



# **BLDEA's SSM College of Pharmacy and Research Centre Vijayapur**

**Department of Pharmacognosy**

**Organizes**

**Value Added Course**

**Production Technologies For High  
Economic Crops**

*Date*

**29-08-2025 to 04-09-2025**

**VENUE**

**IQAC HALL**

**Principal**

**Dr.C Mallikarjun Setty**

**Chief Coordinator**

**Dr.Gaviraj. E. N**

**Coordinators**

**Dr. B.S.Hunasagi**

**Dr. C.V. Nagathan**

**Mr. Shivaraj S Kapase**



**BLDEA's SSM College of Pharmacy and  
Research Centre, Vijayapur – 586103**

**VALUE ADDED COURSE**  
**on**  
**Production Technologies for High Economic Crops**

**Date**

**28/8/2025 to 4/9/2025**

**Venue**

**IQAC Hall, Ground floor**

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**Dept. of Pharmacognosy,  
BLDEA's SSM College of Pharmacy and  
Research Centre, Vijayapur -586103**

# **Value Added Course on**

## **Production Technologies for High Economic Crops**

### **Preamble**

The Department of Pharmacognosy, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur, is committed to imparting knowledge that bridges traditional wisdom with modern scientific advancements. In line with this vision, a Value-Added Course on **“Production Technologies for High Economic Crops”** has been designed to provide students with a comprehensive understanding of advanced cultivation practices, sustainable production methods, and processing technologies of commercially important medicinal and economic crops.

This course aims to enhance the practical competencies of students in identifying, cultivating, and managing high-value crops with significant medicinal, industrial, and economic relevance. By integrating scientific knowledge with field-level applications, the program prepares learners to contribute to phytopharmaceutical industries, herbal drug development, and agribusiness sectors.

Through expert lectures, interactive sessions, and field visits, participants will gain insights into good agricultural and collection practices (GACP), modern tools for crop improvement, and strategies for ensuring quality, yield, and marketability of economically important plants. This initiative also aligns with the institution's broader mission of nurturing entrepreneurship, innovation, and self-reliance among pharmacy graduates.

### **Program Objectives**

After completing the Value-Added Course on Production Technologies for High Economic Crops, the students will be able to:

1. Understand the principles and practices involved in the cultivation and production of high economic and medicinally important crops.
2. Explain good agricultural and collection practices (GACP), sustainable farming techniques, and modern technologies applied in crop improvement.
3. Demonstrate practical skills in identifying, cultivating, and managing commercially valuable crops under varied agro-climatic conditions.
4. Analyze post-harvest processing methods, quality control measures, and value addition techniques to enhance crop utility.
5. Apply scientific knowledge for the development of herbal raw materials used in pharmaceuticals, nutraceuticals, and allied industries.
6. Evaluate economic potential, market trends, and commercialization strategies for high-value crops.
7. Develop entrepreneurial insights and innovative approaches for agribusiness and herbal drug industries.

### **Duration of the Course**

The duration of the course will be for 30 hours.

### **Eligibility for Admission**

VI Sem B. Pharm. students of BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur are eligible for the admission to the value added course on Production Technologies for High Economic Crops.

### **Medium of Instruction, evaluation and distribution of certificate**

1. Medium of Instruction for the value added course is in English
2. The evaluation of course will be on the basis of attendance, behavior & discipline, and knowledge obtained from the value added course.
3. Certificate will be issued from the BLDEA's SSM COP and RC, Vijayapur.

## SYLLABUS

Sl. No.	Topics
1	Introduction to medicinal plants
2	Cultivation of medicinal plants
3	Types of cultivation methods
4	Soil and soil fertility
5	Factors affecting cultivation, rain fall, irrigation, pH altitude, manures, etc.
6	Pest and pest management
7	Collection practice Processing and storage
8	Production technology, medicinal value and health benefits of <ul style="list-style-type: none"><li>• Amla</li><li>• Aloe Vera</li><li>• Ajawain</li><li>• Curry</li><li>• Ginger</li><li>• Garlic</li><li>• Guava</li><li>• Jamun</li><li>• Papaya</li><li>• Turmeric</li></ul>

### Course Chief Coordinator:

- **Dr. Gaviraj.E.N**, Prof. and Head, Dept. of Pharmacognosy, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur.

### Course Coordinators:

- **Dr. C.V. Nagathan**, Assoc. Prof, Dept. of Pharmacognosy, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur.
- **Dr. B.S. Hunasagi**, Assoc. Prof, Dept. of Pharmacognosy, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur.
- **Mr. Shivaraj. S. Kapse**, Asst. Prof, Dept. of Pharmacognosy, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur.

### **Resource Persons**

1. Dr. M.B. Patil, Chief Scientist, AICRP for Dryland Agriculture, RARS, Vijayapur.
2. Dr. Ashvathama V.H, Sr. Scientist (Physiology), AICRP on Sorghum, RARS, Vijayapur.
3. Dr. M.A. Gaddinakere, Technical Officer, Plant Pathology, AICRP for Dryland Agriculture, RARS, Vijayapur.
4. Dr. C.V. Nagathan, Assoc. Prof, Dept. of Pharmacognosy, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur.
5. Dr. B.S. Hunasagi, Assoc. Prof, Dept. of Pharmacognosy, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur.
6. Dr. Gaviraj. E. N, Prof. and Head, Dept. of Pharmacognosy, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur.



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### Report

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Event Name	: Value added course on “ <b>Production Technologies for High Economic Crops</b> ”
Event Date	: <b>29/8/2025 to 4/9/2025 (30 h)</b>
Chief coordinator	: <b>Dr. Gaviraj.E.N</b>
Coordinators	: <b>Dr. C.V. Nagathan</b>
Address	: BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur, Karnataka.
Resource Persons	: <ol style="list-style-type: none"><li>1. Dr. M.B. Patil, Chief Scientist, AICRP for Dryland Agriculture, RARS, Vijayapur.</li><li>2. Dr. Ashvathama V.H, Sr. Scientist (Physiology), AICRP on Sorghum, RARS, Vijayapur.</li><li>3. Dr. M.A. Gaddinakere, Technical Officer, Plant Pathology, AICRP for Dryland Agriculture, RARS, Vijayapur.</li><li>4. Dr. C.V. Nagathan, Assoc. Prof, Dept. of Pharmacognosy, BLDEA’s SSM College of Pharmacy and Research Centre, Vijayapur.</li><li>5. Dr. B.S. Hunasagi, Assoc. Prof, Dept. of Pharmacognosy, BLDEA’s SSM College of Pharmacy and Research Centre, Vijayapur.</li></ol>

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The Department of Pharmacognosy, BLDEA’s SSM College of Pharmacy and Research Centre, Vijayapur, organized a Value-Added Course (VAC) on “*Production Technologies for High Economic Crops*” for VI Semester B. Pharm. students from 29th August 2025 to 4th September 2025 (30 hours) in the IQAC Hall.

#### **Day 1 (29.08.2025):**

The Chief Coordinator of the VAC, Dr. Gaviraj E. N., welcomed the Chief Guest, Dr. M. B. Patil, Chief Scientist, AICRP for Dryland Agriculture, RARS, Vijayapur, along with Dr. C. M. Setty, Principal, faculty members, and students. He also briefed the gathering about the objectives of the course. The Chief Guest formally inaugurated the program by watering a potted plant. Dr. C. M. Setty, President of the function, highlighted the importance of learning agricultural techniques for improving crop production. The technical session was conducted by Dr. M. B. Patil, who elaborated



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on the finer aspects of modern cultivation practices, use of equipment, and scientific facilities essential for the commercial production of high economic crops.



### Day 2 (30.08.2025):

Dr. Ashvathama V.H., Senior Scientist (Physiology), AICRP on Sorghum, RARS, delivered a lecture as part of the Value Added Course on day 2. The session focused on crop physiology and scientific methodologies to enhance productivity across varied agro-climatic conditions, enriching students' knowledge with advanced concepts in sustainable agricultural practices. He explained the physiological mechanisms influencing crop growth, water-use efficiency, and stress tolerance. Dr. Ashvathama also discussed practical strategies to bridge the gap between laboratory research and field-level applications for achieving higher yields.



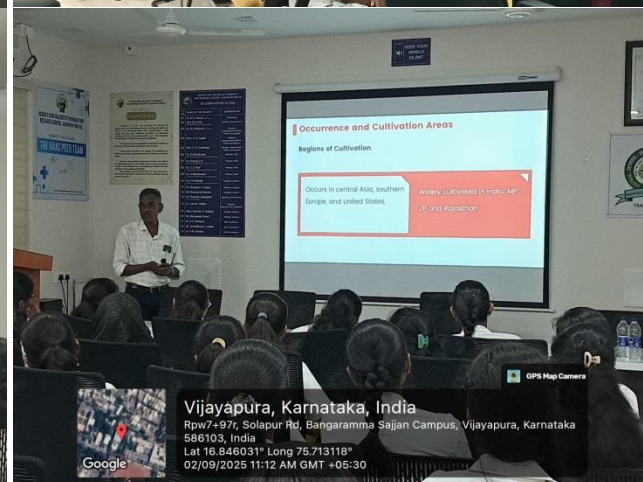
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### Day 3 (2.9.2025):

On 2nd September 2025, expert sessions were conducted by Dr. C.V. Nagathan and Dr. B.S. Hunasagi. They provided detailed insights into advanced cultivation practices of commercially important crops including garlic, amla, aloe vera, ginger, and guava. Their lectures emphasized scientific approaches for improving yield, quality, and market potential, offering students practical knowledge in sustainable crop production. Special focus was given to package of practices, post-harvest handling, and value-addition opportunities that enhance profitability in the commercial cultivation of these crops.

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### Day 4 (3.9.2025):

On 3rd September 2025, the students visited the College of Agriculture campus as part of the Value Added Course. The visit was guided by Dr. M.A. Gaddinakere, Technical Officer, Plant Pathology, AICRP for Dryland Agriculture, RARS, Vijayapur. Dr. Gaddinakere provided detailed insights into the different components of the Integrated Farming System. Students were introduced to practical models combining crop cultivation, horticulture, animal husbandry, and allied enterprises aimed at enhancing farm sustainability and income. The visit also emphasized soil analysis techniques and the monitoring of key cultivation parameters such as soil fertility, crop growth, and water management. Students observed ongoing research activities on resource optimization and sustainable farming. The field exposure enriched their understanding by linking theoretical concepts with practical, research-based agricultural practices.

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### Day 5 (4.9.2025):

On 4th September 2025, an expert session was delivered by Dr. C.V. Nagathan, who discussed production technologies for commercially important crops such as jamun, papaya, and turmeric. He highlighted improved agronomic practices, crop management strategies, and the commercial potential of these crops, providing students with valuable insights into enhancing productivity and profitability.

The valedictory function was graced by Dr. C.M. Setty, Principal, and Dr. R.B. Kotnal, Director of Research. Dr. Gaviraj E.N., Chief Coordinator of the course, presented the report of the Value Added Course (VAC), summarizing the sessions, field visit, and learning outcomes. Certificates were distributed to participants by the dignitaries, appreciating their active involvement.

In his address, Dr. R.B. Kotnal emphasized the vast entrepreneurship opportunities in the cultivation of aromatic and medicinal plants, encouraging students to explore innovative agribusiness ventures. The event concluded with a vote of thanks delivered by Mr. Shivraj S. Kapse, Assistant Professor, while Ms. Shraddha J. PG Research Scholar anchored the program efficiently. The valedictory marked the successful completion of the VAC, leaving students enriched with practical knowledge and motivated towards sustainable agricultural entrepreneurship.

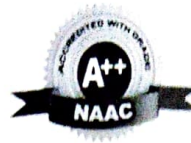


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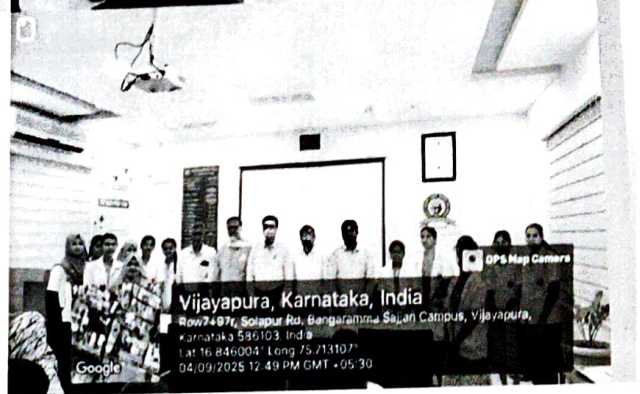
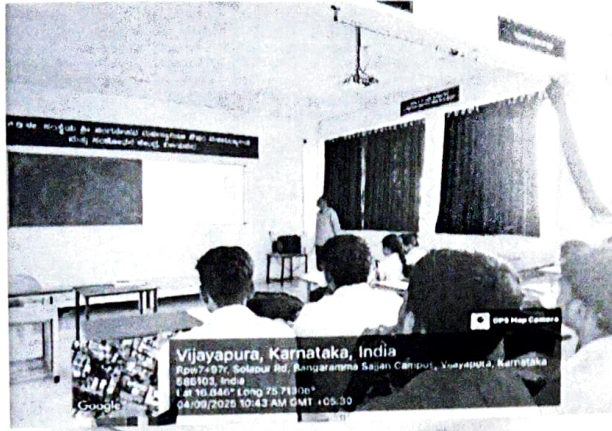


Chief coordinator

Principal



## BLDEA's SSM College of Pharmacy and Research Centre Vijayapur, Karnataka



*[Signature]*

Chief coordinator

*[Signature]*  
Principal

**Principal,**  
**BLDEA's, S.S.M. College of**  
**Pharmacy & Research Centre**  
**VIJAYAPUR-586103**