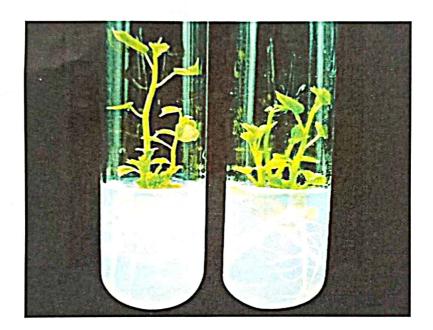


B. L. D. E. ASSOCIATION'S S. B. ARTS AND K. C. P. SCIENCE COLLEGE



BLDEA'S New Campus, Shri B. M. Patil Road (Solapur Road), Vijayapur-586103 (Affiliated to Rani Channamma University, Belagavi)

DEPARTMENT OF BOTANY



VALUE ADDED COURSE IN BOTANY

PLANT TISSUE CULTURE TECHNIQUES (Sub Code: 23UGVABOT02)

 $B.SC\ 2^{nd}\ SEMESTER$ (FOR THE ACADEMIC YEAR 2023-24)

BLDE Association's

S.B. ARTS AND K.C.P. SCIENCE COLLEGE, VIJAYAPUR.

DEPARTMENT OF BOTANY

VALUE ADDED COURSE

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S. B. ARTS AND K. C. P. SCIENCE COLLEGE



BLDEA'S New Campus, Shri B. M. Patil Road (Solapur Road), Vijayapur-586103 (Affiliated to Rani Channamma University, Belagavi)

Department of Botany

Date: 17/11/2023

To

The Principal

S. B. ARTS AND K. C. P. SCIENCE COLLEGE

Subject: Permission for conducting value added course in Botany Department for B.Sc IInd Semester students, during the year 2023-24.

Respected madam

With respect to the above subject, we are planning to conduct value added course entitled "Tissue Culture Techniques" for BSc Botany IInd Sem students. The course will be benefiting the students to bridge curriculum gap between first year learning and higher semesters prerequisite by training them on Tissue Culture Techniques experiments. Herewith, we kindly request you to grant permission for conducting the VAC Course.

Objective: To provide additional learners-centric graded skill oriented technical training with primary objectives of improving the employability skill.

Out Come: At the end of the course the student will be able to understand and conservation of plant species with the help of biotechnical tools.

Name of the Department: Botany

Title of the Course

: Tissue Culture Techniques

Course code

: 23UGVABOT02

Semester

: II Sem

Duration of the Course

: 30 Hours

Course Coordinator

: Dr. Ramachandra Naik. M

Type of Assessment

: Theory 30 marks and Practical 20 marks (Total 50 marks)

Thanking you.

Department of Botany SB Arts & KCP Science College VIJAYAPUR-586103

S.B.Arts & K.C.P. Science College,

VIJAYAPUR.

SKILL BASED VALUE ADDED COURSE IN BOTANY

PLANT TISSUE CULTURE TECHNIQUES

(Sub Code: 23UGVABOT02)

Course structure for II B.Sc. NEP Students

- 1. Objective and scope
- 2. Syllabus
- 3. Duration of the course
- 4. Evaluation and certificate
- 5. Time table

1. Objective and scope:

Although the B.Sc. (NEP) Botany will mold and equip students for the present educational scenario, the department of Botany is introducing this skill based value added course in "PLANT TISSUE CULTURE TECHNIQUES" to encourage and support the growing demands and challenging trends in the biotechnical education. Our training focuses on the all-round development of the student's to face the competitive World.

The objectives and scope of the program:

- 1. Understand the scope and significance of the discipline.
- 2. Clear, comprehensive and advanced mastery in the field of Botany.
- 3. Understand the advanced areas of biological sciences with special reference to Botany and its applied branches.
- 4. Skill in practical work, experiments, use of biological tool and techniques.
- 5. Awareness to explore the intricacies of life forms at the cellular, molecular and nano level and inspire to disseminate the concept of biodiversity conservation.
- 6. Motivation and enthusiasm to appreciate the beauty of different life forms.
- 7. Problem-solving skills in students to carry out innovative research projects thereby enkindling in them the spirit of knowledge creation.
- 8. Proficiency in the use of recent and advanced biological technologies.

Department of Botany SB Arts & KCP Science College VUAYAPUR-586103 IQAC, Co-ordinator S.B.Arts & K.C.P.Science College, Vijayapur.

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S. B. ARTS AND K. C. P. SCIENCE COLLEGE



BLDEA'S New Campus, Shri B. M. Patil Road (Solapur Road), Vijayapur-586103 (Affiliated to Rani Channamma University, Belagavi)

SKILL BASED VALUE ADDED COURSE IN BOTANY

SYLLABUS

PLANT TISSUE CULTURE TECHNIQUES

(Sub Code: 23UGVABOT02)

Teaching: 18 hrs, weakly 5 hrs

Theory

Unit-I (Introduction to Plant Tissue culture) Introduction to Plant Tissue culture, Terms and definitions, Historical background, Laboratory organization, Tools and techniques, methods of sterilization. Laboratory contaminants- it's control and measures. - 4 Hrs

Unit-II (Media and Culture Preparation) Role of Micro and macro nutrients, Vitamins and carbon source in tissue culture, Media preparation- pH, Temperature, Solidifying agents, Slant Preparations etc. Maintenance of cultures, Environmental Conditions, explants characteristics. -5 Hrs

Unit-III (Culture techniques) Explants selection, sterilization and inoculation; Various media preparations; MS, B5,; Callus and cell suspension culture.

Unit-IV (Initiation of Cultures) Induction and growth parameters, Culture initiation, Callus culture, Micropropagation through various explants (Leaf, Stem).

Books for Reference:

- 1. Pullaiah. T. and M.V.Subba Rao. 2009. Plant Tissue culture. Scientific Publishers, New
- 2. Bhojwani, S.S. and Razdan, M.K., (1996). Plant Tissue Culture: Theory and Practice. Elsevier Science Amsterdam. The Netherlands.
- 3. Glick, B.R., Pasternak, J.J. (2003). Molecular Biotechnology- Principles and Applications Of recombinant DNA. ASM Press, Washington.
- 4. Bhojwani, S.S. and Bhatnagar, S.P. (2011). The Embryology of Angiosperms. VikasPublicationHouse Pvt. Ltd., New Delhi. 5th edition.
- 5. Snustad, D.P. and Simmons, M.J. (2010). Principles of Genetics. John Wiley and Sons, U.K. 5th edition.
- 6. Stewart, C.N. Jr. (2008). Plant Biotechnology & Genetics: Principles, Techniques and Applications. John Wiley & Sons Inc. U.S.A.

Department of Botany SB Arts & KCP Science College VUAYAPUR-586103

Vijayapur.

K.C.P. Science College, S.B. Arts & K.C.P. Science College.

PLANT TISSUE CULTURE TECHNIQUES (Sub Code: 23UGVABOT02)

Practical syllabus

Total Practical: 4x3 = 12 hrs,

3 hrs/practical

Lab. No.	Aim of the Experiment	Experiments
1	Requirements for Plant Tissue Culture Laboratory	Minor
2	Techniques in Plant Tissue Culture	Minor
3	Media components and preparations	Major
4	Sterilization techniques and Inoculation of various explants	Minor
5	Aseptic manipulation of various explants	Major
6	Callus induction and Plant Regeneration	Minor
7	Micro propagation of important crops and hardening / acclimatization of regenerated plants	Major
8	Anther, Embryo and Endosperm culture	Minor
9	Somatic embryogenesis and synthetic seed production	Minor
10	Isolation of protoplast	Minor

Minor experiments- For Demonstration, Major experiments - For hands on training

Department of Botany SB Arts & KCP Science College VUAYAPUR-586103

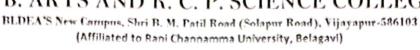
IQAC, Co-ordinator Vijayapur.

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VIJAYAPUR.



S. B. ARTS AND K. C. P. SCIENCE COLLEGE





DEPARTMENT OF BOTANY

Date: 22/05/2024

VALUE ADDED COURSE NOTICE

Department of Botany is conducting "Value Added Course (18 hours theory and 12 hours Practical duration) on Plant tissue culture techniques "for B.Sc Students during the year of 2023-24. Interested Students give their names to Head of the Department on before 26/05/2024.

Certificate will be issued to students after completing the value added course from the college.

Department of

: Botany

Last date of registration: 26/05/2024

Course Coordinator

: Dr. Ramachandra Naik. M

Mail. Id

: rcnaik1@gmail.com

Mobile number

: 9620720591

SB Arts & KCP Science College VUAYAPUR-586103

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DEPARTMENT OF BOTANY

VALUE ADDED COURSE

SKILL BASED VALUE ADDED COUSE IN BOTANY

PLANT TISSUE CULTURE TECHNIQUES

(Sub Code: 23UGVABOT02)

List of Faculty 2023-24

Sl. No	Name of the Faculty	Faculty sign
1	Dr. Ramachandra Naik.M	Homa.
2	Mr. Krishna Mandla	Herri
3	Miss. Anita Desai	Ales

Department of Botany SB Arts & KCP Science College VIJAYAPUR-586103

IQAC, Co-o: dinator

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BLDEA'S New Campus, Shri B. M. Patil Road (Solapur Road), Vijayapur-586103 (Affiliated to Rani Channamma University, Belagavi)

DEPARTMENT OF BOTANY

PLANT TISSUE CULTURE TECHNIQUES

Students Admission List 2023-24 B.Sc II Semester Students

Sl.No	Name of the Students	UUCMS
1	ANJANA VEERANNA MURKHANDE	U15KM23S0012
2	ZIYA KHATOON	U15KM23S0013
3	MEENAKSHI IRASANGAYYA MATHPATI	U15KM23S0023
4	HARANI SURESH NAIKAR	U15KM23S0024
5	RAGINI DASAGOND	U15KM23S0026
6	SHEELAVANTI ALOOR	U15KM23S0027
7	NARESH PAWAR	U15KM23S0029
8	GURANAGOUDA PARAGOUDA BIIRADAR	U15KM23S0052
9	VIJAYALAXMI BASAVARAJ GUNNAPUR	U15KM23S0141
10	MADIHA MAKANDAR	U15KM23S0143
11	SANKET SOMAPUR	U15KM23S0148
12	SANIA SHAIKH	U15KM23S0152
13	SACHIN BIRADAR	U15KM23S0173
14	SHIVANAND GANGAPPA NAYAK	U15KM23S0179
15	SHABEENA REHAMANSAB CHAPPARBAND	U15KM23S0183
16	MISBA PATIL	U15KM23S0196
17	BHUMIKA CHOURAD	U15KM23S0198
18	PREETI A KOLUR	U15KM23S0199
19	SAHANA SHIVANAND VADDAR	U15KM23S0200
20	SHILPA YANKANNA KURI	U15KM23S0202
21	BASAYYA REVANAYYA CHIKKAPATTA	U15KM23S0218
22	SAVITA KALLAPPA ADIHUDI	U15KM23S0219
23	M RAKSHITA	U15KM23S0220
24	SHREYA KATTI	U15KM23S0232
25	PRUTHVIRAJ KALLUR	U15KM23S0233
26	PATIL PRATIK MALAKARASIDDHA	U15KM23S0237
27	SAYIL SANTOSH CHAVAN	U15KM23S0239
28	SANTOSH SHIVASHANKAR NAVI	U15KM23S0254
29	KEERTI KALAGI	U15KM23S0263
30	ROHIT KALLAPPA DESAI	U15KM23S0266

Department of Botany SB Arts & KCP Science College VIJAYAPUR-586103 IQAC, Co-o: dinator S.B.Arts & K.C.P.Science College, Vijayapur.

S.B.Arts & K.C.P. Science College, VIJAYAPUR.

S.B. ARTS AND K.C.P. SCIENCE COLLEGE, VIJAYAPUR.

DEPARTMENT OF BOTANY

VALUE ADDED COURSE

TIME TABLE FOR THE YEAR 2023-24

Theory Classes Starts from: 01/06/2024

Practical Starts from: 05/06/2024

Course Tenure: 1 Months

TIME	V.A.C	Practical	THEORY
DAYS	-		8.20 am -9.20 am
Monday			LH No. 4 –RCN
Tuesday			LH No. 4 – KM
Wednesday		7:20AM to 10:20 AM, Lab 2, time- 3.0 Hr	
Thursday			LH No. 4 –KM
Friday			LH No. 4 –AD
Saturday			LH No. 4 –RCN

Faculty: Dr. Ramachandra Naik.M - RCN, Mr. Krishna Mandla - KM, Miss. Anita Desai - AD.

Department of Botany SB Arts & KCP Science College VIJAYAPUR-586103

IQAC, Co-ordinator

S.B.Arts & K.C.P. Science College, S.B.Arts & K.C.P. Science College, Vijayapur.

VIJAYAPUR.

S.B. ARTS AND K.C.P. SCIENCE COLLEGE, VIJAYAPUR. DEPARTMENT OF BOTANY

VALUE ADDED COURSE -18 Hours theory Attendance, 01/06/2024 to 30/6/2024

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	ယ	2	_	Sl.No
	SHILPA Y. KURI	SAHANA S.VADDAR	PREETI A KOLUR	BHUMIKA CHOURAD	MISBA PATIL	SHABEENA R.CHAPPARBAND	SHIVANAND G. NAYAK	SACHIN BIRADAR	SANIA SHAIKH	SANKET SOMAPUR	MADIHA MAKANDAR	VIJAYALAXMI B.GUNNAPUR	GURANAGOUDA P. BIIRADAR	NARESH PAWAR	SHEELAV. ALOOR	RAGINI DASAGOND	HARANI S. NAIKAR	MEENAKSHI I.MATHPATI	ZIYA KHATOON	ANJANA V.MURKHANDE	Name of the Students
	U15KM23S0202	U15KM23S0200	U15KM23S0199	U15KM23S0198	U15KM23S0196	U15KM23S0183	U15KM23S0179	U15KM23S0173	U15KM23S0152	U15KM23S0148	U15KM23S0143	U15KM23S0141	U15KM23S0052	U15KM23S0029	U15KM23S0027	U15KM23S0026	U15KM23S0024	U15KM23S0023	U15KM23S0013	U15KM23S0012	UUCMS
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SB Arts & KCP Science College Department of Botany HEAD

VHAYAPUR-586103

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SANTOSH S. NAVI

SAYIL S.CHAVAN

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PATIL PRATIK

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BASAYYA R.

CHIKKAPATTA

S.B.Arts & K.C.P.Science College, Vijayapur.

IQAC, Co-ordinator

S.B.Arts & K.C.P. Science College, VIJAYAPUR. Tany

BLDEAssociation's

S.B. ARTS AND K.C.P. SCIENCE COLLEGE, VIJAYAPUR. DEPARTMENT OF BOTANY

VALUE ADDED COURSE - 12 Hr Practical's (5/6/2024 to 30/6/2024) Practical's Attendance Sheet, 4 Practical's, each practical 3 hours

Sl.No	Name of the Students	UUCMS	5/6	12/6	19/6	26/6
1	ANJANA				-	
	V.MURKHANDE	U15KM23S0012		2	3	3
2	ZIYA KHATOON	U15KM23S0013	1	2	3	4
3	MEENAKSHI					
	I.MATHPATI	U15KM23S0023	1	2	3	4
4	HARANI S. NAIKAR	U15KM23S0024	1	2	3	4
5	RAGINI DASAGOND	U15KM23S0026	1	2	3	4
6	SHEELAV. ALOOR	U15KM23S0027	1	1	2	3
7	NARESH PAWAR	U15KM23S0029		2	3	4
8	GURANAGOUDA P.	11151/1 (0000000	,			
	BIIRADAR	U15KM23S0052	D	1	2	3
9	VIJAYALAXMI	LUSUNADOCOLAL			_	2
	B.GUNNAPUR	U15KM23S0141	0	(2	3
10	MADIHA MAKANDAR	U15KM23S0143	1	2	3	4
11	SANKET SOMAPUR	U15KM23S0148	1	2	3	4
12	SANIA SHAIKH	U15KM23S0152	1	2	3	4
13	SACHIN BIRADAR	U15KM23S0173	1	1	2	3
14	SHIVANAND G. NAYAK	U15KM23S0179	ì	2	3	3
15	SHABEENA	U15KM23S0183				
	R.CHAPPARBAND	013KW123S0163	1	2	2	3
16	MISBA PATIL	U15KM23S0196	1	2	3	4
17	BHUMIKA CHOURAD	U15KM23S0198	1	2	3	Y
18	PREETI A KOLUR	U15KM23S0199	(2	3	4
19	SAHANA S.VADDAR	U15KM23S0200	1	2	3	4
20	SHILPA Y. KURI	U15KM23S0202	0	1	2	3
21	BASAYYA R.	U15KM23S0218	·	,	0	
	CHIKKAPATTA		(2	3	4
22	SAVITA K. ADIHUDI	U15KM23S0219	1	2	3	4
23	M RAKSHITA	U15KM23S0220	(2	3	M
24	SHREYA KATTI	U15KM23S0232	1	2	2	3
25	PRUTHVIRAJ KALLUR	U15KM23S0233	1	2	3	4
26	PATIL	U15KM23S0237				
	P.MALAKARASIDDHA		1	2	3	4
27	SAYIL S.CHAVAN	U15KM23S0239	(2	3	4
28	SANTOSH S. NAVI	U15KM23S0254	1	2	2	3
29	KEERTI KALAGI	U15KM23S0263	1	2	3	ч
30	ROHIT K. DESAI	U15KM23S0266	1	2	3	4

HEAD Department of Botany SB Arts & KCP Science College VUAYAPUR-586103

S.B.Arts & K.C.P.Science College, Vijayapur.

Principal, S.B.Arts & K.C.P. Science College. VIJAYAPUR.



S. B. ARTS AND K. C. P. SCIENCE COLLEGE



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Date: 05/07/2024

NOTICE

The value added course theory and practical Examinations will be conducted On the below dates. All the students attend both the Exams without fail.

	Date	Time
Theory	10/07/2024	9 am to 10.00 am
Practical	11/07/2024	8 am to 10.00 am

Department of Botany
SB Arts & KCP Science College
VIJAYAPUR-586103

S.B.Arts & K.C.P. Science College, VIJAYAPUR.

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DEPARTMENT OF BOTANY

Skill Based Value Added Course Examination (theory)
PLANT TISSUE CULTURE TECHNIQUES.
(Sub Code: 23UGVABOT02)

Date: 10-07-2024 Max.Marks:30 Time: 9 am- 10 am Duration: 1 Hour

Q.NO.I. Answer any FIVE of the following.

(5X2=10)

1. Surface sterilization

2. Hot Air oven

3. Micropropagation

4. Callus

5. M S Media

6.Inoculation chamber

Q.NO.II. Answer any Three of the following.

(3X4=12)

- 7. Explain the various parts of explants selection
- 8. What are the uses of Plant tissue culture in Agriculture?
- 9. Explain the direct shoot organogenesis.
- 10. Explain the inoculation methods.
- 11. Give an Account on Preparation of MS media.

Q.NO.III. Answer any One of the following.

(1X8=08)

- 12. What is callus? Explain the callus initiation steps
- 13. What is totipotency? Explain the protoplast culture.
- 14. Explain the role of macro and micronutrients in plant tissue culture

Department of Botany
SB Arts & KCP Science College
VUAYAPUR-586103

S,B.Arts & K.C.P.Science College,

S.B.Arts & K.C.P. Science College, VIJAYAPUR.



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PLANT TISSUE CULTURE TECHNIQUES

Skill Based Value Added Course Examination B.Sc II Semester, Theory Exam student signature list 2023-24 Date:10/07/2024

SL.NO	NAME OF THE STUDENTS	UUCMS NO.	STUDENTS SIGN
1	ANJANA VEERANNA MURKHANDE	U15KM23S0012	Abrel
2	ZIYA KHATOON	U15KM23S0013	De R
3	MEENAKSHI IRASANGAYYA MATHPATI	U15KM23S0023	Jul D
4	HARANI SURESH NAIKAR	U15KM23S0024	LAN
5	RAGINI DASAGOND	U15KM23S0026	lecelat
6	SHEELAVANTI ALOOR	U15KM23S0027	Soller
7	NARESH PAWAR	U15KM23S0029	NAS.
8	GURANAGOUDA P. BIIRADAR	U15KM23S0052	GO
9	VIJAYALAXMI BASAVARAJ GUNNAPUR	U15KM23S0141	69
10	MADIHA MAKANDAR	U15KM23S0143	Mode
11	SANKET SOMAPUR	U15KM23S0148	Rob
12	SANIA SHAIKH	U15KM23S0152	Shoth
13	SACHIN BIRADAR	U15KM23S0173	Dalor
14	SHIVANAND GANGAPPA NAYAK	U15KM23S0179	Showned
15	SHABEENA REHAMANSAB	U15KM23S0183	(a)
15	CHAPPARBAND	U13KW123SU183	
16	MISBA PATIL	U15KM23S0196	Depuebol
17	BHUMIKA CHOURAD	U15KM23S0198	9
18	PREETI A KOLUR	U15KM23S0199	Flane.
19	SAHANA SHIVANAND VADDAR	U15KM23S0200	Bull
20	SHILPA YANKANNA KURI	U15KM23S0202	8.4 kuni
21	BASAYYA REVANAYYA CHIKKAPATTA	U15KM23S0218	B.A. Sayya
22	SAVITA KALLAPPA ADIHUDI	U15KM23S0219	Call
23	M RAKSHITA	U15KM23S0220	Pourlate
24	SHREYA KATTI	U15KM23S0232	3.5 Katli
25	PRUTHVIRAJ KALLUR	U15KM23S0233	7s Kollar
26	PATIL PRATIK MALAKARASIDDHA	U15KM23S0237	Prov Pelal
27	SAYIL SANTOSH CHAVAN	U15KM23S0239	Doen
28	SANTOSH SHIVASHANKAR NAVI	U15KM23S0254	
29	KEERTI KALAGI	U15KM23S0263	Rosti
	ROHIT KALLAPPA DESAI	U15KM23S0266	Piel

Department of Botany SB Arts & KCP Science College VIJAYAPUR-586103

S.B.Arts & K.C.P. Science College, Vilavaria VIJAYAPUR.

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S.B. ARTS AND K.C.P. SCIENCE COLLEGE, VIJAYAPUR. DEPARTMENT OF BOTANY

Skill Based Value Added Course Examination (Practical) 2023-24
PLANT TISSUE CULTURE TECHNIQUES
(Sub Code: 23UGVABOT02)

Max. Marks: 20	Duration: 2 Hours
Q.NO. I. Writes media components and demonstrates the and Sterilization of media "A"	ne preparations 03 Marks
Q.No. II. Inoculation of stem/leaf culture in aseptic con	ndition "B" 05 Marks
Q.NO.III. Comment on experiments "C"	03 Marks
Q.NO.IV. Identify and Comment on the materials "D, &	& E" 04 Marks
Record	05 Marks

Department of Botany
SB Arts & KCP Science College
VIJAYAPUR-586103

Date:-11-07-2024

S,B,Arts & K.C.P.Science College,

S.B.Arts & K.C.P. Science College. VIJAYAPUR.

Time: 8 am to 10am



S. B. ARTS AND K. C. P. SCIENCE COLLEGE



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DEPARTMENT OF BOTANY

PLANT TISSUE CULTURE TECHNIQUES

Skill Based Value Added Course Examination B.Sc IInd Semester Practical Exam student signature list 2023-24 Date:11/07/2024

SL.NO	NAME OF THE STUDENTS	UUCMS NO.	STUDENTS SIGN
1	ANJANA VEERANNA MURKHANDE	U15KM23S0012	Marl
2	ZIYA KHATOON	U15KM23S0013	(2)
3	MEENAKSHI IRASANGAYYA MATHPATI	U15KM23S0023	Sull
4	HARANI SURESH NAIKAR	U15KM23S0024	HANL
5	RAGINI DASAGOND	U15KM23S0026	Recorded
6	SHEELAVANTI ALOOR	U15KM23S0027	SSAfre
7	NARESH PAWAR	U15KM23S0029	Neadle
8	GURANAGOUDA PARAGOUDA BIIRADAR	U15KM23S0052	Cop!
9	VIJAYALAXMI BASAVARAJ GUNNAPUR	U15KM23S0141	20
10	MADIHA MAKANDAR	U15KM23S0143	Mine
11	SANKET SOMAPUR	U15KM23S0148	Salt
12	SANIA SHAIKH	U15KM23S0152	Char
13	SACHIN BIRADAR	U15KM23S0173	Doel
14	SHIVANAND GANGAPPA NAYAK	U15KM23S0179	Special
15	SHABEENA REHAMANSAB CHAPPARBAND	U15KM23S0183	Da
16	MISBA PATIL	U15KM23S0196	Meable
17	BHUMIKA CHOURAD	U15KM23S0198	SP.
18	PREETI A KOLUR	U15KM23S0199	Thereo.
19	SAHANA SHIVANAND VADDAR	U15KM23S0200	Queth
20	SHILPA YANKANNA KURI	U15KM23S0202	5.4 Kard
21	BASAYYA REVANAYYA CHIKKAPATTA	U15KM23S0218	A. A Same
22	SAVITA KALLAPPA ADIHUDI	U15KM23S0219	Seath
23	M RAKSHITA	U15KM23S0220	Perhafa
24	SHREYA KATTI	U15KM23S0232	SSlath
25	PRUTHVIRAJ KALLUR	U15KM23S0233	PS Ceeller
26	PATIL PRATIK MALAKARASIDDHA	U15KM23S0237	Perrelia
27	SAYIL SANTOSH CHAVAN	U15KM23S0239	Buch
28	SANTOSH SHIVASHANKAR NAVI	U15KM23S0254	Caw.
29	KEERTI KALAGI	U15KM23S0263	(tand:
30	ROHIT KALLAPPA DESAI	U15KM23SQ266	Pkale

Department of Botany SB Arts & KCP Science College VUAYAPUR-586103

IQAC, Co-ordinator

S.B.Arts & K.C.P. Science College,

Vijayapur.



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DEPARTMENT OF BOTANY

PLANT TISSUE CULTURE TECHNIQUES B.Sc. IInd Semester student's marks list- 2023-24

2 z	Name of the student	UUCMS No.	Theory	Practical	CT1 . 1
2 z		00011101101	30 marks	20 marks	Total 50 marks
	ANJANA VEERANNA MURKHANDE	U15KM23S0012	24	20	44
	ZIYA KHATOON	U15KM23S0013	23	18	41
3 N	MEENAKSHI IRASANGAYYA MATHPATI	U15KM23S0023	20	20	40
4 H	HARANI SURESH NAIKAR	U15KM23S0024	26	19	45
5 R	RAGINI DASAGOND	U15KM23S0026	26	18	44
	SHEELAVANTI ALOOR	U15KM23S0027	25	20	45
7 N	NARESH PAWAR	U15KM23S0029	27	19	46
В	GURANAGOUDA PARAGOUDA BIIRADAR	U15KM23S0052	28	19	47
	VIJAYALAXMI BASAVARAJ GUNNAPUR	U15KM23S0141	29	20	49
	MADIHA MAKANDAR	U15KM23S0143	21	17	38
	SANKET SOMAPUR	U15KM23S0148	22	19	41
	SANIA SHAIKH	U15KM23S0152	20	17	37
	SACHIN BIRADAR	U15KM23S0173	26	18	44
14 s	SHIVANAND GANGAPPA NAYAK	U15KM23S0179	27	19	46
	SHABEENA REHAMANSAB CHAPPARBAND	U15KM23S0183	25	17	42
	MISBA PATIL	U15KM23S0196	26	18	44
17 В	BHUMIKA CHOURAD	U15KM23S0198	19	18	37
18 P	PREETI A KOLUR	U15KM23S0199	28	19	47
19 s.	AHANA SHIVANAND VADDAR	U15KM23S0200	18	17	35
20 si	HILPA YANKANNA KURI	U15KM23S0202	22	18	40
21 B.	SASAYYA REVANAYYA CHIKKAPATTA	U15KM23S0218	27	20	47
22 SA	AVITA KALLAPPA ADIHUDI	U15KM23S0219	22	19	41
23 M	1 RAKSHITA	U15KM23S0220	28	20	48
24 SI	HREYA KATTI	U15KM23S0232	22	18	40
25 PF	RUTHVIRAJ KALLUR	U15KM23S0233	23	18	41
26 PA	ATIL PRATIK MALAKARASIDDHA	U15KM23S0237	24	17	41
27 SA	AYIL SANTOSH CHAVAN	U15KM23S0239	21	18	39
28 SA	ANTOSH SHIVASHANKAR NAVI	U15KM23S0254	25	20	45
29 кі	EERTI KALAGI	U15KM23S0263	24	19	43
30 R	OHIT KALLAPPA DESAI	U15KM23S0266	18	17	35

PROLLEY HEAD

Department of Botany SB Arts & KCP Science College VIJAYAPUR-586103 IQAC, Co-ordinator S.B.Arts & K.C.P.Science College, Vijayapur,

S.B.Arts & K.C.P. Science College, VIJAYAPUR.

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Skill Based Value Added Course 2023-24 PLANT TISSUE CULTURE TECHNIQUES (Sub Code: 23UGVABOT02)

Students Feedback

Date:16/07/2024

✓ Rate the following aspects with tick marks ()

Aspects	Ratings			
	Excellent (1)	Very Good (2)	Good (3)	Satisfactory (4)
Course contents and relevance				
2. Organisation and conduction		1		
3. Trainers expertise				
Usefulness of Course / Skill development				

Comments (If any):

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SB Arts & KCP Science College
VUAYAPUR-586103

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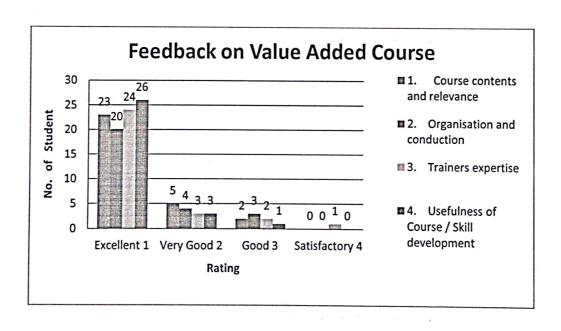
Feedback questions analysis

Question asked

Ratings

Q1.	Course contents and relevance	Value added Course Entitled: PLANT TISSUE CULTURE	1.Excellent
Q2.	Organization and conduction	TECHNIQUES	2. Very Good
Q3.	Trainers expertise		3. Good
Q4.	Usefulness of Course / Skill development		4. Satisfactory

Questions	Ratings			
	Excellent (1)	Very Good (2)	Good (3)	Satisfactory (4)
1.Course contents and relevance	23	5	2	0
2.Organisation and conduction	20	4	3	0
3.Trainers expertise	24	3	2	1
4.Usefulness of Course / Skill development	26	3	1	0



Department of Botany SB Arts & KCP Science College VIJAYAPUR-586103

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DEPARTMENT OF BOTANY

Date: 16/07/2024

VALUE ADDED COURSE

Course outcome

Name of the value added course	Plant tissue culture techniques
Course code	23UGVABOT02
Course Coordinator of the VAC	Dr. Ramachandra Naik.M
Duration of the course	01-06-2024 to 3 0-06-2024
No. of hours of the course	30 Hours
Total number of participants	30 Students
enrolled for VAC	
Successfully completed the	30 Students
VAC course (passed students)	
Type of Assessment	Descriptive (Theory 30 marks and Practical
	20 marks)

The Value Added Course – Plant tissue culture techniques will helpful the students for learning new methods of conventional breeding techniques fulfill the required demand of crops. Tissue culture came around as a grand leap in breeding practices. It makes use of parts of a plant to generate multiple copies of the plant in a very short duration. This technique explants the property of totipotency of plant cell which means that any cell from any part of the plant can be used to generate a whole new plant. After complete this course is more beneficial to create self-employment income generating to students for multiplication of many plants in their own nursery. This Plant tissue culture techniques course focuses on all round development of the students to face competitive world.

Head of the Department

Department of Botany SB Arts & KCP Science College VIJAYAPUR-586103 S.B.Arts & K.C.P. Science College,
Vijayapur

Printipal,
S.B.Arts & K.C.P. Science College,
Vijayapur





B. L. D. E. Association's

S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

Internal Quality Assurance Cell Initiative (Re-Accredited by NACC at 'A' Level in 3rd Cycle)



Gertificate

has Completed the Value Added Course on PL out t	This is to certify that Mr./Ms.
dded Course on PL cut	Naresh Pay
nt Tissue cul	NOT
ture Teca)	

Conducted by the Department of Botany

during the

Year 2023 - 24

Head of the Department



Co-Ordinator, IQAC

A John S.

Principal