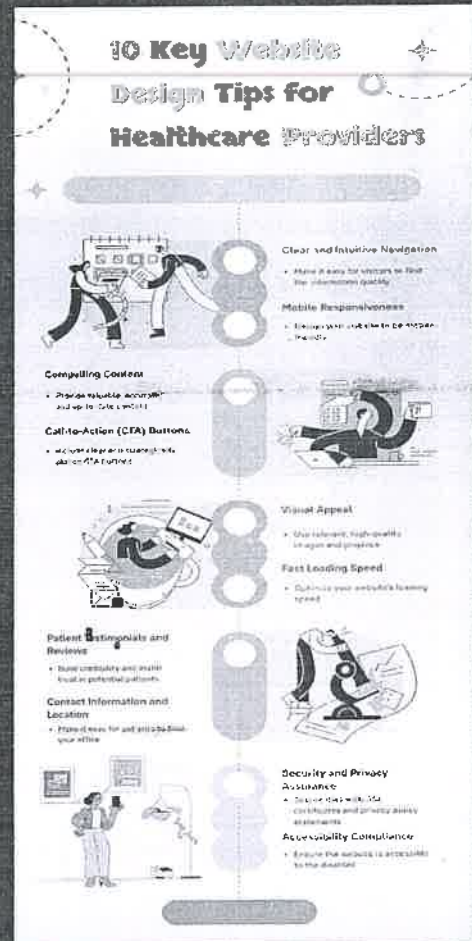
Course Objective:

This course aims to equip healthcare professionals with the fundamental skills required to design and manage effective websites tailored to healthcare settings. The course will cover essential principles of web design, focusing on user experience (UX), accessibility, legal considerations, and best practices for building websites that serve both patients and healthcare providers. Students will gain hands-on experience with various tools and technologies, preparing them to create websites that enhance patient engagement and promote health-related services.

Course Outcomes:

Upon successful completion of this course, students will be able to:

1. Understand the core principles of web design and their application in healthcare settings.
2. Design user-friendly, accessible websites that meet the needs of patients and healthcare providers.
3. Incorporate responsive design principles to ensure websites function seamlessly across devices.
4. Ensure compliance with legal, ethical, and regulatory requirements in healthcare website design (e.g., HIPAA).
5. Utilize web design tools and platforms to build and manage websites.
6. Apply search engine optimization (SEO) strategies to improve the visibility of healthcare websites.
7. Understand and implement data privacy practices, ensuring the security of patient information on health care websites.



Course Syllabus:

30 HRS

Module 1: Introduction to Web Design for Healthcare

(6 hours)

- Overview of web design principles and their importance in healthcare
- The role of websites in modern healthcare delivery: Patient portals, appointment scheduling, and informational sites
- Key characteristics of effective healthcare websites: Usability, accessibility, and engagement
- Legal and ethical considerations in healthcare web design (HIPAA, data security, patient confidentiality)

Module 2: User Experience (UX) and Accessibility in Healthcare Websites

(6 hours)

- The principles of user-centered design in healthcare
- Key elements of UX design: Navigation, layout, and content hierarchy
- Ensuring website accessibility for patients with disabilities (WCAG guidelines)
- Designing for diverse patient demographics: Language, literacy, and cultural considerations

Module 3: Responsive Web Design and Mobile Optimization

(6 hours)

- The importance of responsive design in healthcare websites
- Principles of designing mobile-friendly websites
- Tools and frameworks for responsive design (e.g., Bootstrap, WordPress themes)
- Testing and optimizing healthcare websites for various devices (smartphones, tablets, desktops)

Module 4: Content Management Systems (CMS) for Healthcare Websites

(6 hours)

- Introduction to CMS platforms: WordPress, Joomla, Drupal, and their applications in healthcare
- Choosing the right CMS for your healthcare website
- Customizing templates and themes for healthcare websites
- Managing and updating healthcare website content (blogs, articles, videos)

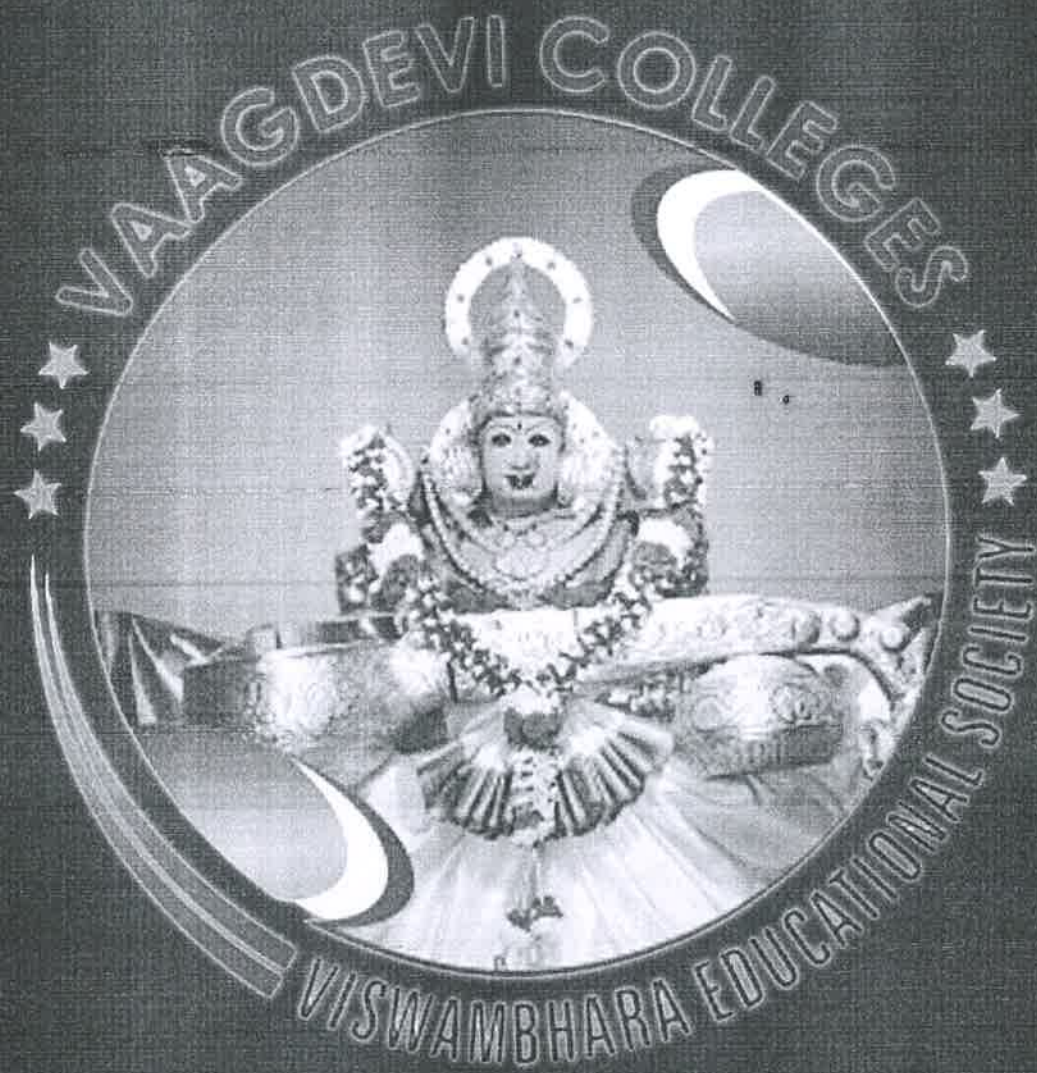
Module 5: SEO and Digital Marketing for Healthcare Websites

(6 hours)

- Understanding SEO and its relevance to healthcare websites
- On-page and off-page SEO strategies: Keywords, metadata, and content optimization
- Local SEO for healthcare practices: Google My Business, patient reviews, and local searches
- Introduction to digital marketing: social media, email campaigns, and patient outreach strategies
- References:

1. "Web Design for Healthcare: A Practical Guide" by D. L. McDonald
2. "SEO for Healthcare Professionals: Best Practices and Strategies" by D. L. Gray
3. "Mastering WordPress for Healthcare Websites" by J. H. Michaels
4. "Responsive Web Design: Creating Websites for Mobile and Desktop" by E. M. Bailey





VAAGDEVI

COLLEGE OF PHARMACY

RAMNAGAR, HANAMKONDA.



VAAGDEVI COLLEGE OF PHARMACY
RAMNAGAR, HANAMKONDA



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Date: 14.11.2023

CIRCULAR

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PRINCIPAL

Principal

Vaagdevi College of Pharmacy

Hanamkonda, Warangal-506 001



Principal

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Hanamakonda, Warangal-506 001



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VAAGDEVI COLLEGE OF PHARMACY

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Ramnagar Dist. Hanamakonda-506001. (T.S)

Date : 23-12-2023

REPORT

Name of the program: **WEB DESIGN ESSENTIALS FOR HEALTHCARE PROFESSIONALS**

Duration: 20-11-2023 to 23-12-2023

Academic year: 2023-2024

Resource person details:

Adepu Venkatesh,
CEO, SVAPPS, Warangal

Mrs. T. Rajani,
Associate Professor,
Department of Pharmaceutics,
Vaagdevi College of Pharmacy

Vaagdevi College of Pharmacy, Ramnagar, Hanamakonda organized a value added program on **WEB DESIGN ESSENTIALS FOR HEALTHCARE PROFESSIONALS** for B.Pharmacy, Pharm.D., and M.Pharmacy students by Adepu Venkatesh, CEO, SVAPPS, Warangal and Mrs. T. Rajani, Associate Professor, Department of Pharmaceutics, Vaagdevi College of Pharmacy from 20-11-2023 to 23-12-2023. This program was designed to educate the students to utilize web design tools and platforms to build and manage websites. Totally 54 students participated in this program. Upon completion of the course issued the certificates to the students.


Coordinator

Mrs. K. Ragini
Associate Professor,
Department of Pharmaceutics


Principal

Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001



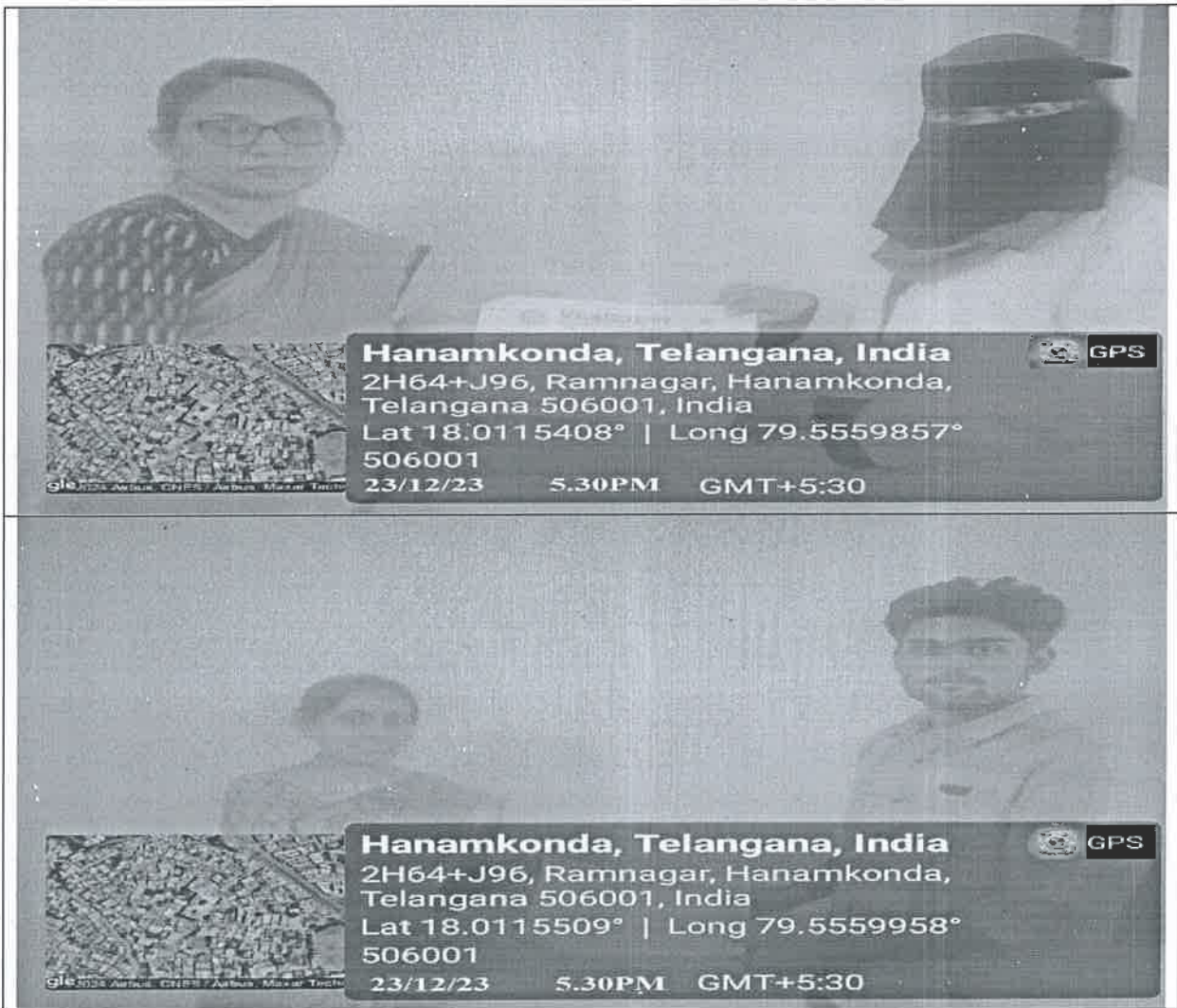

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Certificate distribution on Web Design Essentials for Healthcare Professionals by T. Rajani Resource person and K. Ragini Co-ordinator



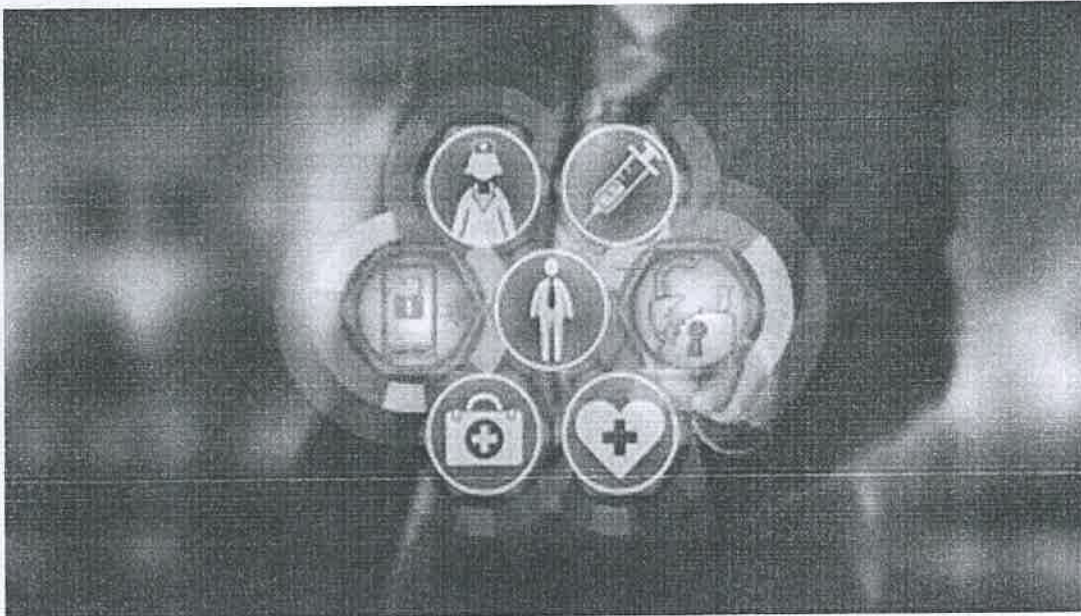

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Hanamakonda, Warangal-506 001



VAAGDEVI COLLEGE OF PHARMACY RAMNAGAR, HANAMKONDA.

VALUE ADDED COURSE
ON

INNOVATIVE CAREER PATHWAYS: A ROADMAP BEYOND TRADITIONAL PHARMACY



FROM 20-11-2023 to 23-12-2023




Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

Co-Ordinator :
Dr. E. Venkateshwarlu,
Professor & HoD,
Department of Pharmacology
Vaagdevi College of Pharmacy

Resource Persons:
1. Dr. A. Mahesh,
CEO,
Crystal Overseas Consultancy

2. Dr. P. Girija,
Professor,
Department of Pharmacology
Vaagdevi College of Pharmacy



Name of the Programme: VALUE ADDED COURSE ON
Innovative Career Pathways: A Roadmap Beyond Traditional Pharmacy
Schedule: From 20-11-2023 to 23-12-2023
Students: B.Pharm, M.Pharm, Pharm.D.,
Academic Year: 2023 to 2024
Course Code: VCOP/VH3
Timings: Every day 4.30-5.30 PM at LECTURE HALL 02

Course Objective

The objective of this course is to broaden students' perspectives on career opportunities in pharmacy by exploring innovative, non-traditional roles in healthcare, technology, entrepreneurship, and global public health. The course will empower students to identify their interests and skills, align them with emerging trends, and strategically plan a fulfilling career path outside conventional pharmacy practices.

Course Outcomes

By the end of this course, students will be able to:

- 1. Identify non-traditional career opportunities in pharmacy and healthcare.**
- 2. Analyze emerging trends in pharmaceutical sciences and healthcare technologies.**
- 3. Develop entrepreneurial skills and strategies for building innovative ventures.**
- 4. Understand the role of pharmacists in global public health and policymaking.**
- 5. Leverage digital tools and platforms for professional development and networking.**
- 6. Create a personalized roadmap to achieve career goals in innovative domains.**



Principal
Vaagdevi College of Pharmacy

Course Syllabus

30HRS

Module 1: Expanding Horizons in Pharmacy Careers (6 hours)

Overview of traditional vs. non-traditional roles in pharmacy
Emerging fields: Pharmacogenomics, Health Informatics, and Regulatory Affairs
Case studies of pharmacists in unconventional roles
Tools to assess personal interests and strengths
Practical: Career mapping exercise

Module 2: Technology and Innovation in Pharmacy (6 hours)

Role of Artificial Intelligence and Machine Learning in pharmacy
Digital health tools: Wearables, mobile apps, and telehealth
Blockchain technology in drug supply chains
Practical: Developing a prototype for a digital health solution

Module 3: Entrepreneurship in Pharmacy (6 hours)

Basics of entrepreneurship: Ideation to execution
Identifying market gaps and opportunities in healthcare
Business planning and funding strategies
Intellectual property rights in pharmacy
Practical: Pitching a healthcare start-up idea

Module 4: Pharmacists in Global Public Health (6 hours)

Understanding global health challenges and the pharmacist's role
Careers in NGOs, WHO, and global health initiatives
Policy-making and advocacy in public health
Practical: Designing a public health campaign

Module 5: Personal Branding and Professional Development (6 hours)

Building a professional network using LinkedIn and other platforms
Crafting a compelling CV and cover letter for innovative roles
Interview preparation for non-traditional pharmacy jobs
Practical: Mock interviews and LinkedIn profile optimization

Textbook Reference:

1. **Designing Your Life: How to Build a Well-Lived, Joyful Life** by Bill Burnett and Dave Evans
2. **Pharmacy: What It Is and How It Works** by William N. Kelly
3. **Brand You: Turn Your Unique Talents into a Winning Formula** by John Purkiss
4. **The Lean Startup** by Eric Ries
5. **Global Health 101** by Richard Skolnik
6. **Healthcare Technology Innovation: A Guide for Executives and Inventors** by A.K. Jha



Principal

Veerdevi College of Pharmacy



VAAGDEVI

COLLEGE OF PHARMACY

RAMNAGAR , HANAMKONDA.




Principal
Vaagdevi College of Pharmacy
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Date: 14.11.2023

CIRCULAR

All the B.Pharmacy, M.Pharmacy and Pharm.D., students are hereby informed that our college is organizing VALUE ADDED COURSES on "DIGITAL TRANSFORMATION IN PHARMACY: TOOLS FOR THE FUTURE", "WEB DESIGN ESSENTIALS FOR HEALTHCARE PROFESSIONALS", "INNOVATIVE CAREER PATHWAYS: A ROADMAP BEYOND TRADITIONAL PHARMACY", "MASTERING THE ART OF PRESENTATION: ENHANCING PUBLIC SPEAKING FOR HEALTHCARE PROFESSIONALS" and "MODERN APPROACHES TO HERBAL FORMULATION AND STANDARDIZATION" during 20-11-2023 to 23-12-2023 coordinated by Dr. Ch. Mounika, Mrs. K. Ragini, Dr. E. Venkateshwarlu, Dr. B.S. Sharavana bhava and Dr. K. Srinivas Reddy. Enrol your Hall ticket numbers. Your attendance will be taken and certificate will be issued based on 75 percentage attendance and internal assessment.

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Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date : 23-12-2023

REPORT

Name of the program: **INNOVATIVE CAREER PATHWAYS: A ROADMAP BEYOND TRADITIONAL PHARMACY**

Duration: 20-11-2023 to 23-12-2023

Academic year: 2023-2024

Resource person details:

Dr. A. Mahesh,
CEO, Crystal Overseas Consultancy

Dr. P. Girija,
professor,
Department of Pharmacology
Vaagdevi College of Pharmacy

Vaagdevi College of Pharmacy, Ramnagar, Hanamakonda organized a value added program on **INNOVATIVE CAREER PATHWAYS: A ROADMAP BEYOND TRADITIONAL PHARMACY** for B.Pharmacy, Pharm.D., and M.Pharmacy students by Dr. A. Mahesh, CEO, Crystal Overseas Consultancy and Dr. P. Girija, professor, Department of Pharmacology Vaagdevi College of Pharmacy from 20-11-2023 to 23-12-2023. This program was designed to educate the students to create a personalized roadmap to achieve career goals in innovative domains. Totally 40 students participated in this program. Upon completion of the course issued the certificates to the students.

Coordinator

Dr. E. Venkateshwarlu, Professor,
HoD, Department of Pharmacology

Principal

Principal

Vaagdevi College of Pharmacy

Hanamkonda, Warangal, 506 001



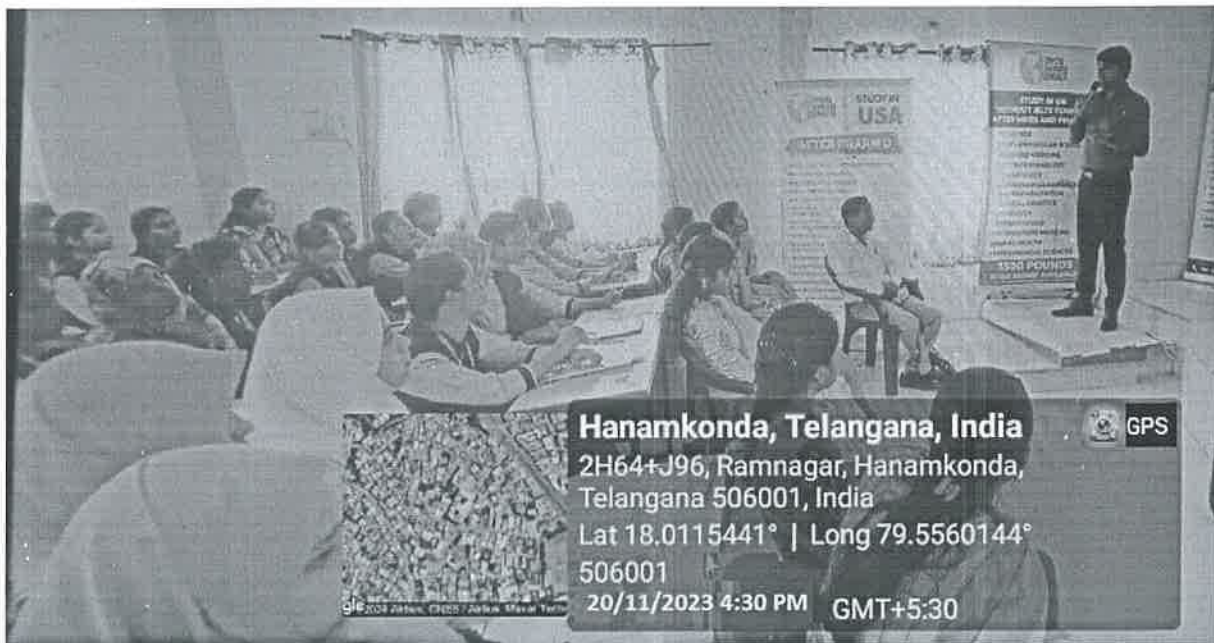
Principal

Vaagdevi College of Pharmacy,
Hanamakonda, Warangal-506 001



VISWAMBHARA EDUCATIONAL SOCIETY
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Ramnagar Dist. Hanamakonda- 506001, (T.S)



Hanamkonda, Telangana, India

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Telangana 506001, India

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506001

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Class on Innovative Career Pathways: A Roadmap Beyond Traditional Pharmacy by Dr.A. Mahesh



Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001



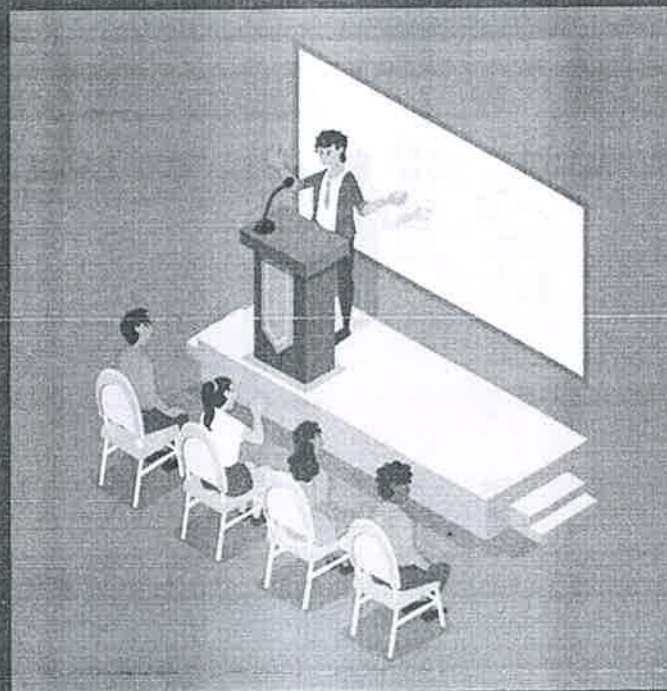
VAAGDEVI

COLLEGE OF PHARMACY

RAMNAGAR, HANAMKONDA.

VALUE ADDED COURSE
ON

MASTERING THE ART OF PRESENTATION:
ENHANCING PUBLIC SPEAKING FOR
HEALTHCARE PROFESSIONALS



FROM 20-11-2023 to 23-12-2023

Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

Co-Ordinator :
Dr. B.S. Sharavana bhava,
Professor & HoD,
Department of Pharm.D.,
Vaagdevi College of Pharmacy

Resource Persons

1. Dr. S.S. Roshan,
CAS-RMO,
MGM Hospital, Warangal
2. Dr. A. Makarandh,
Assistant Professor,
Department of Pharm.D.,
Vaagdevi College of Pharmacy



Dr.S.Sanath Roshan
MD (PED),
CAS - RMO,
MGM HOSPITAL, WGL

Name of the Programme: VALUE ADDED COURSE ON Mastering the Art of
Presentation: Enhancing Public Speaking for Healthcare Professionals

Schedule: From 20-11-2023 to 23-12-2023

Students: B.Pharm,M.Pharm, Pharm.D.,

Academic Year: 2023 to 2024

Course Code: VCOP/VH4

Timings: Every day 4.30-5.30 PM at LECTURE HALL 03

Course Objective

The objective of this course is to equip students with essential skills in public speaking and presentation, focusing on effective communication in academic, professional, and patient-centered environments. Through theoretical knowledge, practical exercises, and constructive feedback, students will develop confidence, clarity, and the ability to convey complex healthcare information to diverse audiences.

Course Outcomes

By the end of this course, students will be able to:

1. Demonstrate effective public speaking skills tailored to healthcare settings.
2. Structure and deliver presentations with clarity, coherence, and impact.
3. Employ visual aids and digital tools to enhance communication.
4. Manage stage presence, body language, and voice modulation to engage audiences.
5. Adapt communication strategies to cater to professional, academic, and patient audiences.
6. Critically evaluate and provide constructive feedback on presentations.



Principal
Vaagdevi College of Pharmacy
Halarunda, Warangal-506 011

Course Syllabus

30HRS

Module 1: Foundations of Public Speaking

(6 hours)

- Introduction to public speaking in healthcare
- Importance of communication in patient care, academic, and professional settings
- Overcoming fear of public speaking
- Characteristics of an effective speaker
- Structuring a speech: Opening, Body, and Conclusion
- Practical: Ice-breaker speeches and self-assessment

Module 2: Crafting Compelling Content

(6 hours)

- Understanding the audience: Patients, peers, and professionals
- Selecting and organizing content for maximum impact
- Using storytelling to convey complex information
- Incorporating evidence-based data in presentations
- Addressing ethical and cultural sensitivity in communication
- Practical: Preparing a short presentation with peer feedback

Module 3: Visual and Digital Tools in Presentations

(6 hours)

- Designing effective slides: Simplicity, readability, and visuals
- Using charts, graphs, and infographics to convey data
- Tools: PowerPoint, Canva, and Prezi
- Avoiding common mistakes in visual presentations
- Practical: Creating and presenting a slide deck

Module 4: Non-Verbal Communication and Delivery Techniques

(6 hours)

- Importance of body language and facial expressions
- Managing stage presence and eye contact
- Voice modulation: Tone, pitch, and pace
- Handling questions and interruptions
- Practical: Recorded practice sessions with analysis

Module 5: Speaking in Specialized Healthcare Contexts

(6 hours)

- Communicating with patients: Empathy and clarity
- Presenting at academic conferences: Abstracts and posters
- Addressing healthcare professionals: Precision and evidence
- Ethical and legal considerations in healthcare communication
- Practical: Role-playing scenarios

Textbook Reference:

1. *The Art of Public Speaking* by Stephen E. Lucas
2. *Confessions of a Public Speaker* by Scott Berkun
3. *Healthcare Communication: Principles and Practice* by Gwen van Servellen
4. *Body Language: How to Read Others, Detect Lies, and Build Better Relationships* by James Borg
5. *Presentation Zen: Simple Ideas on Presentation Design and Delivery* by Garr Reynolds



VAAGDEVI

COLLEGE OF PHARMACY

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Principal
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VISWAMBHARA EDUCATIONAL SOCIETY
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Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date: 14.11.2023

CIRCULAR

All the B.Pharmacy, M.Pharmacy and Pharm.D., students are hereby informed that our college is organizing VALUE ADDED COURSES on **"DIGITAL TRANSFORMATION IN PHARMACY: TOOLS FOR THE FUTURE"**, **"WEB DESIGN ESSENTIALS FOR HEALTHCARE PROFESSIONALS"**, **"INNOVATIVE CAREER PATHWAYS: A ROADMAP BEYOND TRADITIONAL PHARMACY"**, **"MASTERING THE ART OF PRESENTATION: ENHANCING PUBLIC SPEAKING FOR HEALTHCARE PROFESSIONALS"** and **"MODERN APPROACHES TO HERBAL FORMULATION AND STANDARDIZATION"** during 20-11-2023 to 23-12-2023 coordinated by Dr. Ch. Mounika, Mrs. K. Ragini, Dr. E. Venkateshwarlu, Dr. B.S. Sharavana bhava and Dr. K. Srinivas Reddy. Enrol your Hall ticket numbers. Your attendance will be taken and certificate will be issued based on 75 percentage attendance and internal assessment.

PRINCIPAL

Principal

Vaagdevi College of Pharmacy

Hanamakonda, Warangal-506 001



Principal

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Hanamakonda, Warangal-506 001



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Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date : 23-12-2023

REPORT

Name of the program: **MASTERING THE ART OF PRESENTATION: ENHANCING PUBLIC SPEAKING FOR HEALTHCARE PROFESSIONALS**

Duration: 20-11-2023 to 23-12-2023

Academic year: 2023-2024

Resource person details:

Dr. S.S. Roshan,
CAS-RMO,
MGM Hospital, Warangal

Dr. A. Makarandh,
Assistant Professor,
Department of Pharm.D.,
Vaagdevi College of Pharmacy

Vaagdevi College of Pharmacy, Ramnagar, Hanamkonda organized a value added program on **MASTERING THE ART OF PRESENTATION: ENHANCING PUBLIC SPEAKING FOR HEALTHCARE PROFESSIONALS** for B.Pharmacy, Pharm.D., and M.Pharmacy students by Dr. S.S. Roshan, CAS-RMO, MGM Hospital, Warangal and Dr. A. Makarandh, Assistant Professor, Department of Pharm.D., Vaagdevi College of Pharmacy from 20-11-2023 to 23-12-2023. This program was designed for the students to adapt communication strategies to cater to professional, academic, and patient audiences. Totally 43 students participated in this program. Upon completion of the course, certificates were issued to the students.

Coordinator

Dr. B.S. Sharavana bhava,
Professor, HoD, Department of Pharm.D.,

Principal

Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

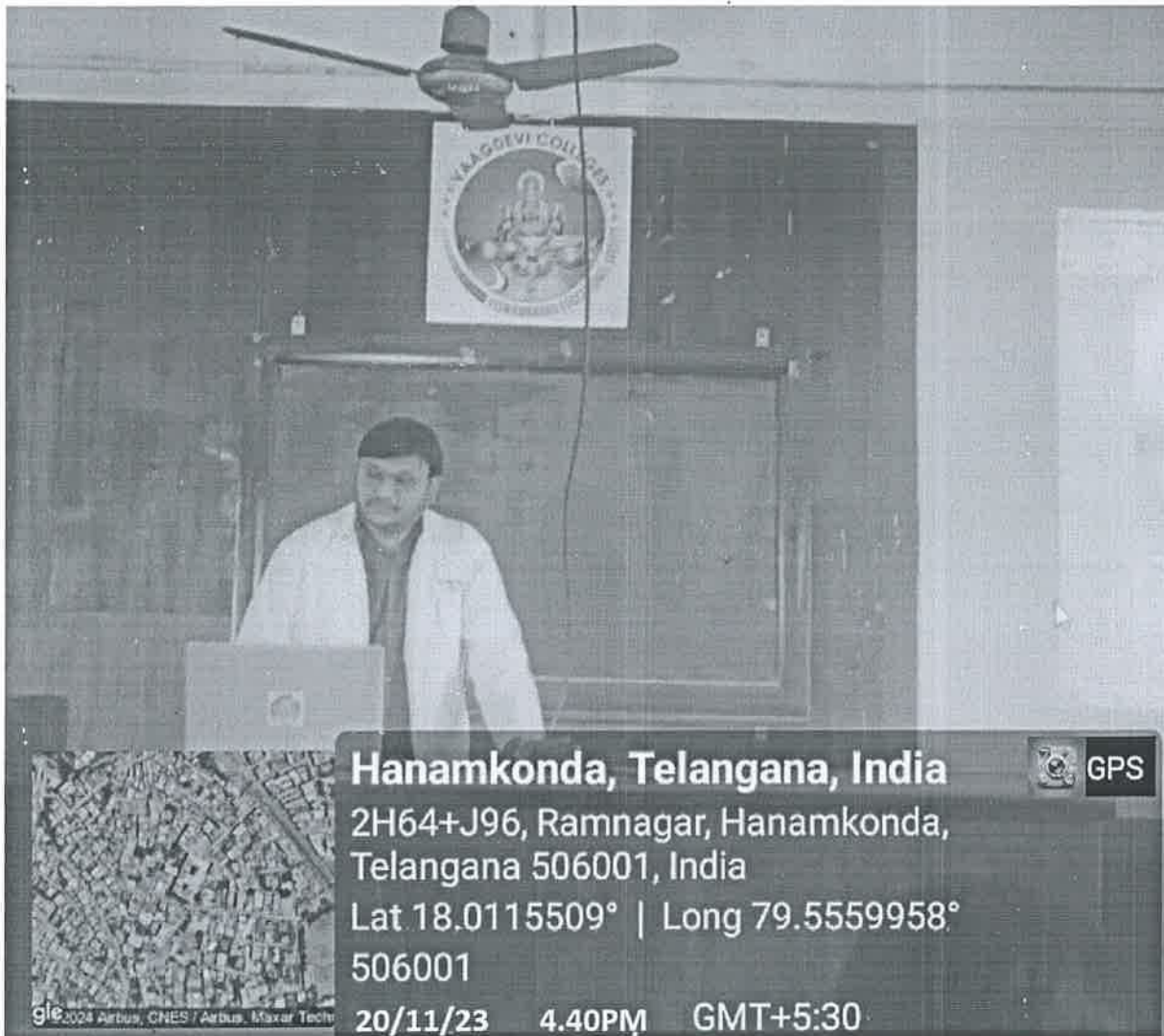


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Hanamkonda, Telangana, India



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Class on Mastering the Art of Presentation: Enhancing Public Speaking for Healthcare Professionals by Dr.S.S.Roshan



(Handwritten signature)

Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001

OFFICE OF THE SUPERINTENDENT, MGM HOSPITAL - WARANGAL

Re. No. 244 /Peshi/2023

Date: 06-09-2023



Sub:- MGM Hospital, Warangal - Internship (Residency) Program of Pharm-D students for the academic year 2023-2024 - Posting Orders - Issued - Reg.

Ref:- 1) Re. No. 50-210/2008-PCI-11716-17, Dated: 24-09-2008 of Registrar-cum-Secretary, Pharmacy Council of India, New Delhi.
2) Letter from the Principal, Vaagdevi College of Pharmacy, Hanamkonda, Dated: 06-09-2023.

** **

As per the reference to the G.O. Ms. No. 398 HM&FW (E1) Department, Dated: 15-11-2008 MOU tie-up made with Vaagdevi College of Pharmacy, Hanamkonda and also guidelines given by the Director of Medical Education, TS, Hyderabad. The Superintendent, MGM Hospital, Warangal is pleased to admit the Pharm-D Students (II, III, IV, V and VI) for hospital training program. MGM Hospital, Warangal for one year which includes postings in specialization (In-patients / Out-patients) i.e., General Medicine, Anesthesia, Neurology, ART Centre, Dermatology, Dialysis, Psychiatry, Oncology, Gastroenterology, General Surgery, Paediatrics and Orthopedic Ward specialities.

Hence, the above concerned HODs of this hospital are requested to admit the Pharm-D students as per schedule enclosed.

06/09/2023

SUPERINTENDENT,
MGM HOSPITAL - WARANGAL
SUPERINTENDENT

(Add. DME)

MGM HOSPITAL, WARANGAL

To

All the above concerned HODs of this hospital.

Copy to all RMOs of this hospital.

Copy to the Principal, Vaagdevi College of Pharmacy, Hanamkonda.

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Principal
Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



VAAGDEVI

COLLEGE OF PHARMACY

RAMNAGAR, HANAMKONDA.


VALUE ADDED COURSE
ON

MODERN APPROACHES TO HERBAL FORMULATION AND STANDARDIZATION



FROM 20-11-2023 TO 23-12-2023

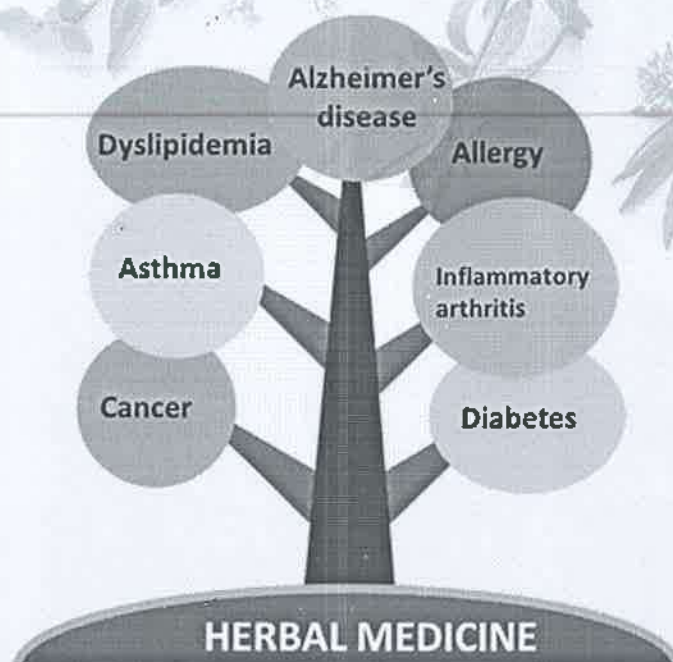



Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

Co-ordinator :
Dr. K. Srinivas Reddy,
Professor & HoD,
Department of Pharmacognosy
Vaagdevi College of Pharmacy

Resource Persons:
Dr. N. Saritha,
Ajara Hospitals, Warangal

Mrs. B. Krishnaveni,
Associate Professor,
Department of Pharmacognosy
Vaagdevi College of Pharmacy



Name of the Programme: VALUE ADDED COURSE ON
Modern Approaches to Herbal Formulation and Standardization

Schedule: From 20-11-2023 to 23-12-2023

Students: B.Pharm, M.Pharm, Pharm.D.,

Academic Year: 2023 to 2024

Course Code: VCOP/VH5

Timings: Every day 4.30-5.30 PM at LECTURE HALL 04

Course Objective

The objective of this course is to provide students with a comprehensive understanding of modern techniques in the formulation and standardization of herbal products. The course aims to bridge traditional knowledge with contemporary scientific approaches, emphasizing quality assurance, regulatory compliance, and innovative methodologies in the development of herbal formulations.

Course Outcomes

By the end of this course, students will be able to:

- 1. Understand the principles and significance of herbal formulation and standardization.**
- 2. Develop herbal formulations using scientific methodologies.**
- 3. Analyze the phytochemical and pharmacological properties of herbal ingredients.**
- 4. Apply modern analytical techniques for quality control and standardization.**
- 5. Comprehend regulatory requirements and guidelines for herbal products.**
- 6. Design innovative approaches to improve the efficacy and safety of herbal formulations.**



Principal
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Module 1: Introduction to Herbal Formulation

(6 hours)

- Historical perspectives and evolution of herbal formulations
- Importance of herbal products in modern healthcare
- Classification of herbal formulations: Powders, tablets, syrups, and extracts
- Challenges in herbal formulation development
- Practical: Preparation of herbal decoctions and infusions

Module 2: Phytochemical Profiling and Extraction Techniques

(6 hours)

- Phytochemicals: Alkaloids, flavonoids, terpenoids, and glycosides
- Extraction methods: Soxhlet, maceration, and ultrasound-assisted techniques
- Isolation and purification of active compounds
- Case studies: Successful herbal extractions and their applications
- Practical: Demonstration of Soxhlet extraction and solvent evaporation

Module 3: Analytical Techniques in Herbal Standardization

(6 hours)

- Importance of standardization in herbal formulations
- Analytical techniques: HPLC, GC-MS, and UV spectroscopy
- Fingerprinting and marker compound analysis
- Quality control parameters: Purity, potency, and safety
- Practical: HPLC analysis of herbal extracts

Module 4: Formulation Development and Stability Studies

(6 hours)

- Principles of herbal formulation design
- Role of excipients in herbal products
- Techniques for enhancing bioavailability of herbal actives
- Stability testing: Protocols and significance
- Practical: Formulation of herbal tablets and stability testing

Module 5: Regulatory and Safety Aspects of Herbal Products

(6 hours)

- Overview of global regulatory frameworks (FDA, EMA, AYUSH)
- Safety assessment and toxicological studies
- Labeling requirements and good manufacturing practices (GMP)
- Adulteration and quality assurance challenges
- Practical: Group activity: Preparing a regulatory dossier for a herbal product

Textbook Reference:

1. *Nanotechnology in Herbal Medicine* by Sabu Thomas et al.,
2. *Phytopharmaceuticals in Drug Development* by Chukwuebuka Egbuna and Abhay Prakash Mishra
3. *Regulatory Affairs for Biomaterials and Medical Devices* by Stephen F. Amato and Robert M. Ezzell Jr.
4. *Herbal Drug Technology* by S. S. Agrawal and M. Paridhavi
5. *Pharmacognosy and Phytochemistry* by Vinod D. Rangari



Principal

Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



VAAGDEVI

COLLEGE OF PHARMACY

RAMNAGAR , HANAMKONDA.



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Hanamkonda, Warangal-506 001



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Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date: 14.11.2023

CIRCULAR

All the B.Pharmacy, M.Pharmacy and Pharm.D., students are hereby informed that our college is organizing VALUE ADDED COURSES on **"DIGITAL TRANSFORMATION IN PHARMACY: TOOLS FOR THE FUTURE"**, **"WEB DESIGN ESSENTIALS FOR HEALTHCARE PROFESSIONALS"**, **"INNOVATIVE CAREER PATHWAYS: A ROADMAP BEYOND TRADITIONAL PHARMACY"**, **"MASTERING THE ART OF PRESENTATION: ENHANCING PUBLIC SPEAKING FOR HEALTHCARE PROFESSIONALS"** and **"MODERN APPROACHES TO HERBAL FORMULATION AND STANDARDIZATION"** during 20-11-2023 to 23-12-2023 coordinated by Dr. Ch. Mounika, Mrs. K. Ragini, Dr. E. Venkateshwarlu, Dr. B.S. Sharavana bhava and Dr. K. Srinivas Reddy. Enrol your Hall ticket numbers. Your attendance will be taken and certificate will be issued based on 75 percentage attendance and internal assessment.

PRINCIPAL

Principal

Vaagdevi College of Pharmacy

Hanamkonda, Warangal-506 001



Principal

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Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date : 23-12-2023

REPORT

Name of the program: **MODERN APPROACHES TO HERBAL FORMULATION AND STANDARDIZATION**

Duration: 20-11-2023 to 23-12-2023

Academic year: 2023-2024

Resource person details:

Dr. N. Saritha,
M.Sc (Nutrition),
Ajara Hospitals, Warangal

Mrs. B. krishnaveni,
Associate Professor,
Department of Pharmacognosy,
Vaagdevi College of Pharmacy

Vaagdevi College of Pharmacy, Ramnagar, Hanamakonda organized a value added program on **MODERN APPROACHES TO HERBAL FORMULATION AND STANDARDIZATION** for B.Pharmacy, Pharm.D., and M.Pharmacy students by Dr. N. Saritha, M.Sc (Nutrition), Ajara Hospitals, Warangal and Mrs. B. krishnaveni, Associate Professor, Department of Pharmacognosy, Vaagdevi College of Pharmacy from 20-11-2023 to 23-12-2023. This program was designed to educate the students about innovative approaches to improve the efficacy and safety of herbal formulations. Totally 60 students participated in this program. Upon completion of the course issued the certificates to the students.

Coordinator

Dr. K. Srinivas Reddy,
Professor, HoD, Department of pharmacognosy



PRINCIPAL

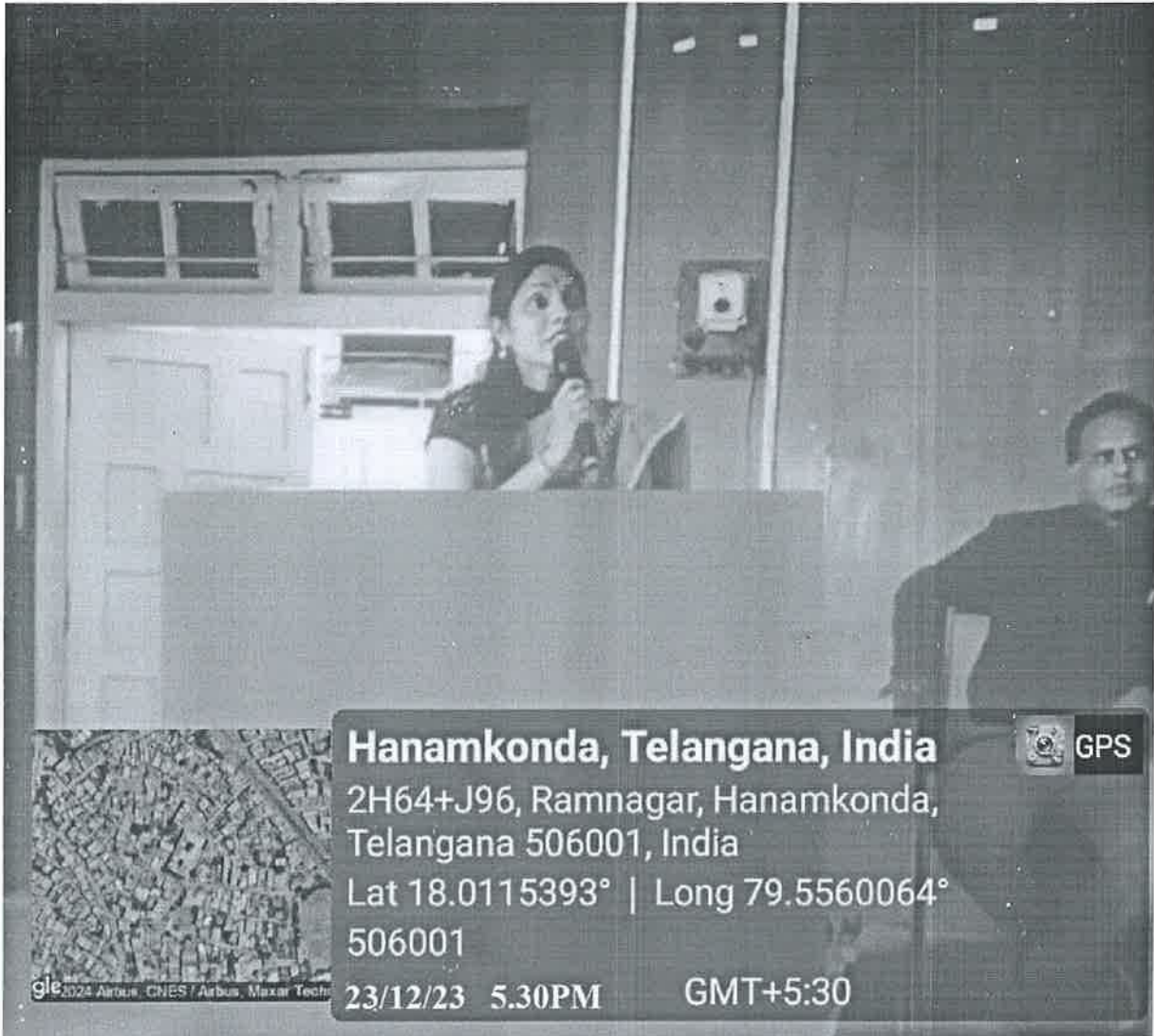
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Hanamakonda, Warangal-506 001

Principal
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Hanamakonda, Warangal-506 001



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Ramnagar Dist. Hanamakonda- 506001, (T.S)



Class on Modern Approaches to Herbal Formulation and Standardization by

Mrs.B.Krishnaveni





Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

MEMORANDUM OF UNDERSTANDING FOR HOSPITAL – INSTITUTE INTERACTION

This M.O.U is between **Vaagdevi College of Pharmacy, 2-2-457/3 Ramnagar, Hanamkonda** here onwards called First Party/ Institute and Second Party **AJARA Hospitals, Mulugu road, Warangal-506007, Telangana.**

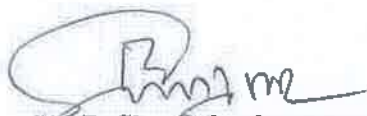
The first party i.e., Institute is conducting B.Pharm., M.Pharm., Pharm.D., & Pharm.D (PB), courses and engaged in teaching and conducting research and is represented by **Dr. B.S. Sharvana bhava, HOD, Pharm.D.,** and second party **Dr. B. Siva Subrahmanyam, MD, AJARA Hospitals, Warangal.**

The guidelines of understanding are as follows:

- 1) The Institute will use the facilities for data collection, review of case sheets, patient counselling, medication history interview, recording the demographics of patients visiting the hospital, ADR reporting and academic project submissions.
- 2) The first party i.e., Vaagdevi College of Pharmacy will not misuse the data obtained from the second party i.e., the Hospital in any terms.
- 3) Other than the above the financial aspects for the developmental activities will be mutually discussed based on case work. Both the parties (Institute & Hospital) will work for the research activities in the areas of mutual interest. The hospital will also help in training the required students in Clinical Pharmacy aspects, Training and Placements.

This M.O.U will come into force from **11-08-2023 to 10-08-2024**

For **AJARA Hospital**

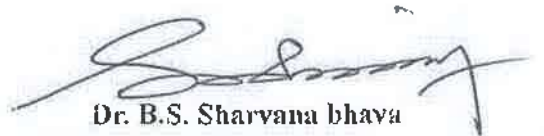


Dr. B. Siva Subrahmanyam,
Managing Director,
AJARA Hospitals, Warangal.

Dr. B. SIVASUBRAMANYAM,
Reg.No:12127 MD(Gen.)
Consultant Physician
Managing Director



For **Vaagdevi College of Pharmacy,**



Dr. B.S. Sharvana bhava
H.O.D, Pharm.D.,
Vaagdevi College of Pharmacy

Dr. B.S. SHARVANA BHAVA, M.Pharm, Ph.D
Professor & Head
Department of Clinical Pharmacy & Pharm.D
Vaagdevi College of Pharmacy, Warangal.



Principal

Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



Principal

Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

VALUE ADDED COURSE
ON

NAVIGATING THE LAW:
LEGAL LITERACY FOR HEALTHCARE PROFESSIONALS



FROM 22-01-2024 to 27-02-2024



Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506001

Co-ordinator :

Dr. S. Pavani,
Professor,
Department of Pharmaceutics
Vaagdevi College of Pharmacy

Resource Persons:

- 1. Dr. D. Sai Srinivas Sharma,**
Pharm.D., LLB,
Advocate, Warangal.
- 2. Mrs. V. Srilekha,**
Assistant Professor,
Department of Pharmaceutics,
Vaagdevi College of Pharmacy



Name of the Programme: VALUE ADDED COURSE ON
Navigating the Law: Legal Literacy for Healthcare Professionals

Schedule: From 22-01-2024 to 27-02-2024

Students: B.Pharm, M.Pharm, Pharm.D.,

Academic Year: 2023 to 2024

Course Code: VCOP/VH6

Timings: Every day 4.30-5.30 PM at SEMINAR HALL 01

Course Objective:

The objective of this course is to provide healthcare professionals with essential legal knowledge and understanding of how laws and regulations impact the healthcare industry. The course aims to equip students with the ability to navigate legal frameworks effectively, ensuring compliance with healthcare laws, protecting patient rights, and minimizing legal risks in clinical practice.

Course Outcomes:

By the end of this course, students will be able to:

- 1. Understand the fundamental principles of healthcare law and its application in clinical practice.**
- 2. Identify and interpret key healthcare laws, including patient rights, privacy, and safety regulations.**
- 3. Navigate the legal responsibilities and liabilities of healthcare professionals in various healthcare settings.**
- 4. Analyze legal cases and apply legal reasoning to common healthcare scenarios.**
- 5. Understand ethical dilemmas in healthcare and the legal frameworks that guide healthcare decision-making.**
- 6. Apply legal literacy in preventing and managing legal issues related to patient care, medical malpractice, and professional misconduct.**
- 7. Recognize the legal implications of emerging healthcare technologies and policies.**



Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

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Course Syllabus:

30HRS

Module 1: Introduction to Healthcare Law (6 hours)

- Overview of healthcare law and its significance for healthcare professionals
- Sources of healthcare law: statutory law, common law, regulations, and case law
- The relationship between law and ethics in healthcare
- Key legal terms and concepts in healthcare law

Module 2: Patient Rights and Healthcare Privacy (6 hours)

- Legal principles of patient rights: Informed consent, autonomy, and confidentiality
- The Health Insurance Portability and Accountability Act (HIPAA) and patient privacy
- Legal requirements for patient consent and refusal of treatment
- Medical records and the legal aspects of maintaining patient privacy

Module 3: Professional Liability and Malpractice (6 hours)

- Understanding medical malpractice: Definition, liability, and negligence
- Legal principles surrounding medical errors and patient harm
- Case studies of malpractice and their legal outcomes
- Risk management strategies for healthcare professionals

Module 4: Healthcare Ethics and Legal Decision-Making (6 hours)

- Ethical principles in healthcare: Autonomy, beneficence, non-maleficence, and justice
- Legal decision-making in life-sustaining treatment and end-of-life care
- Legal and ethical considerations in the treatment of minors and individuals with diminished capacity
- Case studies of ethical and legal dilemmas in healthcare

Module 5: Regulatory Compliance in Healthcare (6 hours)

- Overview of healthcare regulations: FDA, CMS, and other regulatory bodies
- Compliance with healthcare regulations in clinical practice
- Legal requirements for healthcare providers: Licensure, accreditation, and certifications
- Addressing violations and legal consequences of non-compliance

References:

1. "Healthcare Law and Emerging Technologies" by T. J. Smith
2. "Legal Issues in Public Health and Medicine" (Journal Articles)



Principal
Vaagdevi College of Pharmacy
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VAAGDEVI

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VISWAMBHARA EDUCATIONAL SOCIETY

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Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date: 06.01.2024

CIRCULAR

All the B.Pharmacy, M.Pharmacy and Pharm.D., students are hereby informed that our college is organizing VALUE ADDED COURSES on **“NAVIGATING THE LAW: LEGAL LITERACY FOR HEALTHCARE PROFESSIONALS”**, **“HARNESSING ARTIFICIAL INTELLIGENCE IN PHARMACOVIGILANCE AND PATIENT SAFETY”**, **“BIG DATA ANALYTICS IN PERSONALIZED MEDICINE: TRANSFORMING PATIENT CARE”**, **“CHROMATOGRAPHY DEMYSTIFIED: ADVANCED TECHNIQUES IN PHARMACEUTICAL ANALYSIS”** and **“NIOSOMES: REVOLUTIONARY NANO-FORMULATIONS IN DRUG DELIVERY SYSTEMS”** during 22-01-2024 to 27-02-2024 coordinated by Dr. S. Pavani, Dr. E. Venkateshwarlu, Dr. B.S. Sharavana bhava, Dr. D. Kumaraswamy and Dr. Y. Shravan Kumar. Enrol your Hall ticket numbers. Your attendance will be taken and certificate will be issued based on 75 percentage attendance and internal assessment.


PRINCIPAL

Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001




Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001



VISWAMBHARA EDUCATIONAL SOCIETY
VAAGDEVI COLLEGE OF PHARMACY

(Approved by AICTE & PCI, New Delhi & affiliated to Kakatiya University, Warangal, T.S.)
Ramnagar Dist. Hanamakonda- 506001, (T.S)

Date : 27-02-2024

REPORT

Name of the program: **NAVIGATING THE LAW: LEGAL LITERACY FOR HEALTHCARE PROFESSIONALS**

Duration: 22-01-2024 to 27-02-2024

Academic year: 2023-2024

Resource person details: . . .

**Dr. D. Sai Srinivas Sharma, Pharm.D.,
LLB, Advocate, Warangal.**

**Mrs. V. Srilekha,
Assistant Professor,
Department of Pharmaceutics,
Vaagdevi College of Pharmacy**

Vaagdevi College of Pharmacy, Ramnagar, Hanamakonda organized a value added program on **NAVIGATING THE LAW: LEGAL LITERACY FOR HEALTHCARE PROFESSIONALS** for B.Pharmacy, Pharm.D., and M.Pharmacy students by Dr. D. Sai Srinivas Sharma, Pharm.D., LLB, Advocate, Warangal and Mrs. V. Srilekha, Assistant Professor, Department of Pharmaceutics, Vaagdevi College of Pharmacy from 22-01-2024 to 27-02-2024. This program was designed to educate the students with the ability to navigate legal frameworks effectively, ensuring compliance with healthcare laws, protecting patient rights, and minimizing legal risks in clinical practice. Totally 51 students participated in this program. Upon completion of the course issued the certificates to the students.

S. Pavani

Coordinator

Dr. S. Pavani,
Professor,
Department of Pharmaceutics

[Signature]
Principal

**Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001**



[Signature]
**Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001**



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**Class on Navigating the Law: Legal Literacy for Healthcare Professionals by
Dr. D. Sai Srinivas Sharma**




Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



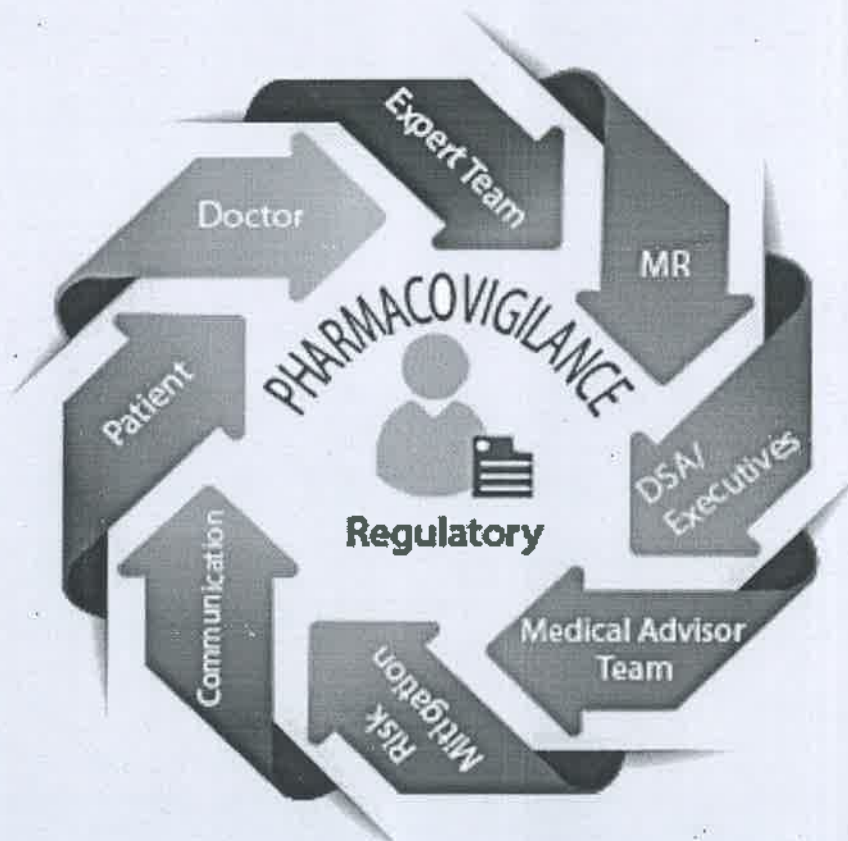
VAAGDEVI

COLLEGE OF PHARMACY

RAMNAGAR, HANAMKONDA.

VALUE ADDED COURSE
ON

HARNESSING ARTIFICIAL INTELLIGENCE IN PHARMACOVIGILANCE AND PATIENT SAFETY



FROM 22-01-2024 TO 27-02-2024



Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

Co-ordinator :

Dr. E. Venkateshwarlu,
Professor & HoD,
Department of Pharmacology
Vaagdevi College of Pharmacy

Resource Persons:

- 1. Dr. B. Siva Subrahmanyam,**
Consultant Physician & Diabetologist,
Ajara Hospitals, Warangal
- 2. Dr. B.S. Sharavana bhava,**
Professor & HoD,
Department of Pharm.D.,
Vaagdevi College of Pharmacy



**NAME OF THE PROGRAMME: VALUE ADDED COURSE ON
HARNESSING ARTIFICIAL INTELLIGENCE IN PHARMACOVIGILANCE AND PATIENT
SAFETY**

SCHEDULE: FROM 22-01-2024 TO 27-02-2024

STUDENTS: B.PHARM,M.PHARM, PHARM.D.,

ACADEMIC YEAR: 2023 TO 2024

COURSE CODE: VCOP/VH7

TIMINGS: EVERY DAY 4.30-5.30 PM AT SEMINAR HALL 02

Course Objective

The objective of this course is to provide students with a comprehensive understanding of the role of Artificial Intelligence (AI) in enhancing pharmacovigilance and ensuring patient safety. The course aims to equip students with theoretical knowledge and practical skills to utilize AI tools for monitoring, analyzing, and mitigating adverse drug reactions (ADRs) while improving overall healthcare outcomes.

Course Outcomes

By the end of this course, students will be able to:

- 1. Understand the fundamentals of Artificial Intelligence and its application in health care.**
- 2. Analyze the role of AI in adverse drug reaction detection and reporting.**
- 3. Evaluate the ethical and regulatory considerations in AI-driven pharmacovigilance.**
- 4. Utilize AI tools and software for data mining and signal detection in pharmacovigilance.**
- 5. Integrate AI methodologies into patient safety initiatives to improve healthcare outcomes.**
- 6. Design innovative approaches to pharmacovigilance using AI technologies.**



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Warangal-506 001

Module 1: Introduction to Artificial Intelligence in Healthcare (6 hours)

- Basics of AI: Machine Learning, Deep Learning, and Natural Language Processing
- AI applications in healthcare: Overview and opportunities
- Introduction to pharmacovigilance and patient safety
- Role of AI in transforming pharmacovigilance practices
- Practical: Exploring basic AI tools and platforms

Module 2: AI in Adverse Drug Reaction Detection (6 hours)

- Adverse drug reactions: Classification and significance
- Signal detection and data mining using AI
- AI-driven pharmacovigilance databases and tools
- Case studies: Successful applications of AI in ADR monitoring
- Practical: Hands-on session with data mining software (e.g., Python, R)

Module 3: AI in Predictive Analytics for Patient Safety (6 hours)

- Predictive modeling for adverse event prediction
- Risk assessment using AI algorithms
- Integration of patient data and electronic health records (EHRs) with AI
- Practical: Building simple predictive models using AI tools

Module 4: Ethical and Regulatory Considerations in AI-driven Pharmacovigilance (6 hours)

- Regulatory framework for AI in healthcare (FDA, EMA guidelines)
- Ethical considerations: Bias, transparency, and accountability
- Challenges in implementing AI in pharmacovigilance
- Practical: Analyzing case studies on regulatory approval of AI tools

Module 5: AI Tools and Platforms for Pharmacovigilance (6 hours)

- Overview of AI tools: IBM Watson, TensorFlow, and other platforms
- Signal detection software: VigiBase, OpenVigil, and others
- Comparative analysis of AI tools for pharmacovigilance
- Practical: Demonstration and use of VigiBase for ADR signal detection

Textbook Reference:

1. Artificial Intelligence in Healthcare: Concepts, Applications, and Perspectives by Parag Suresh Mahajan
2. Artificial Intelligence and Machine Learning for Healthcare by Anshul Joshi
3. Data Mining for Pharmacovigilance by Andrew Bate
4. Artificial Intelligence in Medicine: Regulation and Ethics by Jonathan Herring
5. Practical Predictive Analytics and Decisioning Systems for Medicine by Linda Miner et al.
6. Pharmacovigilance: A Practical Approach by Joanne Barnes and Elizabeth Williamson



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VAAGDEVI

COLLEGE OF PHARMACY

RAMNAGAR , HANAMKONDA.



Principal

Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



VISWAMBHARA EDUCATIONAL SOCIETY

VAAGDEVI COLLEGE OF PHARMACY

(Approved by AICTE & PCI, New Delhi & affiliated to Kakatiya University, Warangal, T.S)
Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date: 06.01.2024

CIRCULAR


All the B.Pharmacy, M.Pharmacy and Pharm.D., students are hereby informed that our college is organizing VALUE ADDED COURSES on "NAVIGATING THE LAW: LEGAL LITERACY FOR HEALTHCARE PROFESSIONALS", "HARNESSING ARTIFICIAL INTELLIGENCE IN PHARMACOVIGILANCE AND PATIENT SAFETY", "BIG DATA ANALYTICS IN PERSONALIZED MEDICINE: TRANSFORMING PATIENT CARE", "CHROMATOGRAPHY DEMYSTIFIED: ADVANCED TECHNIQUES IN PHARMACEUTICAL ANALYSIS" and "NIOSOMES: REVOLUTIONARY NANO-FORMULATIONS IN DRUG DELIVERY SYSTEMS" during 22-01-2024 to 27-02-2024 coordinated by Dr. S. Pavani, Dr. E. Venkateshwarlu, Dr. B.S. Sharavana bhava, Dr. D. Kumaraswamy and Dr. Y. Shravan Kumar. Enrol your Hall ticket numbers. Your attendance will be taken and certificate will be issued based on 75 percentage attendance and internal assessment.



PRINCIPAL

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Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date : 27-02-2024

REPORT

Name of the program: **HARNESSING ARTIFICIAL INTELLIGENCE IN PHARMACOVIGILANCE AND PATIENT SAFETY**

Duration: 22-01-2024 to 27-02-2024

Academic year: 2023-2024

Resource person details:

Dr. B. Siva Subrahmanyam,
Consultant Physician & Diabetologist,
Ajara Hospitals, Warangal

Dr. B.S. Sharavana bhava,
Professor,
HoD, Department of Pharm.D.,

Vaagdevi College of Pharmacy

Vaagdevi College of Pharmacy, Ramnagar, Hanamakonda organized a value added program on **HARNESSING ARTIFICIAL INTELLIGENCE IN PHARMACOVIGILANCE AND PATIENT SAFETY** for B.Pharmacy, Pharm.D., and M.Pharmacy students by Dr. B. Siva Subrahmanyam, Consultant Physician & Diabetologist, Ajara Hospitals, Warangal and Dr. B.S. Sharavana bhava, Professor, HoD, Department of Pharm.D., Vaagdevi College of Pharmacy from 22-01-2024 to 27-02-2024. This program was designed to educate the students to utilize AI tools for monitoring, analyzing, and mitigating adverse drug reactions (ADRs). Totally 45 students participated in this program. Upon completion of the course issued the certificates to the students.

Coordinator

Dr. E. Venkateshwarlu,

Professor,

HoD, Department of Pharmacology

Principal

Principal

Vaagdevi College of Pharmacy

Hanamkonda, Warangal-506 001



Principal

Vaagdevi College of Pharmacy

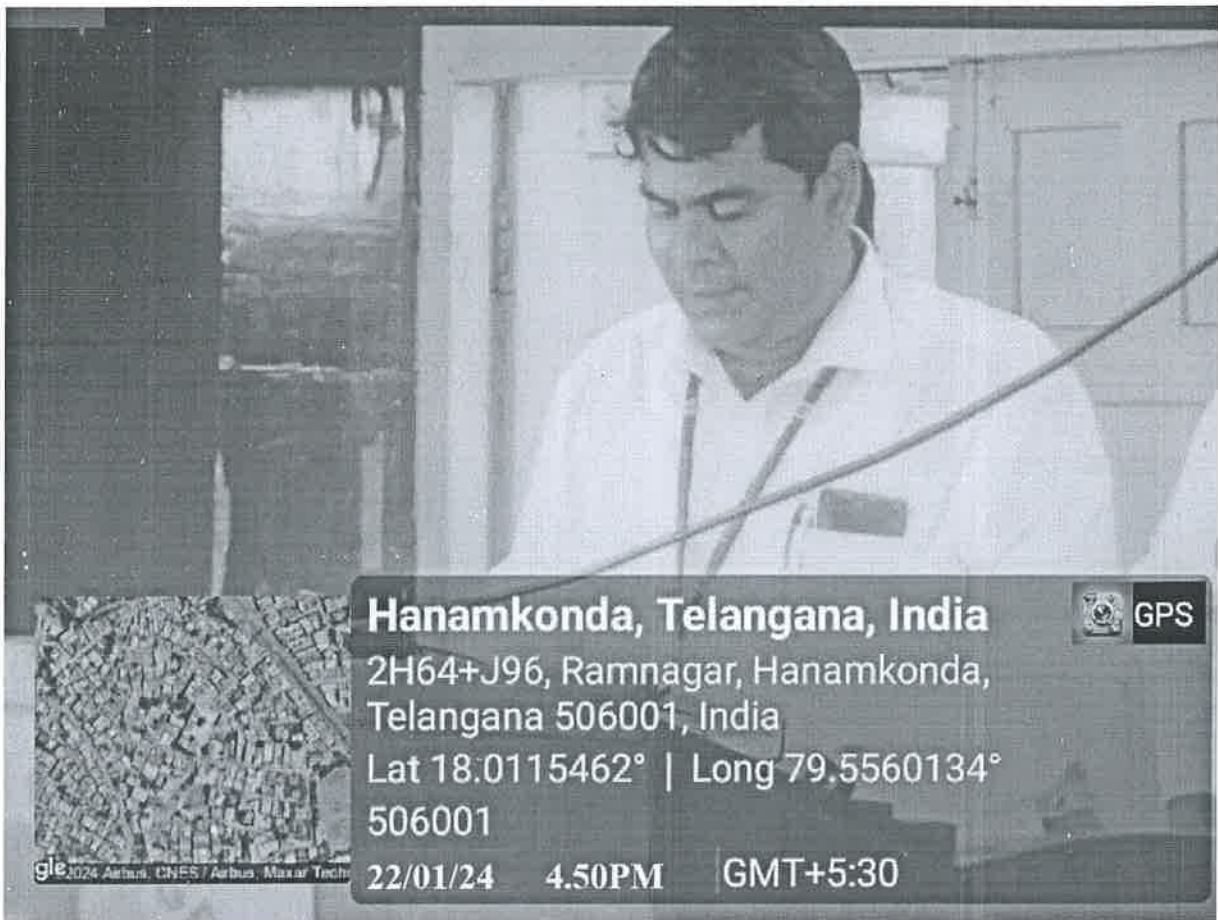
Hanamkonda, Warangal-506 001



VISWAMBHARA EDUCATIONAL SOCIETY

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[Approved by AICTE & PCI, New Delhi & affiliated to Kakatiya University, Warangal, T.S]
Ramnagar Dist. Hanamakonda- 506001, (T.S)



Class on Harnessing Artificial Intelligence in Pharmacovigilance and Patient Safety by

Dr. B. S. Sharavana bhava




Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



MEMORANDUM OF UNDERSTANDING FOR HOSPITAL – INSTITUTE INTERACTION

This M.O.U is between **Vaagdevi College of Pharmacy, 2-2-457/3 Ramnagar, Hanamkonda** here onwards called **First Party/ Institute** and **Second Party AJARA Hospitals, Mulugu road, Warangal-506007, Telangana.**


The first party i.e., Institute is conducting **B.Pharm., M.Pharm., Pharm.D., & Pharm.D (PB),** courses and engaged in teaching and conducting research and is represented by **Dr. B.S. Sharvana bhava, HOD, Pharm.D.,** and second party **Dr. B. Siva Subrahmanyam, MD, AJARA Hospitals, Warangal.**

The guidelines of understanding are as follows:

- 1) The Institute will use the facilities for data collection, review of case sheets, patient counselling, medication history interview, recording the demographics of patients visiting the hospital, ADR reporting and academic project submissions.
- 2) The first party i.e., Vaagdevi College of Pharmacy will not misuse the data obtained from the second party i.e., the Hospital in any terms.
- 3) Other than the above the financial aspects for the developmental activities will be mutually discussed based on case work. Both the parties (Institute & Hospital) will work for the research activities in the areas of mutual interest. The hospital will also help in training the required students in Clinical Pharmacy aspects, Training and Placements.


This M.O.U will come into force from **11-08-2023 to 10-08-2024**

For **AJARA Hospital**


Dr. B. Siva Subrahmanyam,
Managing Director,
AJARA Hospitals, Warangal.
Dr. B. SIVASUBRAMANYAM,
Reg.No:12127 * * MD(Ge.Ne.)
Consultant Physician
Managing Director



For **Vaagdevi College of Pharmacy,**


Dr. B.S. Sharvana bhava
H.O.D, Pharm.D.,
Vaagdevi College of Pharmacy

Dr. B.S. SHARVANA BHAVA, M.Pharm, Ph.D
Professor & Head
Department of Clinical Pharmacy & Pharm.D
Vaagdevi College of Pharmacy, Warangal.




Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001




Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



VAAGDEVI COLLEGE OF PHARMACY

RAMNAGAR, HANAMKONDA.

VALUE ADDED COURSE
ON

BIG DATA ANALYTICS IN PERSONALIZED MEDICINE : TRANSFORMING PATIENT CARE

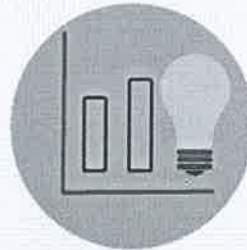
Key data factors in pharma



Data
governance



Support business
workflows



Advanced
analytics



Proficiency in
cloud computing

FROM 22-01-2024 TO 27-02-2024



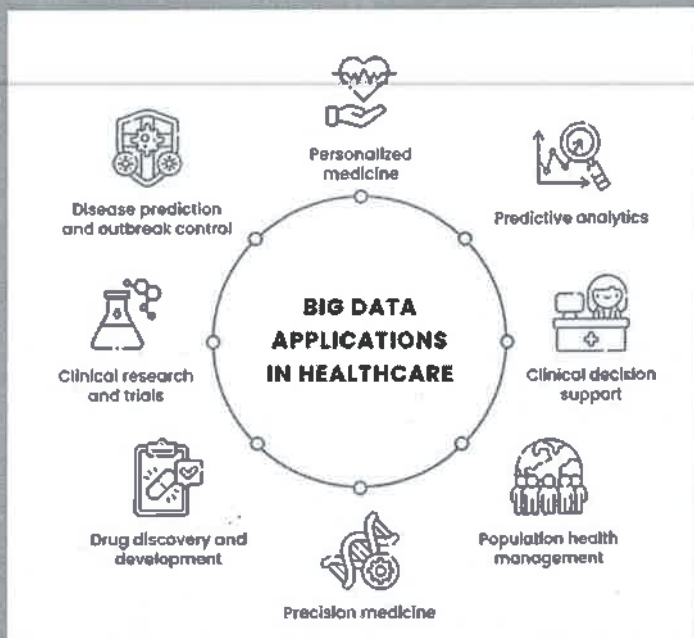
Principal
Vaagdevi College of Pharmacy,
Hanamkonda, Warangal-506 001

Co-Ordinator :

Dr. B.S. Sharavana bhava,
Professor & HoD,
Department of Pharm.D.,
Vaagdevi College of Pharmacy

Resource Persons:

1. Dr. P. Gopinath,
Associate Professor,
Dept. of Mathematics & Statistics,
Chaitanya Deemed to be University, Hyderabad.
2. Dr. P. Girija,
Professor,
Department of Pharmacology,
Vaagdevi College of Pharmacy



Name of the Programme: VALUE ADDED COURSE ON
Big Data Analytics in Personalized Medicine: Transforming Patient Care

Schedule: From 22-01-2024 to 27-02-2024

Students: B.Pharm, M.Pharm, Pharm.D.,

Academic Year: 2023 to 2024

Course Code: VCOP/VH8

Timings: Every day 4.30-5.30 PM at lecture hall O2

Course Objective

The objective of this course is to introduce students to the fundamentals of big data analytics and its transformative role in personalized medicine. Students will explore how large-scale data integration and analysis are used to tailor medical treatments to individual patients, enhancing therapeutic outcomes and advancing precision healthcare.

Course Outcomes

By the end of this course, students will be able to:

1. Understand the principles and applications of big data analytics in healthcare.
2. Analyze the role of genomics, clinical data, and real-world evidence in personalized medicine.
3. Use analytical tools to interpret and visualize complex healthcare datasets.
4. Evaluate ethical, legal, and regulatory issues associated with big data in personalized medicine.
5. Develop strategies to integrate big data analytics into patient care.
6. Propose innovative solutions to real-world challenges in personalized medicine using big data.



[Signature]
Principal
Vaagdevi College of Pharm.
Hanamkonda, Warangal-506 001

Module 1: Introduction to Big Data Analytics in Healthcare (6 hours)

- Overview of big data and its relevance to healthcare
- Fundamentals of personalized medicine: Concepts and goals
- Sources of big data in healthcare: EHRs, genomics, wearable devices
- Challenges in big data integration and management
- Practical: Exploring publicly available healthcare datasets

Module 2: Genomics and Personalized Medicine (6 hours)

- Role of genomics in personalized medicine
- Analysis of genomic data using big data tools
- Applications: Pharmacogenomics, gene therapy, and precision oncology
- Case studies: Success stories in genomics-driven patient care
- Practical: Basic genomic data analysis using bioinformatics tools

Module 3: Analytical Tools and Techniques (6 hours)

- Introduction to big data tools: Hadoop, Spark, and Python
- Data preprocessing, cleaning, and integration
- Statistical methods and machine learning in big data analytics
- Data visualization techniques
- Practical: Hands-on session with Python for data analysis and visualization

Module 4: Real-World Applications of Big Data in Healthcare (6 hours)

- Predictive analytics for disease prevention and management
- AI and big data in drug discovery and clinical trials
- Personalized treatment planning using integrated datasets
- Case studies: Big data in chronic disease management
- Practical: Analyzing real-world data to predict patient outcomes

Module 5: Ethical, Legal, and Regulatory Aspects (6 hours)

- Patient privacy and data security in big data analytics
- Ethical issues in personalized medicine
- Regulatory frameworks for big data and precision healthcare
- Addressing bias and fairness in data analysis
- Practical: Group discussion on ethical dilemmas in big data projects

Textbook Reference:

1. Healthcare Analytics: From Data to Knowledge to Healthcare Improvement by Hui Yang and Eva K. Lee
2. Big Data in Healthcare: Statistical and Analytical Techniques for Public Health by Katherine Marconi and Harold Lehmann
3. Ethics and Data Science by Mike Loukides, Hilary Mason, and DJ Patil
4. Predictive Analytics for Healthcare by Vikas (Vik) Kumar
5. Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython by Wes McKinney



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COLLEGE OF PHARMACY

RAMNAGAR , HANAMKONDA.



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VISWAMBHARA EDUCATIONAL SOCIETY

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Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date: 06.01.2024


CIRCULAR

All the B.Pharmacy, M.Pharmacy and Pharm.D., students are hereby informed that our college is organizing VALUE ADDED COURSES on "NAVIGATING THE LAW: LEGAL LITERACY FOR HEALTHCARE PROFESSIONALS", "HARNESSING ARTIFICIAL INTELLIGENCE IN PHARMACOVIGILANCE AND PATIENT SAFETY", "BIG DATA ANALYTICS IN PERSONALIZED MEDICINE: TRANSFORMING PATIENT CARE", "CHROMATOGRAPHY DEMYSTIFIED: ADVANCED TECHNIQUES IN PHARMACEUTICAL ANALYSIS" and "NIOSOMES: REVOLUTIONARY NANO-FORMULATIONS IN DRUG DELIVERY SYSTEMS" during 22-01-2024 to 27-02-2024 coordinated by Dr. S. Pavani, Dr. E. Venkateshwarlu, Dr. B.S. Sharavana bhava, Dr. D. Kumaraswamy and Dr. Y. Shravan Kumar. Enrol your Hall ticket numbers. Your attendance will be taken and certificate will be issued based on 75 percentage attendance and internal assessment.


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Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001




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Hanamakonda, Warangal-506 001



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Ramnagar Dist. Hanamakonda- 506001, (T.S)

Date : 27-02-2024

REPORT

Name of the program: **BIG DATA ANALYTICS IN PERSONALIZED MEDICINE: TRANSFORMING PATIENT CARE**

Duration: 22-01-2024 to 27-02-2024

Academic year: 2023-2024

Resource person details:

Dr. P. Gopinath,
Associate Professor,
Dept. of Mathematics & Statistics,
Chaitanya Deemed to be University, Hyderabad.

Dr. P. Girija,
Professor,
Department of Pharmacology,
Vaagdevi College of Pharmacy

Vaagdevi College of Pharmacy, Ramnagar, Hanamakonda organized a value added program on **BIG DATA ANALYTICS IN PERSONALIZED MEDICINE: TRANSFORMING PATIENT CARE** for B.Pharmacy, Pharm.D., and M.Pharmacy students by Dr. P. Gopinath, Associate Professor, Dept. of Mathematics & Statistics, Chaitanya Deemed to be University, Hyderabad and Dr. P. Girija, Professor, Department of Pharmacology, Vaagdevi College of Pharmacy from 22-01-2024 to 27-02-2024. This program was designed to educate the students about analyze the role of genomics, clinical data, and real-world evidence in personalized medicine. Totally 35 students participated in this program. Upon completion of the course issued the certificates to the students.

Coordinator
Dr. B.S. Sharavana bhava,
Professor,
HoD, Department of Pharm.D.,

Principal
Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001



Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001



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VAAGDEVI COLLEGE OF PHARMACY

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Ramnagar Dist. Hanamakonda- 506001, (T.S)



Hanamkonda, Telangana, India
2H64+MHR, Ramnagar, Hanamakonda, Telangana 506001, India
Lat 18.011826°
Long 79.556421°
15/12/23 4.35 PM GMT+5.30

**Class on Big Data Analytics in Personalized Medicine: Transforming Patient
Care by Dr. P. Girija**



Principal
Vaagdevi College of Pharmacy
Hanamakonda, Warangal-506 001



CHAITANYA

(DEEMED TO BE UNIVERSITY)

Declared u/s 3 of UGC Act, 1956 by MHRD, Govt. of India

MEMORANDUM OF UNDERSTANDING (MOU)

Between

VAAGDEVI COLLEGE OF PHARMACY,

RAMNAGAR, HANAMKONDA

And

CHAITANYA DEEMED TO BE UNIVERSITY,

HYDERABAD

VAAGDEVI COLLEGE OF PHARMACY, RAMNAGAR, HANAMKONDA, and CHAITANYA DEEMED TO BE UNIVERSITY has reached agreement on the following areas of cooperation and subject to mutual consent.

1. Exchange of subject experts
2. Exchange of academic materials and other information
3. Student exchange for internships and placements

The terms of such mutual assistance for any specific program and activity shall be mutually discussed and agreed upon in writing by both parties prior to the initiation of a particular program.

Each institution will designate an individual to coordinate this program all endeavours that may derive from it. For this purpose, CHAITANYA DEEMED TO BE UNIVERSITY, HYDERABAD designates Prof.M.Ravinder, Registrar, and Vaagdevi College of Pharmacy, Ramnagar, Hanamkonda designates Dr. C. Srinivas Reddy, Principal.

No amendment, consent, or waiver of terms of this Letter of Collaboration shall bind either party unless in writing and signed by all parties. Any such amendment, consent, or waiver shall be effective only in the specific instance and for the specified purpose given.

This memorandum of Understanding shall commence on 8th August 2023 and be in effect for one year i.e. (8th August 2024), at which time it shall be reviewed for possible extension. Either party may terminate this letter by written notification signed by the appropriate official of the institution initiating the notice. However, such notification must be received by the other party at least two months prior to the effective date of termination

For Chaitanya Deemed to be University,

HYDERABAD

Prof.M.Ravinder

Registrar

Date: 8/8/2023
Registrar

Chaitanya (Deemed to be University)
Vill: Himayathnagar, Md. Moinabad,
Ranga Reddy District, Hyderabad: 500 075.

For VAAGDEVI COLLEGE OF PHARMACY,

RAMNAGAR, HANAMKONDA

Dr. C Srinivas Reddy

Principal

Date:

Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



Principal

Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



VAAGDEVI

COLLEGE OF PHARMACY

RAMNAGAR, HANAMKONDA.

VALUE ADDED COURSE
ON

Chromatography Demystified :

Advanced Techniques in

Pharmaceutical Analysis



FROM 22-01-2024 TO 27-02-2024



Principal

Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

CO-ORDINATOR :

DR. D. KUMARASWAMY,
PROFESSOR, HOD,
DEPT. OF PHARMACEUTICAL ANALYSIS
VAAGDEVI COLLEGE OF PHARMACY

RESOURCE PERSONS

1. DR. T. MANEESH KUMAR
HOD
DEPT. OF PHARMACEUTICAL ANALYSIS, BIPS, NARSAMPET.
2. MS. M. SHRUTHY,
ASSOCIATE PROFESSOR,
DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
VAAGDEVI COLLEGE OF PHARMACY

NAME OF THE PROGRAMME:

VALUE ADDED COURSE ON CHROMATOGRAPHY DEMYSTIFIED: ADVANCED
TECHNIQUES IN PHARMACEUTICAL ANALYSIS

SCHEDULE: FROM 22-01-2024 TO 27-02-2024

STUDENTS: B.PHARM, M.PHARM, PHARM.D.,

ACADEMIC YEAR: 2023 TO 2024

COURSE CODE: VCOP/VH9

TIMINGS: EVERY DAY 4.30-5.30 PM AT LECTURE HALL 03



COURSE OBJECTIVE

THE OBJECTIVE OF THIS COURSE IS TO PROVIDE STUDENTS WITH A DEEP UNDERSTANDING OF ADVANCED CHROMATOGRAPHIC TECHNIQUES AND THEIR APPLICATIONS IN PHARMACEUTICAL ANALYSIS. THIS COURSE AIMS TO EQUIP STUDENTS WITH THEORETICAL KNOWLEDGE AND HANDS-ON EXPERIENCE IN THE PRINCIPLES, INSTRUMENTATION, AND METHODS USED IN CHROMATOGRAPHY FOR QUALITY CONTROL AND RESEARCH IN THE PHARMACEUTICAL INDUSTRY.

COURSE OUTCOMES

BY THE END OF THIS COURSE, STUDENTS WILL BE ABLE TO:

1. EXPLAIN THE PRINCIPLES AND MECHANISMS OF VARIOUS CHROMATOGRAPHIC TECHNIQUES.
2. SELECT APPROPRIATE CHROMATOGRAPHIC METHODS FOR SPECIFIC PHARMACEUTICAL ANALYSES.
3. OPERATE CHROMATOGRAPHIC INSTRUMENTS AND TROUBLESHOOT COMMON ISSUES.
4. INTERPRET CHROMATOGRAPHIC DATA FOR QUALITY CONTROL AND RESEARCH APPLICATIONS.
5. APPLY ADVANCED CHROMATOGRAPHIC TECHNIQUES IN DRUG DEVELOPMENT AND VALIDATION.
6. EVALUATE CURRENT TRENDS AND ADVANCEMENTS IN CHROMATOGRAPHY FOR PHARMACEUTICAL APPLICATIONS.



Principal

Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



COURSE SYLLABUS

30HRS

MODULE 1: FUNDAMENTALS OF CHROMATOGRAPHY (6 HOURS)

- HISTORY AND EVOLUTION OF CHROMATOGRAPHY
- BASIC PRINCIPLES OF CHROMATOGRAPHIC SEPARATION
- TYPES OF CHROMATOGRAPHY: PLANAR AND COLUMN CHROMATOGRAPHY
- KEY PARAMETERS: RETENTION TIME, RESOLUTION, AND EFFICIENCY
- OVERVIEW OF CHROMATOGRAPHIC INSTRUMENTATION
- PRACTICAL: UNDERSTANDING BASIC CHROMATOGRAPHIC SETUPS

MODULE 2: GAS CHROMATOGRAPHY (GC) (6 HOURS)

- PRINCIPLES AND MECHANISM OF GAS CHROMATOGRAPHY
- INSTRUMENTATION: COMPONENTS AND FUNCTIONS
- STATIONARY PHASES AND DETECTORS IN GC
- APPLICATIONS IN PHARMACEUTICAL ANALYSIS: RESIDUAL SOLVENTS, VOLATILE IMPURITIES
- PRACTICAL: HANDS-ON OPERATION OF GC EQUIPMENT

MODULE 3: HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC) (6 HOURS)

- FUNDAMENTALS OF HPLC AND ITS TYPES (E.G., REVERSE-PHASE, NORMAL-PHASE)
- INSTRUMENTATION AND ROLE OF DETECTORS (UV, PDA, ETC.)
- METHOD DEVELOPMENT AND VALIDATION IN HPLC
- APPLICATIONS: ASSAY OF ACTIVE PHARMACEUTICAL INGREDIENTS (APIS), STABILITY STUDIES
- PRACTICAL: DEVELOPING AND OPTIMIZING AN HPLC METHOD

MODULE 4: THIN-LAYER CHROMATOGRAPHY (TLC) AND SUPERCRITICAL FLUID CHROMATOGRAPHY (SFC) (6 HOURS)

- TLC: PRINCIPLES, METHODOLOGIES, AND APPLICATIONS IN PHARMACEUTICALS
- VISUALIZATION TECHNIQUES IN TLC
- INTRODUCTION TO SFC: MECHANISMS AND APPLICATIONS
- ADVANTAGES OF SFC OVER OTHER CHROMATOGRAPHIC TECHNIQUES
- PRACTICAL: PERFORMING A TLC ANALYSIS

MODULE 5: ADVANCES IN CHROMATOGRAPHIC TECHNIQUES (6 HOURS)

- ULTRA-HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY (UHPLC)
- TWO-DIMENSIONAL CHROMATOGRAPHY (2D-LC)
- HYPHENATED TECHNIQUES: LC-MS, GC-MS, AND LC-NMR
- REAL-WORLD APPLICATIONS IN PHARMACEUTICAL ANALYSIS
- PRACTICAL: DATA INTERPRETATION FROM HYPHENATED TECHNIQUES

Textbook Reference:

1. Analytical Chromatography: Methods and Applications by Joseph Sherma
2. Chromatography: Concepts and Contrasts by James M. Miller
3. Handbook of Pharmaceutical Analysis by HPLC by Satinder Ahuja and Michael Dong
4. Thin-Layer Chromatography In Phytochemistry by Monika Waksmundzka-Hajnos
5. Practical HPLC Method Development by Lloyd R. Snyder *et al.*
6. Introduction to Modern Liquid Chromatography by Lloyd R. Snyder, Joseph J. Kirkland, and John W. Dolan



Veagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



VAAGDEVI

COLLEGE OF PHARMACY

RAMNAGAR , HANAMKONDA.



Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



VISWAMBHARA EDUCATIONAL SOCIETY
VAAGDEVI COLLEGE OF PHARMACY

(Approved by AICTE & PCI, New Delhi & affiliated to Kakatiya University, Warangal, T.S)
Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date: 06.01.2024


CIRCULAR

All the B.Pharmacy, M.Pharmacy and Pharm.D., students are hereby informed that our college is organizing VALUE ADDED COURSES on "NAVIGATING THE LAW: LEGAL LITERACY FOR HEALTHCARE PROFESSIONALS", "HARNESSING ARTIFICIAL INTELLIGENCE IN PHARMACOVIGILANCE AND PATIENT SAFETY", "BIG DATA ANALYTICS IN PERSONALIZED MEDICINE: TRANSFORMING PATIENT CARE", "**CHROMATOGRAPHY DEMYSTIFIED: ADVANCED TECHNIQUES IN PHARMACEUTICAL ANALYSIS**" and "NIOSOMES: REVOLUTIONARY NANO-FORMULATIONS IN DRUG DELIVERY SYSTEMS" during 22-01-2024 to 27-02-2024 coordinated by Dr. S. Pavani, Dr. E. Venkateshwarlu, Dr. B.S. Sharavana bhava, Dr. D. Kumaraswamy and Dr. Y. Shravan Kumar. Enrol your Hall ticket numbers. Your attendance will be taken and certificate will be issued based on 75 percentage attendance and internal assessment.


PRINCIPAL

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Ramnagar Dist, Hanamakonda- 506001, (T.S)

Date : 27-02-2024

REPORT

Name of the program: **CHROMATOGRAPHY DEMYSTIFIED: ADVANCED TECHNIQUES IN PHARMACEUTICAL ANALYSIS**

Duration: 22-01-2024 to 27-02-2024

Academic year: 2023-2024

Resource person details:

Dr. T. Maneesh Kumar,
HoD, Dept. of Pharmaceutical Analysis,
BIPS, Narsampet.

Ms. M. Shruthy,
Associate Professor,
Department of Pharmaceutical chemistry
Vaagdevi College of Pharmacy

Vaagdevi College of Pharmacy, Ramnagar, Hanamakonda organized a value added program on **CHROMATOGRAPHY DEMYSTIFIED: ADVANCED TECHNIQUES IN PHARMACEUTICAL ANALYSIS** B.Pharmacy, Pharm.D., and M.Pharmacy students by Dr. T. Maneesh Kumar, HoD, Dept. of Pharmaceutical Analysis, BIPS, Narsampet and Ms. M. Shruthy, Associate Professor, Department of Pharmaceutical chemistry Vaagdevi College of Pharmacy from 22-01-2024 to 27-02-2024. This program was designed to educate the students about advanced chromatographic techniques in drug development and validation. Totally 41 students participated in this program. Upon completion of the course issued the certificates to the students.


Coordinator

Dr. D. Kumaraswamy,
Professor,
HoD, Dept. of Pharmaceutical Analysis,


Principal

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Hanamakonda, Warangal-506 001



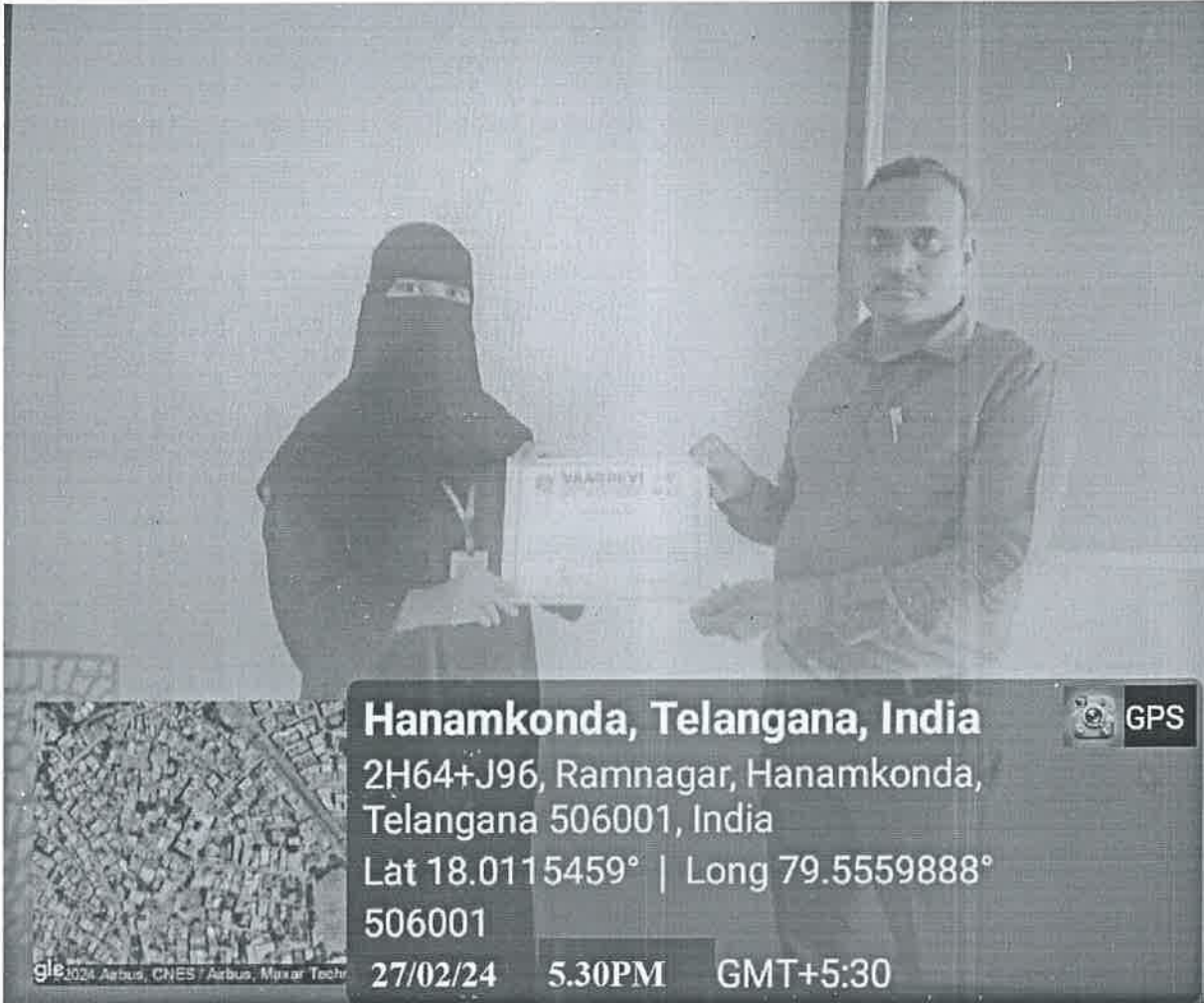

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Certificate distribution on Chromatography Demystified: Advanced Techniques in
Pharmaceutical Analysis by Dr.D.Kumaraswamy




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Hanamakonda, Warangal-506 001



Balaji Institute of Pharmaceutical Sciences

Laknepally, Narsampet, Dist. Warangal (Rural) - 506 331 (T.S.)
Off. : +91 98660 50044, Fax : 08718 230521
E-mail : principal@bipswgl.org.in
Website : www.bipswgl.org.in
Mobile : 9866652412

MEMORANDUM OF UNDERSTANDING (MOU)

Between

VAAGDEVI COLLEGE OF PHARMACY,

RAMNAGAR, HANAMKONDA

And

BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES,

NARSAMPET

VAAGDEVI COLLEGE OF PHARMACY, RAMNAGAR, HANAMKONDA, and BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES, NARSAMPET has reached agreement on the following areas of cooperation and subject to mutual consent.

1. Exchange of subject experts
2. Exchange of academic materials and other information
3. Student exchange for internships and placements

The terms of such mutual assistance for any specific program and activity shall be mutually discussed and agreed upon in writing by both parties prior to the initiation of a particular program.

Each institution will designate an individual to coordinate this program all endeavours that may derive from it. For this purpose **BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES, NARSAMPET, designates Dr. A. Shyam Sunder, Principal, and Vaagdevi College of Pharmacy, Ramnagar, Hanamkonda designates Dr. K Srinivas Reddy, Principal.**

No amendment, consent, or waiver of terms of this Letter of Collaboration shall bind either party unless in writing and signed by all parties. Any such amendment, consent, or waiver shall be effective only in the specific instance and for the specified purpose given.

This memorandum of Understanding shall commence on **8th August 2023** and be in effect for one year i.e. (**8th August 2024**), at which time it shall be reviewed for possible extension. Either party may terminate this letter by written notification signed by the appropriate official of the institution initiating the notice. However, such notification must be received by the other party at least two months prior to the effective date of termination

For **BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES,**

For **VAAGDEVI COLLEGE OF PHARMACY,**

LAKNEPALLY, NARSAMPET

RAMNAGAR, HANAMKONDA


Dr. A. Shyam Sunder


Dr. K Srinivas Reddy

Principal

Date: 8/8/23

Balaji Institute of Pharmaceutical Sciences
Laknepally (V), Narsampet (M)
(Dt) - 506 331 (T.S.)



Principal

Vaagdevi College of Pharmacy

Principal

Date: 08/08/2023


Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-50



VAAGDEVI

COLLEGE OF PHARMACY

RAMNAGAR, HANAMKONDA.

VALUE ADDED COURSE
ON

NIOSOMES: REVOLUTIONARY NANOFORMULATIONS IN DRUG DELIVERY SYSTEMS



Principal

Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001

FROM 22-01-2024 TO 27-02-2024

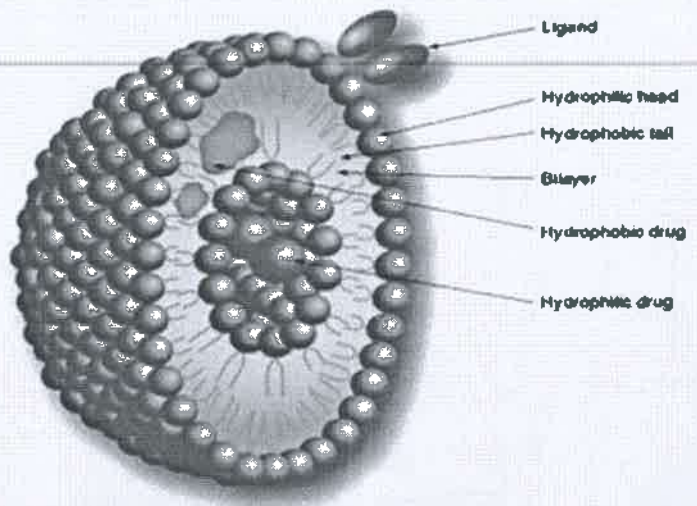
CO-ORDINATOR :

Dr. Y. SHRAVAN KUMAR
PROFESSOR & HOD,
DEPARTMENT OF PHARMACEUTICS
VAAGDEVI COLLEGE OF PHARMACY

RESOURCE PERSONS:

1. MR. T. ASHWIN KUMAR
ASSOCIATE PROFESSOR
DEPT. OF PHARMACEUTICS
JAYAMUKHI COLLEGE OF PHARMACY

2. Dr. S. PAVANI
PROFESSOR
DEPARTMENT OF PHARMACEUTICS
VAAGDEVI COLLEGE OF PHARMACY



NAME OF THE PROGRAMME: VALUE ADDED COURSE ON NIOSOMES:REVOLUTIONARY NANO-FORMULATIONS IN DRUG DELIVERY SYSTEMS

SCHEDULE: FROM 22-01-2024 TO 27-02-2024

STUDENTS: B.PHARM, M.PHARM, PHARM.D.,

ACADEMIC YEAR: 2023 TO 2024

COURSE CODE: VCOP/VH10

TIMINGS: EVERY DAY 4.30-5.30 PM AT LECTURE HALL 04

COURSE OBJECTIVE:

THE OBJECTIVE OF THIS COURSE IS TO PROVIDE STUDENTS WITH A COMPREHENSIVE UNDERSTANDING OF NIOSOMES AS AN ADVANCED DRUG DELIVERY SYSTEM. THE COURSE WILL DEVELOP INTO THE FORMULATION, CHARACTERIZATION, AND APPLICATIONS OF NIOSOMES IN MODERN PHARMACEUTICAL SCIENCE, PARTICULARLY FOCUSING ON THEIR POTENTIAL TO IMPROVE THE BIOAVAILABILITY, STABILITY, AND TARGETED DELIVERY OF DRUGS.

COURSE OUTCOMES:

BY THE END OF THIS COURSE, STUDENTS WILL BE ABLE TO:

- 1. UNDERSTAND THE CONCEPT OF NIOSOMES AND THEIR ROLE IN DRUG DELIVERY SYSTEMS.**
- 2. FORMULATE AND CHARACTERIZE NIOSOMES USING VARIOUS TECHNIQUES.**
- 3. EVALUATE THE FACTORS AFFECTING THE STABILITY AND RELEASE OF DRUGS FROM NIOSOMAL FORMULATIONS.**
- 4. IDENTIFY THE POTENTIAL ADVANTAGES OF NIOSOMES OVER TRADITIONAL DRUG DELIVERY METHODS.**
- 5. ANALYZE THE APPLICATIONS OF NIOSOMES IN TARGETED DRUG DELIVERY, ESPECIALLY FOR POORLY SOLUBLE DRUGS.**
- 6. CRITICALLY ASSESS THE CHALLENGES IN THE DEVELOPMENT AND COMMERCIALIZATION OF NIOSOMAL DRUG DELIVERY SYSTEMS.**
- 7. INVESTIGATE THE LATEST ADVANCEMENTS IN NIOSOME-BASED DRUG DELIVERY FOR VARIOUS THERAPEUTIC AREAS.**



Principal
Vaagdevi College of Pharmacy

COURSE SYLLABUS:

30HRS

MODULE 1: INTRODUCTION TO NANOTECHNOLOGY AND DRUG DELIVERY SYSTEMS (6 HOURS)

- OVERVIEW OF NANOTECHNOLOGY AND ITS IMPACT ON DRUG DELIVERY SYSTEMS
- TYPES OF NANOCARRIERS: LIPOSOMES, NIOSOMES, DENDRIMERS, NANOPARTICLES
- BASIC PRINCIPLES OF DRUG DELIVERY AND TARGETING
- ADVANTAGES AND LIMITATIONS OF NANO-FORMULATIONS

MODULE 2: NIOSOMES - FUNDAMENTALS AND COMPOSITION (6 HOURS)

- DEFINITION AND CLASSIFICATION OF NIOSOMES
- COMPOSITION: SURFACTANTS, CHOLESTEROL, AND OTHER ADDITIVES
- TYPES OF NIOSOMES: MULTILAMELLAR VESICLES (MLVS), UNILAMELLAR VESICLES (ULVS), AND VESICLES WITH DRUG ENCAPSULATION
- MECHANISM OF DRUG ENTRAPMENT AND RELEASE
- TEXTBOOK: "NIOSOMES: NOVEL DRUG DELIVERY SYSTEMS" BY G. A. R. ANSELL

MODULE 3: FORMULATION TECHNIQUES OF NIOSOMES (6 HOURS)

- METHODS OF PREPARATION: THIN-FILM HYDRATION, REVERSE-PHASE EVAPORATION, SOLVENT INJECTION
- FACTORS INFLUENCING THE FORMATION AND STABILITY OF NIOSOMES
- OPTIMIZATION OF FORMULATION PARAMETERS: SURFACTANT SELECTION, CHOLESTEROL RATIO, METHOD OF PREPARATION

MODULE 4: CHARACTERIZATION OF NIOSOMES (6 HOURS)

- PHYSICOCHEMICAL PROPERTIES: SIZE, ZETA POTENTIAL, ENCAPSULATION EFFICIENCY
- MORPHOLOGICAL TECHNIQUES: ELECTRON MICROSCOPY, DYNAMIC LIGHT SCATTERING
- STABILITY STUDIES: PHYSICAL, CHEMICAL, AND IN VITRO RELEASE STUDIES
- TECHNIQUES FOR EVALUATING DRUG RELEASE KINETICS FROM NIOSOMAL FORMULATIONS

MODULE 5: APPLICATIONS OF NIOSOMES IN DRUG DELIVERY (6 HOURS)

- TARGETED DRUG DELIVERY AND CONTROLLED RELEASE SYSTEMS
- NIOSOMES IN ANTICANCER THERAPY, VACCINE DELIVERY, AND GENE DELIVERY
- NIOSOMAL FORMULATIONS FOR THE DELIVERY OF POORLY WATER-SOLUBLE DRUGS
- COMMERCIAL APPLICATIONS AND MARKET TRENDS IN NIOSOME-BASED PRODUCTS

REFERENCES:

1. "NANOMEDICINE AND DRUG DELIVERY" BY D. K. KUMAR
2. "NIOSOMES IN PHARMACEUTICAL SCIENCES" (JOURNAL ARTICLES)
3. "NANOMEDICINE: PRINCIPLES AND APPLICATIONS" BY R. P. K. C. GUPTA
4. "NANOTECHNOLOGY AND DRUG DELIVERY" BY R. V. R. R. K. SRINIVAS
5. "PHARMACEUTICAL APPLICATIONS OF NANOMATERIALS" BY S. K. YADAV



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Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date: 06.01.2024

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Hanamakonda, Warangal-506 001




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VISWAMBHARA EDUCATIONAL SOCIETY

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Ramnagar Dist. Hanamakonda- 506001. (T.S)

Date : 27-02-2024

REPORT

Name of the program: **NIOSOMES: REVOLUTIONARY NANO-FORMULATIONS
IN DRUG DELIVERY SYSTEMS**

Duration: 22-01-2024 to 27-02-2024

Academic year: 2023-2024

Resource person details:

Mr. T. Ashwin kumar,

Associate Professor,

Dept. of Pharmaceutics,

Jayamukhi College of Pharmacy

Dr. S. Pavani,

Professor,

Department of Pharmaceutics,

Vaagdevi College of Pharmacy

Vaagdevi College of Pharmacy, Ramnagar, Hanamakonda organized a value added program on **NIOSOMES: REVOLUTIONARY NANO-FORMULATIONS IN DRUG DELIVERY SYSTEMS** for B.Pharmacy, Pharm.D., and M.Pharmacy students by Mr. T. Ashwin kumar, Associate Professor, Dept. of Pharmaceutics, Jayamukhi College of Pharmacy and Dr. S. Pavani, Professor, Department of Pharmaceutics, Vaagdevi College of Pharmacy from 22-01-2024 to 27-02-2024. This program was designed to educate the students about Understand the concept of niosomes and their role in drug delivery systems. Totally 46 students participated in this program. Upon completion of the course issued the certificates to the students.

Coordinator

Dr. Y. Shravan Kumar,

Professor,

HoD, Department of Pharmaceutics



Principal

Principal

Vaagdevi College of Pharmacy

Hanamakonda, Warangal-506001

Principal

Vaagdevi College of Pharmacy

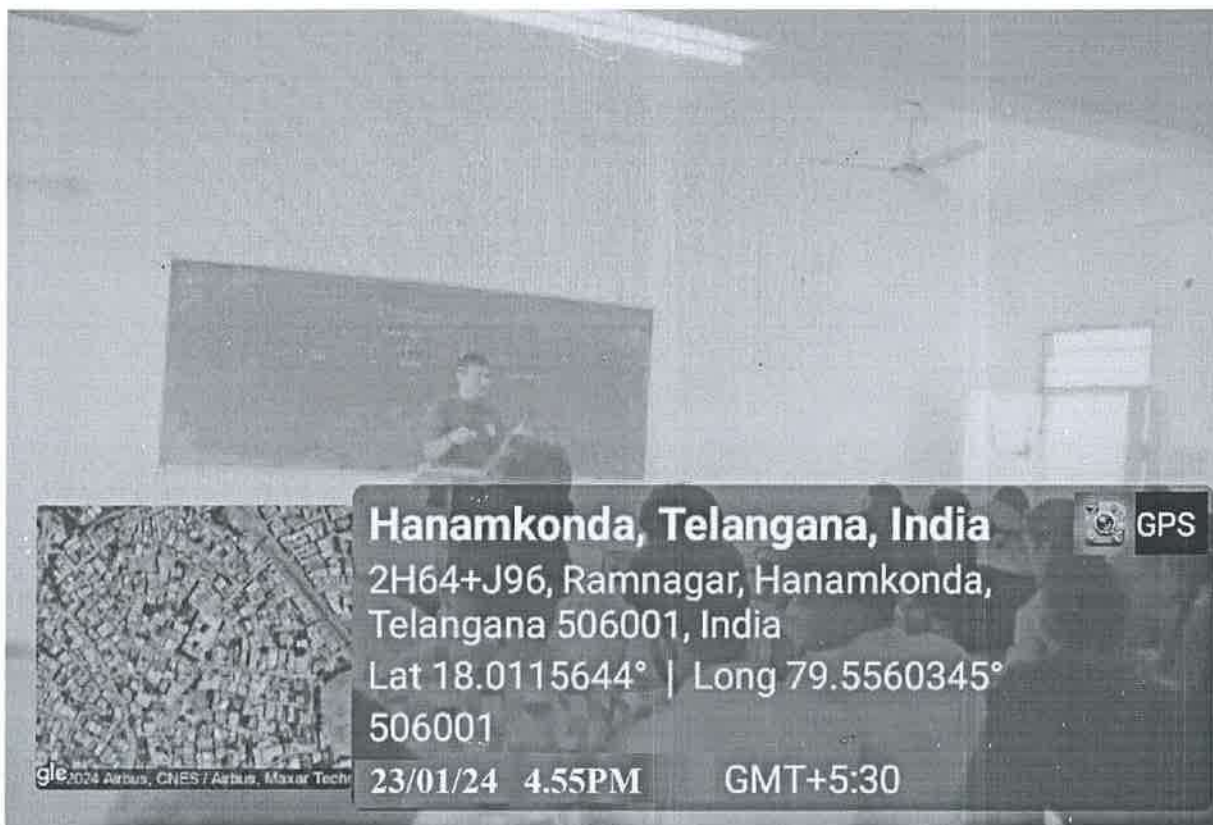
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Class on Niosomes: Revolutionary Nano-formulations in Drug Delivery Systems by
Mr. T. Ashwin Kumar



Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



JAYAMUKHI COLLEGE OF PHARMACY

(Approved by AICTE & PCI, New Delhi & affiliated to Kakatiya University, Warangal, T.S.)

NARSAMPET, Dist. Warangal - 506 332, (T.S.) ☎ : 08718 - 222503, 222568

MEMORANDUM OF UNDERSTANDING (MOU)

Between

VAAGDEVI COLLEGE OF PHARMACY,

RAMNAGAR, HANAMKONDA

And

JAYAMUKHI COLLEGE OF PHARMACY,

NARSAMPET

VAAGDEVI COLLEGE OF PHARMACY, RAMNAGAR, HANAMKONDA, and JAYAMUKHI COLLEGE OF PHARMACY, NARSAMPET has reached agreement on the following areas of cooperation and subject to mutual consent.

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3. Student exchange for internships and placements

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No amendment, consent, or waiver of terms of this Letter of Collaboration shall bind either party unless in writing and signed by all parties. Any such amendment, consent, or waiver shall be effective only in the specific instance and for the specified purpose given.

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For VAAGDEVI COLLEGE OF PHARMACY,

RAMNAGAR, HANAMKONDA

Dr. Ch. Srinivas Reddy

Principal

Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001



For JAYAMUKHI COLLEGE OF PHARMACY,

LAKNEPALLY, NARSAMPET

Dr. S.Vasudeva Murthy

Principal

Date:



Principal
Vaagdevi College of Pharmacy
Hanamkonda, Warangal-506 001