

SVRK Govt. Degree College, Nidadavole (M)

IQAC ACTIVITIES 2023-2024

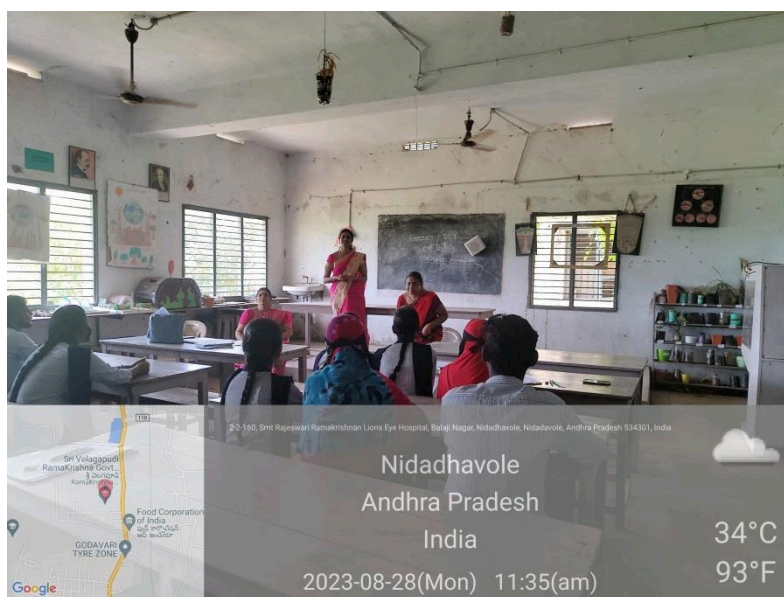
Department of Botany- Guest lecture

1. Guest Lecture : Sri.P.Chamundeswari Devi, Lecturer in Botany, SCIM GDC, Tanuku.
2. Topic : Mendelism.
3. Date : 28-08-2023.
4. Students Participated : 13
5. Lecturers involved : Dr. P.S.S.Sravanthi, Smt.B.Raja Rajeswari.

Objective and importance:

Inviting guest lecturers to your classroom has benefits for learners for the guest lecturers. Bringing in speakers with proven expertise in a topic provides added credibility to our content. Having a guest lecturer also opens your lesson design to new options. Higher education today embraces the ideas of interdisciplinary thinking and performance, and what better way to model this than to have guests from other disciplines teaching content from their perspective. It takes both prior planning and organized follow-up, but is well worth the effort

- Description of Program: Sri.P.Chamundeswari Devi delivered an elaborate lecture on “Mendelism” which was very beneficial to the students. Mendel's laws of inheritance were explained in detail with specific examples relating to their inheritance.



SVR Government Degree College , Nidadavole
IQAC ACTIVITIES 2023-2024
Department of Botany
List of Assignments-I CBZ (II Sem)

S.N o	Month	Assignment	Remarks
1	June	Sexual reproduction in Lycopodium Cycas anatomy Bentham and Hooker Classification Euphorbiaceae Phytogeographical regions in India	covered
2	July	Marsilea reproduction Gnetun Life cycle Poaceae ICBN Phytogeographical regions in World	covered
3	August	Anatomical features of Marsilea Cycadeoidea Cucurbitaceae Endemism Binomial Nomenclature	covered

SVR Government Degree College, Nidadavole
IQAC ACTIVITIES 2023-2024
Department of Botany
List of Assignments-II CBZ (IV Sem)-paper IV(A)

S.No	Month	Assignment	Remarks
1	JUNE	Transpiration Mechanism of stomatal movement Osmosis Ascent of sap Glycolysis	covered
2	JULY	Krebscycle C3 cycle C4 cycle, CAM Electron transport Photophosphorylation	covered
3	AUGUST	Photorespiration Nitrogen fixation Enzymes Growth regulators	covered

SVR Government Degree College, Nidadavole
IQAC ACTIVITIES 2023-2024
Department of Botany
List of Assignments-II CBZ (IV Sem)-paper IV(B)

S.No	Month	Assignment	Remarks
1	JUNE	Differences between Prokaryotes and Eukaryotes Differences between Plant Cell and Animal cell Cell wall structure Plasma membrane structure	covered
2	JULY	Linkage and Crossing Over DNA replication Methods of crop improvement tRNA Di hybrid Cross	covered
3	AUGUST	Objectives of plant breeding Nucleosome model Role of DNA Markers in crop improvement Hybridization	covered

SVR Government Degree College, Nidadavole IQAC

ACTIVITIES 2023-2024

Department of Botany- Student seminar (II sem)

1.	R.Manoj	I CBZ	13-07-2023	ICBN
2.	Sk.Farida	I CBZ	13-07-2023	Marsilea Reproduction
3.	S.Naga Durga	I CBZ	13-07-2023	Phytogeographical regions in World
4.	V.Mahesh Babu	I CBZ	13-07-2023	Endemism
5.	Sk.Sabiha	I CBZ	13-07-2023	Bentham and Hooker Classification
6.	G.A.R.Mary	I CBZ	13-07-2023	Geological Time Scale
7.	M.Likhitha	I CBZ	13-07-2023	Stelar evolution in pteridophytes
8.	D.V.Kamal Srinivas	I CBZ	13-07-2023	Euphorbiaceae
9.	M.Naga Nandini	I CBZ	13-07-2023	Phytogeographical regions in World

SVRK Govt. Degree College, Nidadavole (M)

IQAC ACTIVITIES 2023-2024

Department of Botany

Participation in Committees

Name: Dr.P.S.S.Sravanthi

S.No	Name of the Committee	Convenor/Member
1	Admissions Committee	Convener
2	Academic Coordination Committee	Convener
3	Research Promotion Committee	Convener
4	IQAC	Member
5	UGC	Member
6	Central Purchase Committee	Member
7	NIRF	Member
8	Women Empowerment & Mahila Sakthi	Member
9	Attendance Consolidation	Member
10	Naadu Nedu Committee	Member
11	Anti-Ragging Committee	Member
12	UBA	Member

SVRK Govt. Degree College, Nidadavole (M)

IQAC ACTIVITIES 2023-2024

Department of Botany

Participation in Committees

Name: Smt.B.Raja Rajeswari

S.No	Name of the Committee	Convenor/Member
1	Attendance Consolidation	Convener
2	Students Union Special fee committee	Member
3	Science Association	Member

Field trip report
SVR Government Degree College, Nidadavole

IQAC ACTIVITIES 2023-2024

Department of Botany- Field Trip

1. Field Trip to : YSR Horticulture University, Venkatramanna
gudem
Tadepalligudem.
2. Date : 04-11-2023.
3. Students Participated: 11.
4. Lecturers involved : Dr. P.S.S.Sravanthi, Smt. B.Raja Rajeswari.



Department of Botany organizing field trip to YSR Horticulture University, Venkatramanna gudem, Tadepalligudem.



Students at Krishi vignan Kendra, venkatramannagudem



Students learning about cultivation of Azolla



Students learning Grafting techniques



Interactive session with scientists

AIDS day



NSS eye testing



Student orientation 11-12-23



SVR Government Degree College, Nidadavole

IQAC ACTIVITIES 2023-2024

Extension activities

1. Extension Activity : Alumni felicitation to Pinninti Sai Bhavani Kumar
as who secured job in Southern Railways, Chennai
junior accounts assistant
2. Date : 11-12-2023
3. Students Participated : 33.
4. Lecturers involved : Dr. P.S.S.Sravanthi



Vikasit bharath 11-12-23



Nidadhavole, Andhra Pradesh, India

2-2-160, Smt Rajeswari Ramakrishnan Lions Eye Hospital, Balaji Nagar,
Nidadhavole, Nidadavole, Andhra Pradesh 534301, India

Lat 16.922109°

Long 81.672177°

11/12/23 10:45 AM GMT +05:30

Google

SVRK Govt. Degree College (M), Nidadavole
IQAC ACTIVITIES 2023-2024
Department of Botany
List of Assignments-II CBZ (III Sem)

S.No	Month	Assignment	Remarks
1	AUGUST	Hot Spots in India Vascular tissue system Boerhaavia stem anatomy Dracaena stem anatomy	covered
2	SEPTEMBER	Microsporogenesis Dicot embryo development Tetrasporic embryosacs Types of endosperms	covered
3	OCTOBER	Temperature factor Biotic factor Light factor Hydrosere Edaphic factor	covered
4	NOVEMBER	Population ecology Endemism Mechanism of Opening and closing of stomata	covered

SVRK Govt. Degree College (M), Nidadavole
IQAC ACTIVITIES 2023-2024
Department of Botany
List of Assignments-III CBZ (V Sem)-paper VI(A)

S.No	Month	Assignment	Remarks
1	October	Propagation Facilities Sexual and Asexual Plant Propagation Propagation by division and Seperation	covered
2	November	Stem Cuttings Root cutting Leaf cutting Budding Layering types	covered
3	December	Air layering Technique Bud wood certification Apomixis Polyembryony	covered
4	January	Propagation of Apomictic embryos in mango, citrus and Allium. Micrografting	covered

SVRK Govt. Degree College (M), Nidadavole
IQAC ACTIVITIES 2023-2024
Department of Botany
List of Assignments-III CBZ (V Sem)-paper VII(A)

S.No	Month	Assignment	Remarks
1	October	Seed Dormancy Seed storage conditions Seed moisture determination	covered
2	November	Seed Viability Seed Health Testing TZ test	covered
3	December	Seed Borne diseases Seed Treatment methods Spraying and Dusting	covered
4	January	Phases of Certification Standard Records and Reporting Indian Seed act Seed Rules-New seed Policy 1988	covered

SVR Government Degree College, Nidadavole
IQAC ACTIVITIES 2023-2024
Department of Botany
List of Assignments-II CBZ (IV Sem)-paper IV

S.N o	Month	Assignment	Remarks
1	JANUARY	Properties of Water Transpiration Mechanism of stomatal movement Osmosis Ascent of sap	covered
2	FEBRUARY	Glycolysis Krebscycle C3 cycle C4 cycle, CAM	covered
3	MARCH	Glyoxylate cycle Electron transport Photophosphorylation Photorespiration	covered
		Mitochondrial and Chloroplast DNA	

4	APRIL	Nitrogen fixation Enzymes Growth regulators	covered
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SVR Government Degree College, Nidadavole
IQAC ACTIVITIES 2023-2024
Department of Botany
List of Assignments-II CBZ (IV Sem)-paper V

S.No	Month	Assignment	Remarks
1	JANUARY	Differences between Prokaryotes and Eukaryotes Differences between Plant Cell and Animal cell Ultra-Structure of Cell wall Ribosomes	covered
2	FEBRUARY	Plasma membrane structure Linkage and Crossing Over DNA Structure DNA replication	covered
3	MARCH	Nucleosome model Types of RNA Mono and Di hybrid Cross	covered

		3-point Test cross	
4	APRIL	Objectives of plant breeding Role of DNA Markers in crop improvement Methods of crop improvement Hybridization RFLP, RAPD	covered

SVRK Govt. Degree College, Nidadavole (M)

IQAC ACTIVITIES 2023-2024

Department of Botany- Student seminar





1.	K.V.V. Krishna Veni	III CBZ	16-12-2023	Various methods of seed testing
2.	K.Pooja Sravanthi	III CBZ	16-12-2023	Seed certification
3.	B.Surya Sruthi	III CBZ	16-12-2023	Transmission of seed borne pathogen
4.	M.Ramesh	IIICBZ	16-12-2023	Seed borne diseases
5.	K.Manoj	III CBZ	16-12-2023	Seed drying
6.	G.Nikitha	III CBZ	18-12-2023	Seed packaging
7.	Ch.Bhuvana	III CBZ	16-12-2023	Seed storage
8.	D.Babi	III CBZ	16-12-2023	Pre sowing seed treatment
9.	Y.Akash Babu	III CBZ	16-12-2023	Storage treatment
10.	G.Mamatha	III CBZ	16-12-2023	TZ test
11.	J.Sangeeta Joysy	III CBZ	16-12-2023	Seed processing
12.	R.Ganesh	III CBZ	16-12-2023	New seed policy 1988
13.	R.D.Dheeraj kumar	III CBZ	16-12-2023	Dry inspection methods of seed health testing

				Evolution of sporophyte in bryophytes
			09-03-2023	Spirogyra life cycle
			22-01-2022	Funaria Capsule
			03-03-2023	Marchantia life cycle
24.	R.Manoj		09-03-2023	Polysiphonia life cycle
25.	Sk.Farida	I CBZ	03-03-2023	Puccinia life cycle
26.	S.Naga Durga	I CBZ	09-03-2023	Bacteria Reproduction
27.	V.Mahesh Babu	I CBZ	03-03-2023	Thallus organization in algae
28.	Sk.Sabiha	I CBZ	03-03-2023	
29.	G.A.R.Mary	I CBZ		
30.	M.Likhitha	I CBZ		
31.	D.V.Kamal Srinivas	I CBZ		
		I CBZ		



GOVERNMENT OF ANDHRA PRADESH
COMMISSIONERATE OF COLLEGIATE EDUCATION
Mangalagiri, Andhra Pradesh

5 DAY NON RESIDENTIAL TRAINING PROGRAMME FOR TEACHERS (ToT)

CERTIFICATE OF PARTICIPATION

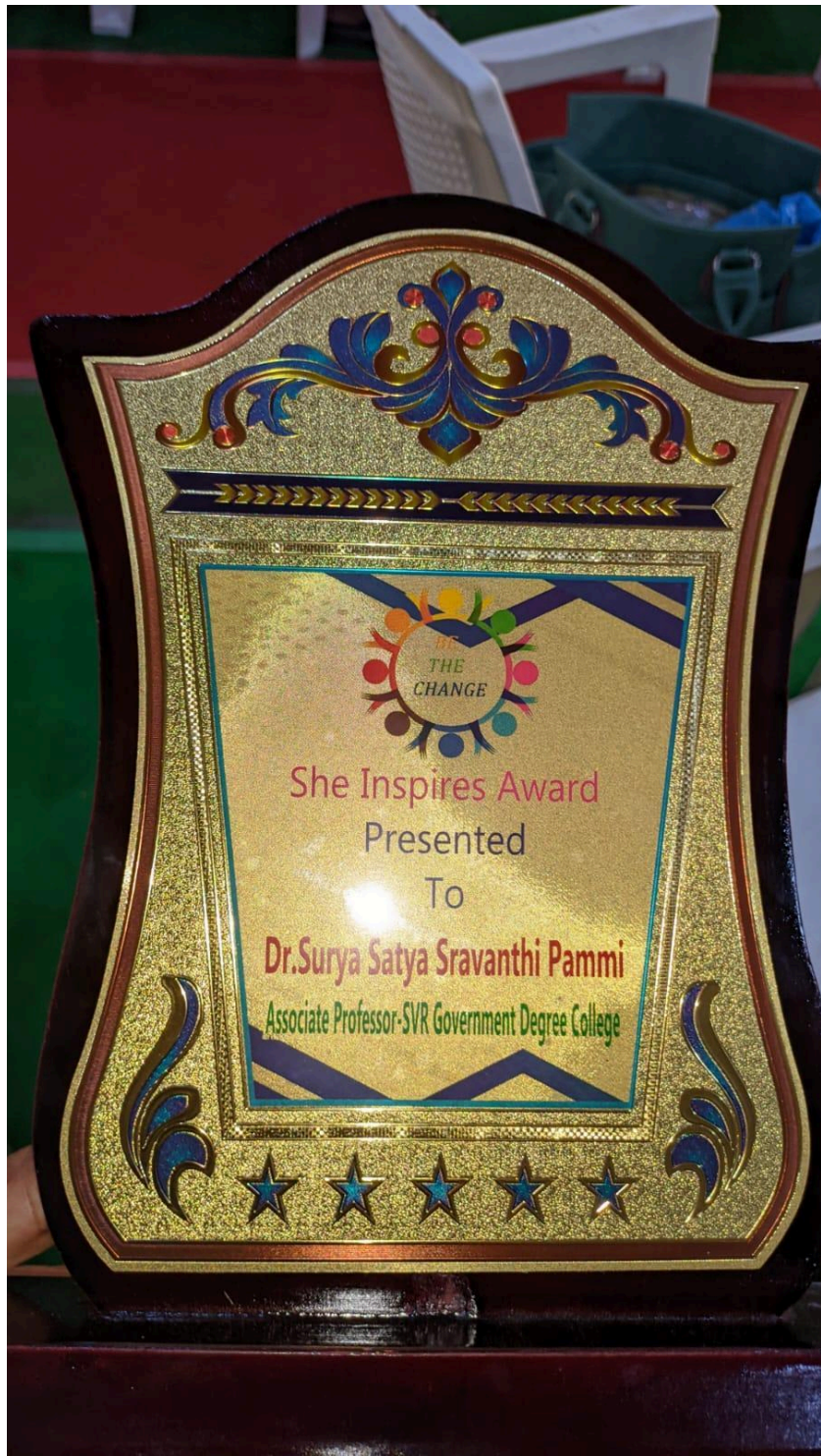
This is to certify that

Sri/Smt./Kum.P.S.S.SRAVANTHI

has participated in the “ 5 Day Non-Residential Training of the Trainers Programme (ToT) “ on
Botany and Microbiology subjects from **29.02.2024 to 05.03.2024**
at **Nodal Resource Centre (NRC), Tanuku** Organised by
Commissionerate of Collegiate Education, A.P., Mangalagiri.

Principal,

Dr. Pola Bhaskar, I.A.S.
Commissioner of Collegiate Education.





SHE INSPIRES AWARDS 2024



A Celebration Of Honoring Sheroes Of India

Lets Celebrate The Womanhood

CONGRATULATIONS



Dr. Sarya Satya Sravanthi Pammi

Associate Professor
SVR Government Degree College

AWARDEE



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BE THE CHANGE FOUNDATION
PROUDLY PRESENTS

SHE INSPIRES AWARDS 2024 5TH EDITION

Lets Celebrate The Womanhood !

**A CELEBRATION OF HONORING SHEROES
OF INDIA**



Date: March 3,2024(Sunday) Time :04:00 PM

Venue: Marri Krishna Hall Tarnaka,
Hyderabad

Now, It's Our **5th year** We Celebrate And Honor
The Contributions Of Women
Who Have Excelled In Different
Fields

For More Details : 7674043695

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SVR Government Degree College, Nidadavole
IQAC ACTIVITIES 2023-2024
Department of Botany- Academic Activities

1. Academic Activity : Organised “Science day”
celebrations in association with science association.
2. Date : 28-02-2024
3. Students Participated : 72.
4. Lecturers involved : Dr. P.S.S.Sravanthi,



SVR Government Degree College, Nidadavole
IQAC ACTIVITIES 2023-2024

WEC activities

1. WEC Activity : Organised “**Rangoli Competition**” for Sankranthi celebrations in association with WEC.
2. Date : 03-01-2024
3. Students Participated : 22.
4. Lecturers involved : Dr. P.S.S.Sravanthi,



SVR Government Degree College, Nidadavole

IQAC ACTIVITIES 2023-2024

WEC activities

1. WEC Activity : Organised “**Mens day**” celebrations in

association with WEC.

2. Date : 19-11-2023

3. Students Participated : 35.

4. Lecturers involved : Dr. P.S.S.Sravanthi,



SVR Government Degree College, Nidadavole (M)
BOTANY DEPARTMENT
RESULT ANALYSIS
2023-24

Name of the lecturer: Dr. P.S.S.Sravanthi, Lecturer in Botany.

S. No	Class	Paper	Name of the paper	No. of students appeared	No. of students passed	Pass Percentage
1	III CBZ (V sem)	VI A	Plant Propagation	18	18	100%
2	II CBZ (III sem)	III	Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity	09	09	100%
3	II CBZ (IV sem)	IV	Plant physiology and metabolism	08	08	100%

Name of the lecturer: Smt. B.Raja Rajeswari, Cont. Lecturer in Botany.

S.No	Class	Paper	Name of the paper	No. of students appeared	No. of students passed	Pass Percentage
1	III CBZ (V sem)	VIIa	Seed Technology	18	18	100%
2.	II CBZ (IV sem)	IV	Cell biology, Genetics and plant breeding	08	08	100%

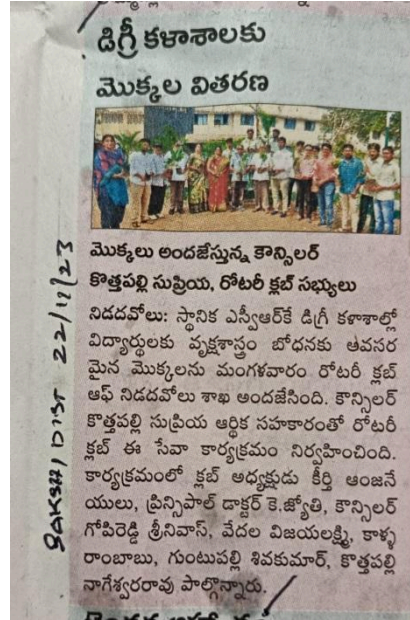
SVR Government Degree College, Nidadavole

IQAC ACTIVITIES 2023-2024

Extension activities

1. Extension Activity : Distribution of plants to Botany department of college in association with Rotary Club
2. Date : 14-11-2023
3. Students Participated : 13.
4. Lecturers involved : Dr. P.S.S.Sravanthi





SVR Government Degree College, Nidadavole
IQAC ACTIVITIES 2023-2024
Remedial coaching





**SSAR
(SEMESTER – WISE
SELF-APPRAISAL
REPORT)**

2023-2024

Submitted
by

Dr.P.S.S.Sravanthi.

Lecturer in Botany,

SVR Government Degree College,

Nidadavole

SVR Government Degree College, Nidadavole IQAC

ACTIVITIES 2023-2024

Department of Botany- Student seminar (III sem)

				Development of dicotyledonous embryo
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1.	Sk.Farida	II CBZ	21-11-2023	Anamalous secondary growth in Dracaena stem
2.	S.Naga Durga	II CBZ	21-11-2023	Endosperm types
3.	Sk.Sabiha	II CBZ	21-11-2023	Hot spots in India
4.	D.V.Kamal Srinivas	II CBZ	21-11-2023	Secondary Production and P/R Ratio
5.	M.Naga Nandini	II CBZ	21-11-2023	



SVR Government Degree College, Nidadavole IQAC

ACTIVITIES 2023-2024

Department of Botany- Student seminar (IV sem)

1.	R.Manoj	II CBZ	05-03-2024	Eukaryotic cell
2.	Sk.Farida	II CBZ	05-03-2024	Glycolysis
3.	S.Naga Durga	II CBZ	05-03-2024	Cyclic and non-cyclic Photophosphorylation
4.	V.Mahesh Babu	II CBZ	05-03-2024	Gibberellins
5.	Sk.Sabiha	II CBZ	05-03-2024	Nitrogen Fixation

6.	G.A.R.Mary	II CBZ	05-03-2024	Krebs cycle
7.	M.Likhitha	II CBZ	05-03-2024	Photo respiration
8.	M.Naga Nandini	II CBZ	05-03-2024	Mechanism of Stomatal Movement



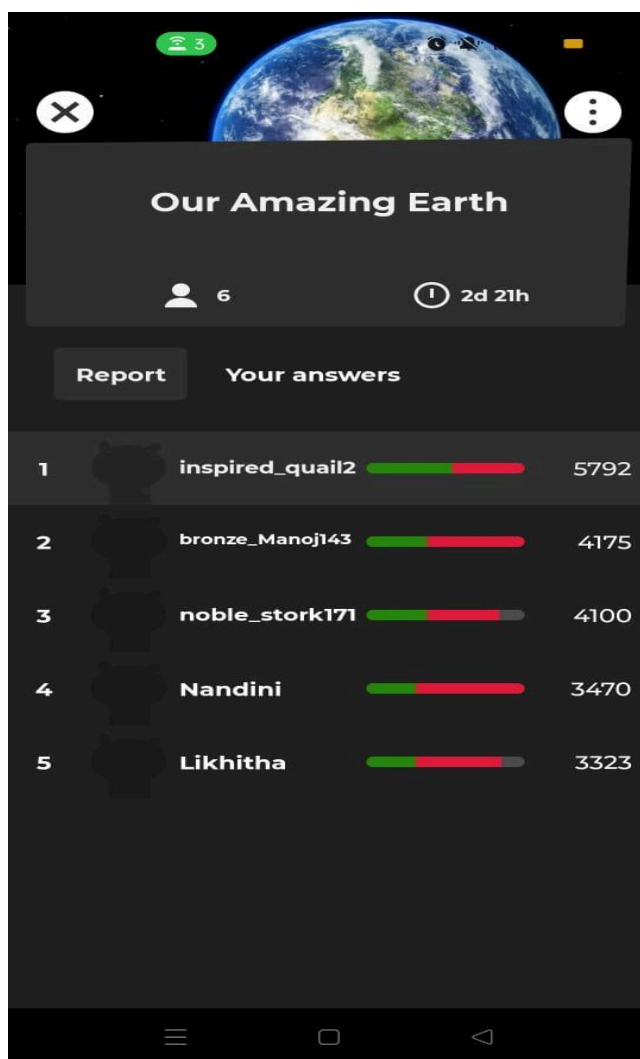


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ACTIVITIES 2023-2024

Department of Botany- Academic Competitions

1. Type of Competition : “kahoot **Quiz**” to Second BZC students.
2. Topic : Our Amazing Earth.
3. Date : 03-05-2024.
4. Students Participated : 08.
5. Lecturers involved : Dr. P.S.S.Sravanthi



SVR Government Degree College, Nidadavole IQAC

ACTIVITIES 2023-2024

Department of Botany- Academic Competitions

1. Type of Competition : “Group discussion Programme” to BZC students.
2. Topic : Internship Students going far away from home is beneficial or not?
3. Date : 03-05-2024.
4. Students Participated : 08.
5. Lecturers involved : Dr. P.S.S.Sravanthi

Team A:

- 1) R.Manoj - II BZC
- 2)S.Naga Durga- II BZC
- 3) V.Mahesh Babu - II BZC
- 4)Sk.Sabiha - I BZC

Team B:

- 1) Sk.Farida -II BZC
- 2)G.Mary -II BZC
- 3)M.Naga Nandini- II BZC
- 4) M.Likhita- I BZC



Winner-Team B

Aim and objective:

It is being organized to see and evaluate their thinking skills and listening abilities and how they are communicating their thoughts.

Learning outcome: Student learned how to evolve thinking on a particular topic which helped in evaluating their soft skills. Students gained clarity in their thoughts, views and opinions.





SVR Govt. Degree College, Nidadavole
IQAC ACTIVITIES 2023-2024
Department of Botany

Additional inputs

Name of the Lecturer: Dr.P.S.S.Sravanthi

S.No	Name of the topic	Class
1	Women in plant physiology:2022	II BZC

Name of the Lecturer: Smt.B.Raja Rajeswari

S.No	Name of the topic	Class
1	Hybrid Rice production	II BZC

SVR GOVERNMENT DEGREE COLLEGE, NIDADAVOLE
Internal Quality Assurance Cell (IQAC)

LECTURER-WISE RESULT ANALYSIS - 2023-2024 (A.Y.)

Name of the Lecturer : Dr.P.S.Sravanthi

Department : Botany

Sl. No.	Class	Semester No.	Title of the paper	No. Of students Appeared	No. Of students Passed	Pass Percentage
1	III CBZ	V sem (VI A)	Plant Propagation	18	18	100%
2	II CBZ	III sem	Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity	09	09	100%
3	II CBZ	IV Sem (IV A)	Plant physiology and metabolism	08	08	100%
TOTAL				35	35	100%

Signature of the Lecturer :

Signature of the In-Charge :

Signature of the IQAC Coordinator :

Signature of the Principal :

Internal Quality Assurance Cell (IQAC)

LECTURER-WISE RESULT ANALYSIS - 2023-2024 (A.Y.)

Name of the Lecturer : Smt.B.Raja Rajeswari

Department : Botany

Sl. No.	Class	Semester No.	Title of the paper	No. Of students Appeared	No. Of students Passed	Pass Percentage
1	III CBZ	V sem (VII A)	Seed Technology	18	18	100%
2	II CBZ	IV Sem (IV B)	Cell Biology, Genetics and Plant Breeding	08	08	100%
TOTAL				26	26	100%

Signature of the Lecturer :

Signature of the In-Charge :

Signature of the IQAC Coordinator :

Signature of the Principal :

SVR GOVERNMENT DEGREE COLLEGE, NIDADAVOLE

Internal Quality Assurance Cell (IQAC)

DEPARTMENT OF BOTANY 2023-2024 (A.Y.)

SLOW, ADVANCED AND MODERATE LEARNERS

Class: III BZC

Sl. No.	ADVANCED LEARNER	MODERATE LEARNER	SLOW LEARNER
1	R.D.Satya Kumar	A.Hummar Vali	B.Akhila
2	M.Vinay	M.Meenan	G.Nikitha
3	V.Surya Sruti	Y.Akash Babu	G.Mamatha
4	K.V.V.Krishna Veni	J.Sangeeta Joysy	K.Durga Prasad
5	M.Ramesh	Ch.B.Teja Sri	R.Ganesh
6	K.Pooja Sravanthi	K.Manoj	D.Babi

SVR GOVERNMENT DEGREE COLLEGE, NIDADAVOLE

Internal Quality Assurance Cell (IQAC)

DEPARTMENT OF BOTANY 2023-2024 (A.Y.)

SLOW, ADVANCED AND MODERATE LEARNERS

Class: II BZC

Sl. No.	ADVANCED LEARNER	MODERATE LEARNER	SLOW LEARNER
1	M.Likitha	V.Mahesh Babu	D.V.K.Srinivas
2	S.Naga Durga	R.Manoj	
3	G.Ananda Ratna Mary	Sk.Farida	
4	Sk.Sabiha		

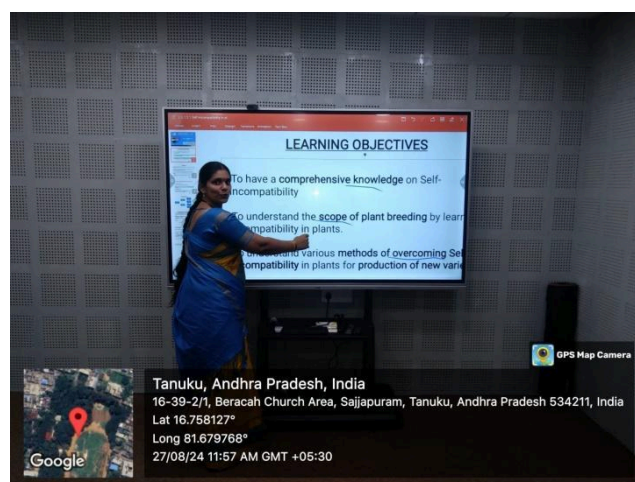
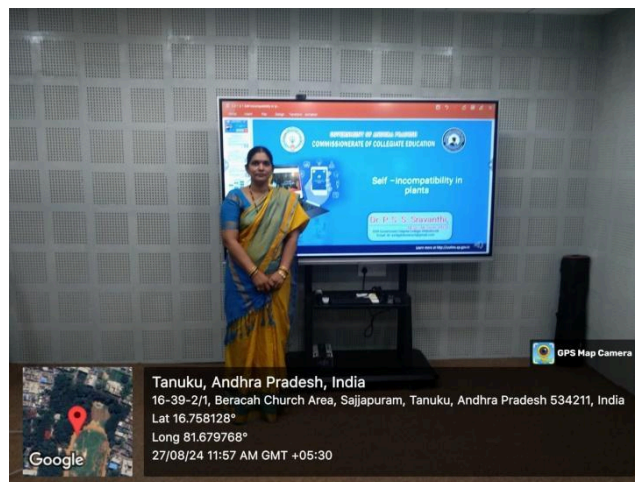
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Internal Quality Assurance Cell (IQAC)

Academic activities-LMS

2024-2025

1. Academic Activity : LMS video recording at SCIM GDC, Tanuku
2. Topic: : Self-incompatibility in plants
3. Date : 27-08-2024
4. Lecturers involved : Dr. P.S.S.Sravanthi.



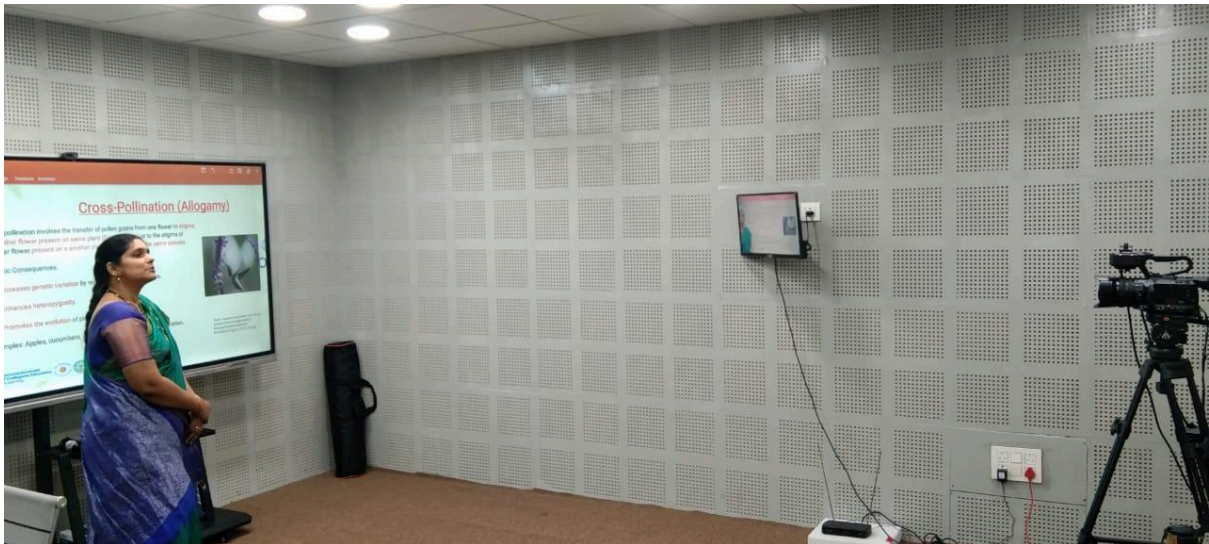
SVR GOVERNMENT DEGREE COLLEGE, NIDADAVOLE

Internal Quality Assurance Cell (IQAC)

Academic activities-LMS

2024-2025

1. Academic Activity : LMS video recording at SCIM GDC, Tanuku
2. Topic: : Self and Cross-Pollination: Genetic
Consequences and Significance
3. Date : 24-06-2024
4. Lecturers involved : Dr. P.S.S.Sravanthi.



SVR GOVERNMENT DEGREE COLLEGE, NIDADAVOLE

Internal Quality Assurance Cell (IQAC)

Academic activities-LMS

2024-2025

1. Academic Activity : LMS video recording at SCIM GDC, Tanuku
2. Topic: : Objectives of Indian Seed act, seed rules and Seed Order
2. Date : 17-09-2024
4. Lecturers involved : Dr. P.S.S.Sravanthi.

