

Government of Andhra Pradesh Commissionerate of Collegiate Education

Academic & Administrative Audit of Degree Colleges (2022-23)

Form - III A (To be filled by Faculty and handed over to Academic Advisor)

District:

Zone: II

Name of the College and Address	SKR Government Degree College (Women), Rajamahendravaram
Name of the Teacher	M. Sridevi
Name of the Subject	Botany
Date of Joining in Degree College Date	20-07-2004

S.No	Key Indicator	List of files/documents to be kept ready as a proof of key indicators	Information in support of the key indicators	Key Aspect Scores	Percentage & Weightage (Wt) for Key Indicator	Key Indicator Grade Points (KIGP) (A =3, B=2, C=1, D=0)	Key Indicator Wise Weighted Grade Points (KIWWGP) = KIGP X Wt	KIWWGP as per Academic Advisor's grading	Guidelines
I-CURRICULAR ASPECTS									
1	Curricular Planning and Implementation (for Autonomous Colleges - Efforts for Curriculum Design and Development to be considered)	Preparation and Implementation of	Course wise/Sem wise Records for the Academic Year	2x5 = 10	30	B	60		1) All five key indicators = 5 Grade points A 2) Any four key indicators = 2 Grade points B 3) Any two key indicators = 1 Grade points C 4) No Indicator = 0 D
		1. Annual Academic Curriculum Plan 2 Course Objectives & Outcomes	Course wise/Sem wise Records for the Academic Year	2x5 = 10					
		3. Teaching Diary 4. Lesson Plans 5. Active Participation in PDS	Initiation Letter & Attendance	10					
2	Curriculum Flexibility/Enrichment	1. Additional inputs given to Curriculum of the courses taught	Course wise/Sem wise additional inputs Reports	10	20	C	10		1) All three key indicators = 3 Grade points A 2) Any two key indicators = 2 Grade points B 3) Any one key indicator = 1 Grade point C 4) No Indicator = 0 D
		2. Value added courses offered & completed all certificate/Diploma 3) Any Online courses like MOOC's	1) Report on Certificate/Diploma 2) Any Online courses like MOOC's	2x5 = 10					
3	Feedback system	Feedback on Curriculum by Students a) Collected b) Analyzed c) Action taken	Course wise/Sem wise a) Reports of Feedback b) Analysis Reports c) Action taken Report	10	10	A	30		1) All three key indicators = 3 Grade points A 2) Any two key indicators = 2 Grade points B 3) Any one key indicator = 1 Grade point C 4) No Indicator = 0 D
II-TEACHING, LEARNING & EVALUATION									
4	Catering to Student Diversity	1. Report on grouping of students into Slow, Moderate and Advanced learners 2. Course wise activities designed for Slow, Moderate and Advanced learners	1. Course wise/Sem wise Reports with lists of students (Slow, Moderate and Advanced learners) 2. Course wise/Sem wise Activities designed for Slow, Moderate and Advanced learners	10	20	A	30		1) All three key indicators = 3 Grade points A 2) Any two key indicators = 2 Grade points B 3) Any one key indicator = 1 Grade point C 4) No Indicator = 0 D
		1. Report on Course wise Bridge Courses conducted 2. Report on Course wise Remedial coaching conducted	1) Course wise/Sem wise Reports on Bridge Courses conducted 2. Course wise/Sem wise Report on Remedial coaching conducted	2x5 = 10					

No	Key Indicator	List of files/documents to be kept ready as a proof of Key Indicator	Information in support of the key indicator	Key Aspect Scores	Predetermined Weightage (Wt) for Key Indicator	Key Indicator Grade Points (KIGP) (A=5; B=2; C=1; D=0)	Key Indicator Wee Weighted Grade Points (KIWWGP) = KIGP X Wt	KIWWGP as per Academic Advisor's grading	Guidelines
5	Teaching-Learning Process	<ol style="list-style-type: none"> 1. Report on student centered methods implemented (Course wise) 2. Report on implementation of ICT in teaching and learning (Course wise) or Report on implementation of Computer/Internet assisted learning (Course wise) 3. Report on the Use of LMS tools (Course wise) 4. Contribution for the development of LMS in the concerned subject 5. Report on innovative pedagogical Tools used 	Course wise/ Sem wise Reports	50	50	C	50		<ol style="list-style-type: none"> 1) All five key indicators =3 Grade points A 2) Any three key indicators =2 Grade points B 3) Any two key indicator =1 Grade point C 4) Below two =0 D
6	Teacher Profile and Quality	<ol style="list-style-type: none"> 1. Report on Seminars/Conferences/Workshops/ Guest Lectures organized 2. Report on Participation in Seminars/Conferences/Workshops/ Guest Lectures/ Invited talks 3. Awards and recognition 4. Participation in Short term/ Orientation/ Refresher courses/FDPs 5. E-Content Development/ MOOCs (Massive Open Online Courses) 6. Additional Qualifications acquired during the last two years 	Reports and Certificates	30	30	B	60		<ol style="list-style-type: none"> 1) Any five key indicators =3 Grade points A 2) Any three key indicators =2 Grade points B 3) Any two key indicator =1 Grade point C 4) Below two =0 D
7	Evaluation Process and Reforms	<ol style="list-style-type: none"> 1. Report on Formative Evaluation (CIE) 2. Assignments-Critical, Innovative, text book and Internet based 3. Involvement in Summative evaluation 4. Maintaining Marks Register & Result Analysis register 	Department wise reports regarding <ol style="list-style-type: none"> 1. Mid exams, Seminar Reports, Assignment books, Projects and any other tools of Internal Assessment 2. Departmental Internal Marks Register for CIA, verified by the Principal 	10 10 5 5	30	A	90		<ol style="list-style-type: none"> 1) All four key indicator Metrics =3 Grade points A 2) Metrics 1, 2, 4 =2 Grade points B 3) Metrics 1, 2, 3 =1 Grade point C 4) Below two =0 D
8	Student Performance and Learning Outcomes	<ol style="list-style-type: none"> 1. Announcement and Attainment of Course Outcomes 2. Report on Student seminars/ Student demonstrations (Course wise) 3. Report on activities like Quiz, Group discussion/ Poster presentation (Course wise) 4. Report on Field trips (Course wise) 5. Report on Student Study projects (Course wise) 	Course wise Reports	50+30	30	A	90		<ol style="list-style-type: none"> 1) All five key indicators =3 Grade points A 2) First KI Metric and any three other =2 Grade points B 3) First KI Metric and any two other =1 Grade point C 4) Below two =0 D

Key Indicator	List of Key Indicators to be kept ready as a proof of Key Indicators	Information in support of the key indicator	Key Aspects Score	Feedforward Weightage (W) for Key Indicator	Key Indicator Grade Points (KIGP) (A = 5, B=2, C=1, D=0)	Key Indicator Weighted Grade Points (KIGP X W)	KIGP/WGP as per Academic Advisor's grading	Guidelines
III- RESEARCH, INNOVATIONS AND EXTENSION								
8	Quality oriented (i) Research work Non-Governmental Bodies	1. Minor Research Projects	Letter of intimation and award letters (For Current Year only - Error Owing OR Completed)	5	20	-	-	1) All three key indicators - 3 Grade points A 2) Any two key indicators - 2 Grade points B 3) Any one key indicator - 1 Grade point C
		2. Major Research Projects		10				
		3. Innovations Projects		5				
10	Research Publications and Awards	1. Papers Published in Journals/ Chapters published in edited volumes 2. Books published as single author 3. Books published as Co-Author 4. Papers/Chapters published as Co-Author *Note - Assessment of 7 publications in Scopus/Web of Science/ISI or IQR of ARI Listed journals/Any book with ISBN shall be considered 5. Research Leadership 6. Awards in recognition of research work		10 15 10 5	40	B	50	1) Any three key indicators - 3 Grade points A 2) Any two key indicators - 2 Grade points B 3) Any one key indicator - 1 Grade point C 4) No indicator - 0-D
			10 10					
11	Extension Activities	Academic Extension activities through DRP/ Faculty Outreach Programmes/ Skill Domain related	Reports in the NAAC format	10	20	A	30	1) All three key indicators - 3 Grade points A 2) Any two key indicators - 2 Grade points B 3) Any one key indicator - 1 Grade point C 4) No Indicator - 0-D
		Involvement in activities related to community service a. Sensitizing the students about the value of Community Service b. Organizing the activity - A maximum of 5 Programmes/reading in Community Service (like GDF, Swachh Bharat/UBA etc)	Reports in the NAAC format	5-5				
12	Functional Model Collaborations with Govt and Non Governmental Organisations	1) Collaboration with University/ Industry/ State/ Any other Agency 2) Consultancy offered 3) Amount generated through Consultancy	MoU's - 5 points - Consultancy offered-10 Amount generated through Consultancy - 5 points	20	20	C	5	1) All three key indicators - 3 Grade points A 2) Any two key indicators - 2 Grade points B 3) Any one key indicator - 1 Grade point C 4) No indicator - 0-D
IV - USE OF INFRASTRUCTURE & LEARNING RESOURCES								
13	Physical facilities	Infrastructure facilities in the Department/Colleges a. Use of Digital Classrooms b. Use of Virtual Classroom c. Use of Lab/ E-Use of Library d. Smart usage e. Maintenance of Departmental Libraries	Log books related to usage	20	20	A	60	1) Any four key indicators - 4 Grade points A 2) Any three key indicators - 3 Grade points B 3) Any two key indicators - 2 Grade point C 4) Below two indicators - 0-D

S.No	Key Indicator	List of files/documents to be kept ready as a proof of Key Indicator	Information in support of the key indicator	Key Aspect Scores	Predetermined Weightage (W) for Key Indicator	Key Indicator Grade Points (KIGP) (A =3, B=2, C=1, D=0)	Key Indicator Weighted Grade Points (KIW-GP) = KIGP X W	KIW-GP as per Academic Advisor's grading	Guidelines
V- ROLE IN STUDENT SUPPORT AND PROGRESSION									
14	Student Support	1. Counseling of students as Mentor/ Class teacher a. Student Profile Collection b. Semester wise updation and maintenance. 2. Any other Study Material/Guidance a) Academic guidance for the advanced learner (offering suggestions/reference books) b) Handholding the slow learners (offering study material/question banks) 3. Guiding/Monitoring Students for CSP Internship 4. Organizing/Participation in Parent Teacher Meetings	Reports in the NAAC format	20 10 10 10	50	B	100		1) All Four key indicators =3 Grade points A 2) Any Three key indicators =2 Grade points B 3) Any Two key indicators =1 Grade point C 4) Below two=0 D
15	Student Progression	Report on Programme Course wise students' progression to a) Higher Education b) Employment c) Entrepreneurship	Reports in the NAAC format	10 10 10	30	B	60		1) All three key indicators =3 Grade points A 2) Any two key indicators =2 Grade points B 3) Any one key indicator =1 Grade point C 4) No Indicator =0 D
VI- ROLE IN INSTITUTIONAL GOVERNANCE									
16	Participation in Institutional Governance and Leadership	a) Contribution to Departmental Vision & Mission and Departmental Action Plan b) Participation in different institutional committees and preparation of committee reports c) Participation in different institutional activities that focus on value based education d) Contribution to IQAC/quality initiatives	Reports in the NAAC format	4x10	40	A	120		1) All four key indicators =3 Grade points A 2) Any Three key indicators =2 Grade points B 3) Any Two key indicators =1 Grade point C 4) Below two=0 D
VII - BEST PRACTICES									
17	Best Practices	Identification and Contribution to a) The Departmental Best practices b) Institutional Best practices	Reports in the NAAC format	20	20	A	60		1) All Two key indicators =3 Grade points A 2) Any one key indicator =2 Grade points B 3) No Indicator =0 D
Total Grade points					500		955		

Name & Signature of the Principal

Name & Signatures of the Academic advisors

P. Rave

PRINCIPAL

S.K.R. Government Degree College

RAJAMAHENDRAVARA

East Godavari Dist., Andhra Pradesh



1)
2)
3)

**SKR GOVERNMENT DEGREE COLLEGE (W)
RAJAMAHENDRAVARAM
DEPARTMENT OF BOTANY FACULTY PROFILES**



Name : Smt. M.Sridevi

Designation : Lecturer

Qualification: M.Sc.,B.Ed.,(Ph.D.)

Contact: 9640021718

Email: msdbotany@gmail.com

A.General Information :

- | | |
|-------------------------|--------------------------------|
| a) Name | : Smt. M.Sridevi |
| b) Date of Birth | : 03-08-1980 |
| c) Residential Address. | : Vynatheya Apt. Flat.No -G-22 |

Syamalanagar, Rajamahendravaram.

- d) Designation : Lecturer in Botany
e) Department : Botany
f) Area of Specialization. : Plant tissue culture and bio technology
g) Date of Appointment : 20-07-2004
i) In the Institution. : SKR College for women, Rajahmundry.
ii) In the Present Post. : Lecturer

B. Academic Qualification :

Exam.Passed	Board/ University	Subject	Year	Division/Grade. Merit
High School	Board of secondary Education	All	1995	Second
Higher Secondary or pre Degree	Board of Intermediate Education	Bi.P.C	1997	Second
Bachelor's Degree	Andhra University	BSC CBZ	2001	First
Master's Degree	Andhra University	MSC Botany	2004	Second
Research Degree(S)	Andhra University	Registered for P.hD. in the year 2018 at Andhra University	The research work is under progress and it will be completed soon.	
Other Diploma/Certificates	Andhra University	B.Ed.	2011	First

C) Research Experience & Training :Pursuing Ph.D. at Andhra University, Visakhapatnam. Research Work is Progressive, it will be Completed Shortly.

S . N o	Journal Name	Title	Link
1	SCOPUS- Journal of Pure and Applied Microbiology	Isolation and Categorization of Plant Growth Promoting Endophytic Bacteria Isolated from Halophytic Suaeda nigra at Salt Stress Area of Srikakulam, Andhra Pradesh - Journal of Pure and Applied Microbiology	https://microbiologyjournal.org/isolation-and-categorization-of-plant-growth-promoting-endophytic-bacteria-isolated-from-halophytic-suaeda-nigra-at-salt-stress-area-of-srikakulam-andhra-pradesh/
2	SCOPUS- Agricultural Science Digest	Screening and Isolation of Plant Growth Promoting, Halotolerant Endophytic Bacteria from Mangrove Plant <i>Avicennia officinalis</i> L. at Coastal Region of Corangi Andhra Pradesh	https://arccjournals.com/journal/agricultural-science-digest/D-5607
3	Infokara Research	<u>Important Medicinal plants of Dhanvanthari medicinal garden at SKR government Degree College, Rajamahendravaram to maintain sustainable health and well being</u>	https://infokara.com/index.php/volume-12-issue-3-2023//
4	International Journal of Current Science	Isolation and culturing of four pathogens causing diseases in banana crops at rajamahendravaram, east godavari district, ap, india.	https://drive.google.com/file/d/181ZNhevNzhqOqW2m2hkx7b36FLGY8bS/view?usp=share_link
5	SCOPUS - Journal of Applied and Natural Science	<u>Screening of salt tolerant endophytic bacteria with plant growth promoting characters isolated from <i>Acanthus ilicifolius</i> L., a species of mangrove ecosystem located at Corangi wildlife sanctuary, Andhra Pradesh</u>	https://doi.org/10.31018/jans.v15i2.4384

D) Research Projects carried out :

E) Details regarding refresher courses/orientation courses,

Seminars, Conferences, Symposia, Workshops etc., attended:

FDP's List

S.No	Date	Topic
1	19 th May to 23 rd May 2020	Participated in 5 days International Faculty Development programme on "Online teaching Tools for video Lecturing and Digital e-Learning" – Sir.CRR, Reddy College, Eluru.
2	27 th May to 28 th May 2020	Participated in 2 days International FDP Webinar on "Challenges and Opportunities in Higher Education in COVID 19 scenario. The way Forward" Organized by IQAC St. Joseph's College For Women, Visakhapatnam.
3	13 th July 17 th July 2020	Participated in 5 days International Faculty Development Programme in Botany theme on "New Frontiers in Emerging Technologies" Organized by Commissionerate of Collegiate Education, A.p, Vijayawada.
4	29 th November to 3 rd December 2022	Participated in 5 days National level online Faculty Development Programme on "Effective Pedagogy for Science" Organized by Department of Physics and Mathematics, JMJ College For Women (A), Tenali.
5	7 th December to 11 th December 2022	Participated in 5 days "Residential Training Programme on for Teachers" on content Delivery and Assessment Methods pertaining to skill courses for 1-semester TOT on Plant Nursery at AU HRDC Visakapatnam Organized by Commissionerate of Collegiate Education AP, Mangalagiri.
6	5 th January to 7 th January 2023	Participated in 3 days Training Programme on "Internship and LMS" held at Nodal Resource Center Rajamahendravaram.
7	19 th June 24 th June 2023	Participated in 6 days Training Programme on "English medium of instruction, proficiency in English" – Nodal Resource Center (NRC), Govt. College (A), Rajamahendravaram, Organized by Commissionerate of Collegiate Education AP, Mangalagiri
8	25 th June 2023	Participated in one day Faculty Development Programme on Research Paper Writing" organized by Department of Computer science and Commerce of Sri GCSR College".
9	24 th July to 28 th July 2023	Participated in FIVE DAY FDP on "RECENT ADVANCEMENTS IN ELECTRIC VEHICLE TECHNOLOGY" [RAEVT-2023] organized by the Department of Electrical & Electronics Engineering ,Basavarajeswari Group of Institutions , Ballari Institute of Technology & Management, Ballari-583104, Karnataka.

S.NO	Name of the Seminar /Conference/Symposia/Workshop etc.,	Name of the Sponsoring Agency	Place and Date
1	Workshop on Modern trends in Horticulture	UGC.	Govt.(A)Degree College, RJY. 05-March 2011
2	Inspire programme Internship Science Camp	DST-SEATS	SKR College for women ,RJY. 07June 2011 to 11 th June 2011
3	National Symposium Algae for Human welfare	UGC	PR Govt. College, Kakinada 19 th August 2015
4	One day workshop on " PLEDGE FOR PARATY – WE CAN DO IT"	IQAC	SKR College for women, RJY. On 8 th March 216
5	One day International Symposia on Cellular Stress	UGC	Govt. College(A),RJY. On 10 th August 2016
6	National Seminar on "Advances, Breakthroughs, Challenges, Developments in Foodomics – 2016"	UGC	Govt. College(A),RJY. On 10 th & 11 th November 2016
7	National Seminar on "Green Wealth for Global Health".	UGC	Dr.V.S.Krishna Govt. Degree & PG College, Visakhapatnam. On 15 th & 16 th February 2017
8	National Workshop on "Biomass to Bioenergy"	UGC	Govt. College(A), RJY. 20 th Dec.2017
9	National Workshop on "Foldscope – Assembly &Usage"	UGC	Govt. College(A),RJY. On 15 th November 2018
10	Workshop for Aspiring Women Entrepreneurs		SKR College for women, RJY. On 29 th Nov.2018
11	Biological Diversity and Biotechnology for Sustainable Environment	Organized by School of Life and Health Science	AdikaviNannayaUniversity, RJY. On 18 th – 19 th December 2018

12	"Chain of Support"	Organized by Gurajada Foundation (USA)	SKVT Degree College, RJY. On 16 th Feb. 2018
13	Regional Workshop On Skill Development	RUSA	SKR College for Women, RJY. On 12 th December 2019
14	Regional Level Seminar on Recent Advancements in Anti-Cancer Treatment (RAAT)	RUSA	SKR College for Women, RJY. On 19 th December 2019
15	Has participated in 5 days online "International FDP " On Online teaching tools for video Lecturing and digital e-Learning	IQAC	Sir CR Reddy College, Eluru . On 19 th May to 23 rd May 2020

Webinars List

S.No	Date	Topic
1	20 th May 2020	"Online Teaching Methods Post Covid -19" Organized by Department of Computer Science, Sri. Y.N. College.
2	21 st May 2020	National webinar on Research Methodology jointly organized by SVD.Government Degree College (W), Nidadavole and Khandesh Chapter of English Language Teachers association of India.
3	27 th May 2020	ONLINE LEARNING IN ELT- THE NEW NORMAL" organized by the department of English in Association with IQAC – Ch.S.D.St.Theresa's College For Women (A), Eluru.
4	30 th May 2020	"VACCINES – LIFE SAVING DROPS" organized by the department of Microbiology in Association with IQAC – Ch.S.D.St.Theresa's College For Women (A), Eluru.
5	2 nd June 2020	"Nutrition – Immune Booster to Fight Against Viral Infections" organized by the Department of Nutrition & Dietetics in Association with IQAC – Ch.S.D.St.Theresa's College For Women (A), Eluru.
6	4 th June 2020	International webinar on " Post Covid Challenges to Human Beings" through video Conference, organized by department of Botany, Microbiology & Horticulture- PR College Kakinada
7	8 th July 2021	State level Webinar on "Current Trends in Information Technology" Organized by the Department of Computer science, SKR College For

		Women, Rajamahendravaram.
8	4 th December 2021	National Webinar on Current Trends and Challenges in Plant Science: Plant – Human Interaction and Transforming our world, organized by the department of Botany, JMJ College For Women (A), Tenali
9	18 th November to 19 th November 2022	National Webinar on “Research Methodology” Organized by Department of Physical Sciences, Life sciences and Commerce in Association with IQAC, Sir C.R.Reddy College For Women, Eluru
10	13 th December to 17 th December 2022	Five Days International Webinar on Current Trends and Future Advances in Chemical Sciences & Life Sciences, organized by department of Chemistry and Botany, JMJ College for Women (A), Tenali.
11	23 rd February 2023	National Webinar on “Role Of Bio – Informatics in Cancer Diagnosis”, organized by IQAC & department of Zoology.
12	23 rd March 2023	National Webinar on “ Emerging Trends in Aquaculture” organized by Department of Zoology , SKR College For Women, Rajamahendravaram.
13	27 th March 2023	National Webinar on “ Discovery of Medicines” organized by Department of Chemistry , SKR College For Women,
14	28 th March 2023	National Webinar on “Empowering the Women Entrepreneurship in India” organized by Department of Economics , SKR College For Women,

Workshops list

S.No	Date	Topic
1	28 th May to 29 th May 2020	Online Workshop on “ RESEARCH METHODOLOGY “ Tuning Your Skills in Research Proposals, organized by Sri.Y.N.College (A).
2	27 th September 2022	One day National Workshop on “DIGITALISATION OF BANKING SECTOR” at Government Degree College, Seethanagaram, East Godavari Dist, AP.
3	6 th December 2022	One day Workshop on “ Latest Technologies” Conducted by Department of Computer Science SKVT GDC- RJY. This workshop was held under the ASVA INFOSOLUTIONS Pvt Ltd.

Training Programme

S.No	Date	Topic
1	28 th April 2023	Attended IP Awareness / Training Program Under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION, organized by Intellectual Property Office India.

Virtual talks

S.No	Date	Topic
1	17 th June 2020	Attended Virtual talk on " ENGLISH LANGUAGE TEACHNG PRACTICE" organized by Humanities & Social Sciences, College of Engineering, Andhra University.
2	5 th June 2020	Attended "World Environment day event endtitled Foster Biodiversity Nurture Nature" organized by the department of Botany, Adikavi Nannaya University.

F) Teaching Experience :

Courses Taught	Name of the University/ College/ Institution	Duration
U.G	S.K.R. College For Women, Rajamahendravaram	Since 2004 till the date
P.G		
M.Phil		

TOTAL Teaching Experience :

a) Under Graduate : 19 Years

b) Post Graduate :

G) Innovations/ Contributions in Teaching:

a) Designer Curriculum :

b) Teaching Methods : Lecture method, Charts, Models,
PPT's, Audiovisuls.

c) Laboratory Experiments : Experiments given in the manuals,
Demonstration and compile
aided techniques.

d) Evaluations Methods : Students Seminars, Assignments,
Periodic examinations

e) Preparation of Resource Material : Reference Books, Reading
material for UG

Including Books, Reading Materials:

F) Remedial Teaching/ Student
Counseling (Academic) : 1) Taking Remedial classes
slow learners
2) Also undertaking Students
Counselling in respect of their
academic matter

g) Any other : Counseling and guidance Session for students

explain the importance of leadership qualities and
Personality developments.

H) Extension Work/ Community :

a) Please give a short account of :

Your contribution to

i) Community work such as : Midday meal arrangement for

One day in a year

Values of National Integration

Secularism, Democracy, Socialism,

Humanism, Peace, Scientific temper,

Flood or Drought Relief, Small family

Norms

ii) National Literacy Mission :

b) Positions held/Leadership role : Participated as presiding

Played in organizations linked officer in election of

With extension work and National Municipal, Assembly and

Service Scheme (NSS) or NCC or Parliamentary elections.

Any other activity

I) Participation in Corporate Life :

Please give a short account of your contribution to

a) College /University/ Institution :

b) Co-Curricular Activities : Always taking a leading role in the organisation of Seminars, GDs, Debates, Quiz, Elocution, Guest Lectures, Field Visits,

c) Enrichment of Campus Life. : Member of Science Association

Member of Examination committee

d) Students Welfare and Discipline : Always taking genuine interest in the problems of the students.

Students discipline is ensured by checking their dress code, punctuality, regularity to the classes and whether the students are adhering to the colleges by-laws

e) Membership/ Participation in Bodies/ : Member of Students union

Committees on Education and Alumni Association

National Development. Calender Committee

Hostel advisory committee

Time table committee

f) Professional Organization of Teachers : Paper Valuation

. Dr.B.R.Ambedkar Open University Examiner 2009

. Andhra University Theory and Practical Examiner

. Adikavinannaya University Theory and Practical Examiner in

c) Suggestions for Improvement :

- (1) Providing leave facility for Ph.D. Research work.
- (2) Establishment of central research lab of multidisciplinary nature


Signature of the Lecturer

PROFORMA FOR ANNUAL CURRICULAR PLAN (Department of Botany): 2022-2023

Name of the college: S.K.R. Government Degree College (W), Rajamahendravaram

Name of the Department: Botany

Class & Group : B.Sc BZC

Name of the Lecturers: Smt.M.Sridevi , Kum.P.Sridevi, Smt.T.Nagamuni

Month	Paper	Hours available	Syllabus topic	Additional Input/Value addition to be provided /taught	Curricular Activity				Co-Curricular Activity				Remarks
					Activity to be conducted	Hours allotted	Whether conducted	If not alternate Dt	Activity to be conducted	Hours allotted	Whether conducted	If not alternate Dt	
November	I	16	Origin of life, concept of primary, abio- genesis, discovery of microorganisms, special group of bacteria, eubacteria. General characters of fungi.	Observing the disease parts in plants.	Assignment	1hour	Yes		Dheeksharamabam 1 hour per for 15 days taken	15 hours	Yes		
	SD	08	Plant Nursery- Definition and importance, different types of nurseries. Basic facilities for a nursery. Plant propagation structure. Bureau of Indian standards related to plant nursery.	Observing Local nurseries .	Student Seminar	1 hour	Yes		Field trip to Kadium Nurseries	half day	Yes		
	III	17	Anatomy of angiosperms, apical meristem tissue system, embryology of angiosperms- structure of anther.	Somatic embryogenesis	Assignment	1hour	Yes		Filed trip to Coranga - Wild life sanctuary	1 day	Yes		
	VI C	05	Basic concepts of Plant Tissue Culture. Plant Tissue Culture - Scope & Significance, Totipotency, types of cultures. Sterilization techniques and culture media.	Identify various facilities required to set up a plant tissue culture laboratory	Student Seminar	1hour	Yes						
	VII C	04	Introduction and value of Mushrooms - Morphological features of any 4 edible mushrooms - Button mushroom, Milky mushroom, oyster mushroom and Paddy straw mushroom. Nutraceutical value of mushroom.	Identify the basic infrastructure to establish a mushroom culture unit.	Student Seminar	1 hour	Yes		Cultivation of Milky Mushroom by students at Botany lab	Per day 1hour	Yes		

ANNUAL CURRICULAR PLAN (BOTANY DEPARTMENT) 2022-23

Š.K.R.Government Degree College (W) Rajamahendravaram

CLASS & GROUP: I, II,III B.Sc CBZ

NAME OF THE LECTURERS: Mrs. M.Sri Devi, Ms. P.Sri Devi, Mrs.T.Naga Muni

Month	Paper	Hours available	Syllabus Topic	Additional input/Value addition to be provided/taught	Curricular Activity				Co-Curricular Activity				Remarks
					Activity to be conducted	Hours allotted	Whether Conducted	If not alternate date	Activity to be conducted	Hours allotted	Whether Conducted	If not alternate date	
April	II	12	Pteridophyta: General characters Lycopodium. Gymnosperms :general characters cycas. Basic taxonomy ;Aim scope of taxonomy Plant taxonomy: Nomenclature	Fossil gymnosperms, Engr & Prantl System of Classification	Assignment	1 hour			quiz	1 hour	Yes		
	IV A	13	Physiology: physical properties of water,mineral nutrition,photosynthesis,pigments,light reaction	Role of PSI &PSII imp of C4 plants in photosynthesis	Assignment	1 hour			Value Added course-natural farming in Rythu sadhikara samstha (RYSS)	40 hours			
	IVB	13	Cell theory,Ultra structure of plant cell, cell wall plasma membrane,plastids, chloroplasts,plastid DNA	Cell division - Mitosis in Root tips of Onion bulbs & Meiosis in Onion flower buds.	Assignment	1 hour							
	III B.Sc	--	--	--	Internship	--	--	--					
	II	05	Pteridophyta :Marselia,Stelar evolutionGymnosperms:Gnetum ,Geological timescale Taxonomy:Herbarium,B&H Classification, Annonaceae,Cucurbitaceae	Selaginella life history Herbarium Collection	Assignment	1 hour							
	IVA	04	Macromicro nutrients Classification of enzymes Nitrogen fixation	Growth hormones& Collection of podded plants and showing root nodules.	Assignment	1 hour							

May	IVB	03	Chromosomes: Euchromatin heterochromatin Chromosomal structure numerical changes Organization of DNA in Chromosome	rDNA technology, Models of Nucleic Acids	Student Seminar	1 hour							
	III B.Sc	--	--	--	Internship	--	--	--	--	--	--	--	--
June	II	16	Pteridophyta :Heterospory seed habit Gymnosperms: Cycadeoidea. Taxonomy: Asteraceae, Asclipidaceae, Amaranthaceae, Euphorbiaceae	Dry Flower bouquet preparation Bentham and hooker classification	Student Seminar	1 hour			Field visit to Mushroom cultivation	1 day			
	IV A	16	Physiology: Enzymes, Photo respiration, Lipid metabolism, Growth & Development	Germinated seeds of Chanadal. Glycolysis	Assignment	1 hour			Peer teaching	1 hour			
	IV B	16	Mendal's laws of inheritance, Linkage and crossing over Watson and Crick model of DNA	Transformation Models of DNA	Student Seminar	1 hour			Peer teaching	1 hour			
	III B.Sc	--	--	--	Internship	--	--	--	--	--	--	--	--
July	II	15	Taxonomy : Areaceae & Poaceae APG IV Phytogeography : Endemism World & India & A.P	Herbarium Collection Mapping	Assignment	1 hour			Herbal Garden Upgradation	1 hour			
	IV A	16	Physiology : Translocation of organic solution, Phytohormones Photoperiodism & Harvesting	Water potential IAA, 2,4-D (Weedicide)	Student Seminar	1 hour							
	IV B	16	Plant Breeding and its scope Pure line selection and Clonal selection Hybridization	DNA markers, Tissue Culture Instruments	Assignment	1 hour			Herbal Garden Upgradation	1 hour			
	III B.Sc	--	--	--	Internship	--	--	--	--	--	--	--	--


SIGNATURE OF THE INCHARGE


SIGNATURE OF THE PRINCIPAL
PRINCIPAL
S.K.R. Government Degree College (Womens)
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh



S.K.R. GOVERNMENT DEGREE COLLEGE(WOMEN)
RAJAMAHENDRAVARAM(Estd.1968)

(Re-Accredited at B+Grade by NAAC, Affiliated to Adkavi Narsayya University)



DEPARTMENT OF BOTANY
PROGRAMME OUTCOMES - 2022-2023

Programme Objectives and Outcomes

1. Objectives:

- To provide a comprehensive knowledge on various aspects related to microbes and plants.
- To deliver knowledge on latest development in the field of plant sciences with a practical approach.
- To produce a student who thinks independently, critically and discuss various aspect of plant life.
- To enable the graduate to prepare and pass through National and international examination related to botany.
- To empower the student to become an employee or an entrepreneur in the field of Botany/biology and to serve the nation.

2. Outcomes:

- Understand the basic concepts of Botany in relation to its allied core courses.
- Perceive the significance of microbes and plants for human welfare, construction and functional aspects of plants.
- Demonstrate simple experiments related to plant sciences, analyse data and interrupt them with the theoretical knowledge.
- Work in teams with enhanced interpersonal skills.
- Develop the critical thinking with scientific temper.
- Effectively communicate scientific Ideas both orally and writing.

B.Sc - CBZ



S.K.R. GOVERNMENT DEGREE COLLEGE(WOMEN)
RAJAMAHENDRAVARAM(Estd.1968)


(Re-Accredited at B+Grade by NAAC, Affiliated to Adikavi Nannayya University)



DEPARTMENT OF BOTANY
COURSE OUTCOMES - 2022-2023

SEM	NAME OF THE COURSE	COURSE OUT COMES
Sem - 1	Fundamentals of Microbes and Non Vascular Plants	<p>On successful completion of this practical course, student shall be able to:</p> <ul style="list-style-type: none">• Demonstrate the techniques of use of lab equipment, preparing slides and identify the material draw diagrams exactly as it appears.• Observe the identify microbes and lower groups of plants on their own.• Demonstrate the techniques of inoculation, preparation of media etc.• Identify the material in the permanent slides etc.
Sem - 2	Basics of Vascular plants and Phyto geography	<p>On Successful completion of this course students shall be able to:</p> <ul style="list-style-type: none">• Demonstrate the techniques of section cutting, plastic preparing slides, identifying of the material under drawing exact figures.• Compare and contrast the morphological, anatomical and reproductive features of vascular plants.• Identify the local angiosperms of the families prescribed to their genus and a species level and prepare herbarium.• Exhibit skills of preparing slides, identifying the given twigs in the lab and drawing figures of plant twigs, flowers and floral diagrams as they are.• Prepare and preserve specimens of local wild plants using herbarium technique.
Sem - 3	Anatomy and Embryology of Angiosperms, Plant Ecology and Biodiversity	<p>On successful completion of this course student shall be able to:</p> <ul style="list-style-type: none">• Get familiarized with techniques of section making, staining and microscopic study of vegetative, anatomical and reproductive structure of plants• Observe externally and under microscope identify and draw exact diagrams of the material in the tab.• Demonstrate application of methods in plant ecology and conservation of biodiversity and qualitative and quantitative aspects related to population and communities of plants.

		<ul style="list-style-type: none"> • Demonstrate skills preparation of compost and spawn. • Acquire a critical knowledge on cultivation of some edible mushrooms. • Explain the methods of storage preparation of value added products and marketing.
Sem -6	Internship	<ul style="list-style-type: none"> • Explore career alternatives prior to graduation. • Integrate theory and practice. • Assess interests and abilities in their field of study. • Learn to appreciate work and its function in the economy. • Develop work habits and attitudes necessary for job success. • Develop communication, interpersonal and other critical skills in the job interview process. • Build a record of work experience. • Acquire employment contacts leading directly to a full-time job following graduation from college. • Identify, write down, and carry out performance objectives (mutually agreed upon by the employer, the MCC experiential learning supervisor, and the student) related to their job assignment.


 Signature of the HOD
 Department
BOTANY
 S.K.R. Government Degree College (W)
 RAJAMAHENDRAVARAM,
 East Godavari Dist., Andhra Pradesh




PRINCIPAL
 S.K.R. Government Degree College (Women)
 RAJAMAHENDRAVARAM,
 East Godavari Dist., Andhra Pradesh

ANNUAL CURRICULAR PLAN

Name of the College : SKR GDC (W)


Name of the Lecturer : H. SRIDEVI

Class : BSc CB2

Year : II

Paper : III

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided / taught	Curricular Activity				Co - Curricular Activity				Remarks
						Activity Conducted	Hours allotted	Whether conducted	if not, alternate date	Activity Conducted	Hours allotted	Whether conducted	if not, alternate date	
3	NOV	4	8	*Tissue systems Epidermal, ground and vascular. * Anomalous Secondary growth in Boerhaavia - via and Dracaena. * Study of timbers of economic importance Teak wood Red sanders wood and Rose wood.	Examples Specimen chart Slides & plants	Question & Answers Assignment	1 1	Yes Yes	- -	Field Trip 1 day Yes	- -			


Signature of the Lecturer


Signature of the Department In-Charge


Signature of the Principal

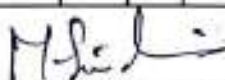
ANNUAL CURRICULAR PLAN

Name of the College : SKRGDC (w)

Name of the Lecturer : M. SRIDEVI

Class : II BSc CBZ Year : II year IV Sem Paper : IV A

S. No.	Month	Week	Hours Available	Syllabus Topic	Additional Input / Value Addition Provided / taught	Curricular Activity				Co - Curricular Activity				Remarks
						Activity Conducted	Hours allotted	Whether conducted	if not, alternate date	Activity Conducted	Hours allotted	Whether conducted	if not, alternate date	
	June	1	2	photorespiration C ₂ path way	Examples for symbiotic and Symbiotic Nitrogen fixing organisms									
2		2	Nitrogen metabolism Biological nitrogen fixation.	Assignment		1	yes	-	World environment Day celebration	5 days	yes	-	-	
3		2	Lipid metabolism Classification of plant lipids							Green Audit Survey	30 days daily one hour	yes		
4		2	saturated and unsaturated fatty acids.											


Signature of the Lecturer


Signature of the Department In-Charge


Signature of the Principal

TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject: Botany

Name of the Lecturer: Smt. H. Sridevi

Month & Year: NOVEMBER 2023

S. No.	Date	Day	Class	Period / Time	Lesson	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
1	31 st Oct	Mon	II BSc	5th	En	Theory	Organisation of apical meristem	Lecture	16	Black board	Q & A	-
2	01 st Nov	Tues	-	-	-	-	Departmental work	-	-	-	-	-
3	2 nd Nov	Wed	II BSc	1st	En	Theory	Theories on root apex	Lecture	21	Blackboard	Q & A	-
4	3 rd Nov	Thurs	II BSc	2-3	En	Practical	Root apex and shoot apex	demonstrate	20	Record book	Record book	-
5	4 th Nov	Fri	II BSc	3	En	Theory	Bridge Course	Lecture	40	Blackboard & chalk	Q & A	-
6	5 th Nov	Satur	II BSc	2-3	En	Practical	Tissues	demonstrate	22	Slides	Record book	-
7	6 th Nov	Sun	II BSc	6	En	SD	Introduction	Lecture	38	Blackboard & chalk	Q & A	-
8	7 th Nov	Mon	II BSc	5th	En	Theory	Casual leave	-	-	-	-	-
9	8 th Nov	Tues	II BSc	2-3	En	Theory	Syllabus - Anatomy	Lecture	38	slides	Q & A	-
10	9 th Nov	Wed	II BSc	1st	En	Theory	Tissues - Epidermal tissue system	Lecture	45	Slides	Q & A	-
11	10 th Nov	Thurs	II BSc	2-3	En	Practical	Apical meristem - Root & shoot apex	demonstrate	21	onion roots, paraffin slides	Record book	-
12	11 th Nov	Fri	II BSc	08am	En	Theory	Epidermal tissue system	Lecture	44	Blackboard & chalk	Q & A	CL - absent
13	12 th Nov	Sat	II BSc	3	En	Theory	Bryophyta Introduction	Lecture	40	Blackboard & chalk	Q & A	-
14	13 th Nov	Sun	II BSc	5th	En	Theory	Ground tissue system	Lecture	41	Blackboard & chalk	Q & A	-
15	14 th Nov	Mon	II BSc	2-3	En	Practical	CL	-	-	-	-	-
16	15 th Nov	Tues	II BSc	2-3	En	Practical	Anomalous secondary growth	-	40	-	-	-
17	16 th Nov	Wed	II BSc	2-3	En	Practical	Anomalous secondary growth in	demonstrate	23	Boerhaavia stem	section cutting, Record book	-
18	17 th Nov	Thurs	II BSc	3	En	Theory	Suspended	-	-	-	-	-
19	18 th Nov	Fri	II BSc	6	En	SD	Suspended	-	-	-	-	-
20	19 th Nov	Sat	-	-	-	-	-	-	-	-	-	-
21	20 th Nov	Sun	II BSc	3	En	Theory	Tissue culture - Introduction	Lecture	30	Blackboard & chalk	Q & A	-
22	21 st Nov	Mon	II BSc	5	En	Theory	Anomalous secondary growth Diagram	Lecture	45	Dracaena stem	Dracaena Diagram	-
23	22 nd Nov	Tues	II BSc	1	En	Theory	Equipment for Laboratory	Lecture	33	photographs	Q & A	-
24	23 rd Nov	Wed	II BSc	2-3	En	Practical	Microbiology Laboratory equipment	demonstrate	34	Microbiology equipment	Record book	-
25	24 th Nov	Thurs	II BSc	4-6	En	Practical	Mushroom cultivation - Introduction	demonstrate	17	Blackboard & chalk	Record book	-
26	25 th Nov	Fri	II BSc	1	En	Theory	Study of timbers of Economic Import	Lecture	51	local timber plant	Assignment / Seminar	-
27	26 th Nov	Sat	II BSc	2	En	Theory	Tissue culture technique	Lecture	32	Blackboard & chalk	Q & A	-
28	27 th Nov	Sun	II BSc	6	En	Theory	Importance of plant nursery	Lecture	33	Blackboard & chalk	Q & A	-
29	28 th Nov	Mon	II BSc	2-3	En	Practical	Dracaena stem section cutting	demonstrate	25	Dracaena plant material	Record book	-
30	29 th Nov	Tues	II BSc	4-6	En	Practical	Laboratory equipment	demonstrate	37	equipment	Record book	-
31	30 th Nov	Wed	II BSc	3	En	Theory	General character of fungus	Lecture	33	Blackboard & chalk	Q & A	-
32	01 st Dec	Thurs	II BSc	1-6	En	-	Field Trip - Coringa	-	55	-	-	-
33	02 nd Dec	Fri	II BSc	3	En	Theory	MS - Media	Lecture	31	Blackboard & chalk	Q & A	-
34	03 rd Dec	Sat	II BSc	5	En	Theory	Timber yielding plants	Lecture	51	Blackboard & chalk	Seminar	-

Signature of the Lecturer

Signature of the Department In-Charge

Signature of the Principal

TEACHING DIARY FOR THE YEAR 2022 - 2023

Name of the Department / Subject: Botany

Month & Year: July

Name of the Lecturer: M. Sridevi

S. No.	Date	Day	Class	Period / Time	Week	Theory / Practical	Topic Covered	Methodology Adopted	No. of Students attended	Teaching Aids Used	Student Activity Conducted	Remarks
05/07	Wed		IBSc	3	EM	Theory	Demonis of Transpiration	Study hour	38	Study material	Q & A	
06/07	Tues		IBSc	2	EM	Theory	Linkage	Lecture	41	Black board & chalk	Q & A	
			IBSc	5-6	EM	Practical	Gene expression - problems	Demonstrat	21	Record & Expt. chart	Record work	
07/07	Friday		IBSc	3	EM	Theory	Cucurbitaceae family	Demonstrat	49	Black board & Chalk chart	Q & A	
08/07	Sat						Second Saturday Holiday					
09/07	Sun						Sunday Holiday					
10/07	Mon		IBSc	2	EM	Theory	Growth hormones and its Regulating	Lecture	36	Black board & chalk	Q & A	
			IBSc	5-6	EM	practical	Micro & Macro elements	Demonstrat	25	photography & Record	Q & A	
			IBSc	10	EM	Theory	Growth hormones	Lecture	36	Black board & chalk	Q & A	
11/07	Tues		IBSc	2-3	EM	practical	Cucurbitaceae family	Demonstrat	17	Twigs & chart	Record work	
			IBSc	5-6	EM	practical	Ascent of sap, osmosis	study hour	20	Expt. chart	Record work	
12/07	Wed		IBSc	3	EM	Theory	plant Growth hormones	Lecture	37	Black board & chalk	Q & A	
13/07	Thurs		IBSc	2	EM	Theory	Glycolytic cycle	Lecture	21	Black board & chalk	Q & A	
			IBSc	5-6	EM	practical	Hybridization	Demonstrat	10	Manuals	Record work	
14/07	Friday		IBSc	3	EM	Theory	Benthian hooker classification	Lecture	40	Black board & chalk	Q & A	
15/07	Sat		IBSc	3	EM	Theory	maternal inheritance	Lecture	26	Black board & chalk	Q & A	
			IBSc	5	EM	Theory	Asclepiadaceae family	Lecture	23	Twigs	Q & A	
16/07	Sun						Sunday Holiday					
17/07	Mon		IBSc	2	EM	Theory	G ₂ and C ₂ cycles	Study hour	41	Black board & chalk	Q & A	
			IBSc	5-6	EM	practical	Record work & Certificate	Revision	19	Record	Record Certificate	
18/07	Tues		IBSc	2-3	EM	practical	eyes leaflet section cutting	Demonstrat	23	Cycos leaflets	Record work	
			IBSc	5-6	EM	practical	Record Certificate	Revision	19	Record work	Record Certificate	
19/07	Wed						On Duty - Practical	Examinar				in konnara GDC
20/07	Thurs		IBSc	2	EM	Theory	Regulation of gene expression	Lecture	37	Black board & chalk	Q & A	
			IBSc	5-6	EM	practical	Model Exam - 2 parts	Demonstrat	05	Black board & chalk	Record work	
21/07	Fri		IBSc	3	EM	Theory	Asteraceae family	Lecture	39	Twigs, chart & Blotting	Q & A	
22/07	Sat		IBSc	3	EM	Theory	Three point test cross	Lecture	41	Black board & chalk	Q & A	
			IBSc	5	EM	Theory	Asteraceae family & Euphorbiaceae	Lecture	32	Twigs & chart	Q & A	
23/07	Sun						Sunday Holiday					
24/07	Mon		IBSc	2	EM	Theory	public practical Exams	Exam	58			
			IBSc	5	EM	practical	public practical Exams	Exam	58			
			IBSc	6	EM	practical	public practical Exams	Exam	58			

M. Sridevi
Signature of the Lecturer

M. Sridevi
Signature of the Department In-Charge

[Signature]
Signature of the Principal

TEACHING PLAN (SYNOPSIS)

Month: November

Subject: Botany

TOPIC: Anatomy of Angiosperms Paper: III

Hours Required	3
Learning Objectives	Anomalous Secondary growth.
Previous Knowledge to be reminded	Tissue systems
Topic Synopsis	Boerhaavia and Dracaena Anomalous secondary growth
<p><u>Anomalous Secondary growth in Boerhaavia stem:-</u></p> <p>Boerhaavia belongs to nyctaginace family. The primary structure of the stem can be divided into epidermis, cortex and stele.</p> <p>① <u>Epidermis</u>:- It is outermost layer. This is uniseriate with multiseriate hairs. The stomata and cuticle is present over the epidermis.</p> <p>② <u>Cortex</u>:- cortex is present below the epidermis 1. hypodermis 2. general cortex and 3. endodermis</p> <p>③ <u>Stele</u>:- The outer most layer of the stele is pericycle. The vascular bundles are conjoint, collateral, ranch and open. The vascular bundles are arranged in three rings.</p> <p><u>Anomalous Secondary growth</u>:- Anomalous secondary growth occurring in the stem. Later another cambial ring is formed on its outer side. This is formed from the secondary parenchyma produced by the activity of the intraxillary cambium, pericycle that present outside to the phloem. Due to this activity vascular bundles are formed.</p>	
Thrust areas	Boerhaavia and Dracaena Anomalous Secondary growth
Skill to be learnt by Student	Learning skill and
Examples/illustrations	Boerhaavia & Dracaena stem section drawings
Additional Inputs	Bignonia Anomalous secondary growth.

Teaching Models used	Lecture and Demonstration
Teaching Aids used	Black board & Chalk, Text book.
References cited	Anatomy of Flowering plants: An Introduction to Structure and development by Paula T. Kubell.
Student Activity planned after the teaching	Question & Answer, Assignment
Activity planned outside classes	Field Trip - Coringa wild life sanctuary
Any other	—

Anomalous secondary growth in dracaena stem:-



Normally secondary growth does not occur in monocotyledons due to the absence of cambium in their vascular bundles. But secondary growth is known as Anomalous secondary growth. They are 3 types they are

- ① Epidermis
- ② Cortex
- ③ Ground tissue and vascular bundles

① Epidermis:- It is made up of several cells arranged uniseriately. Thin cuticle is present over the epidermal cells.

② Cortex:- Between the epidermis and the primary vascular bundles are present several rows of parenchyma. This is known as cortex.

③ Ground tissue and vascular bundles:- The region b/w primary vascular bundles and the secondary vascular bundles and the central part of stem is known as ground tissue. The vascular bundles are scattered irregularly in it. The vascular bundles are collateral or fused.

Anomalous secondary growth:- The vascular cambium is differentiated from the cortical parenchyma present outside the primary vascular bundles. Cambium is more number of cells on the inner side. The vascular bundles are amphivasal or collateral structure.

Distinguishing features of dracaena stem

- ① formation of cambium.
- ② secondary cortex, secondary vascular bundles are formed.
- ③ cork cambium is formed.

Principal: M. S. J. Incharge: M. S. J. Lecturer: M. S. J.

TEACHING PLAN (SYNOPSIS)

Month: April

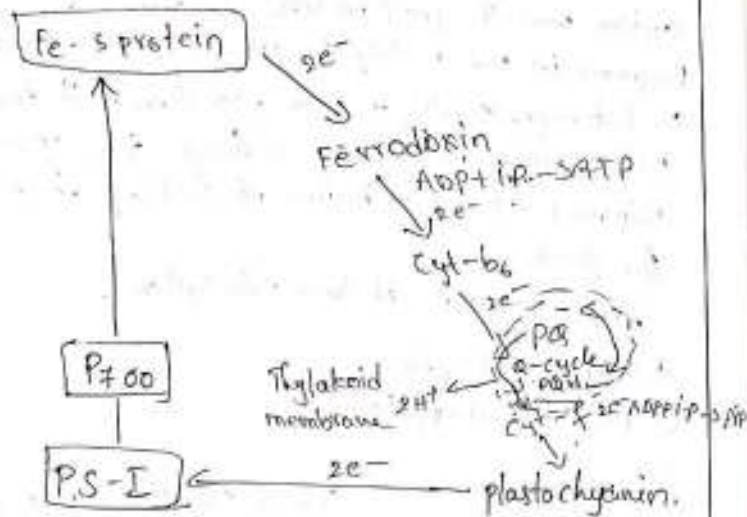
Subject: Botany

TOPIC: photosynthesis

Paper: IV (A) plant physiology

Hours Required	4
Learning Objectives	photophosphorylation (Light Reaction)
Previous Knowledge to be reminded	Respiration
Topic Synopsis	The conversion of ADP to ATP using the sunlight

1. cyclic photophosphorylation:-

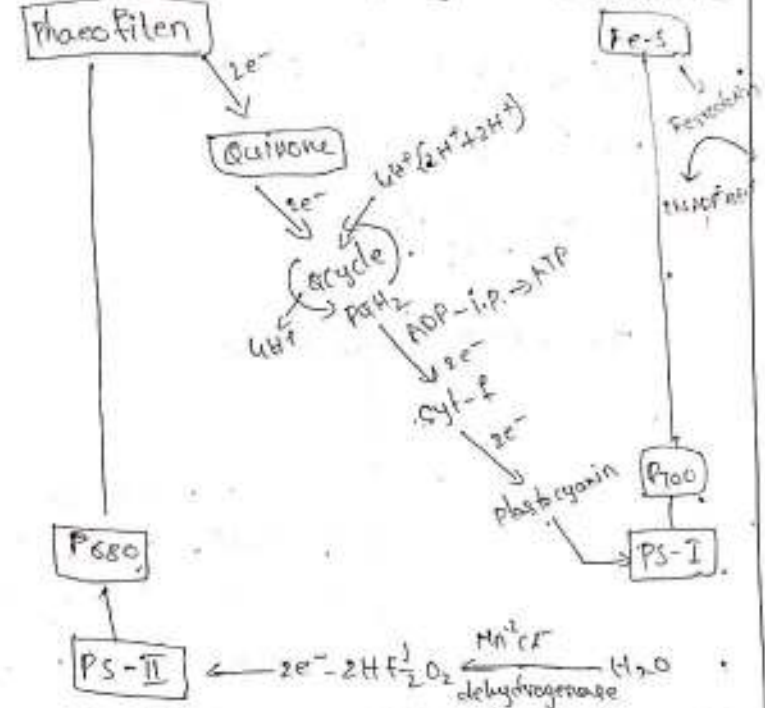


- One ATP is synthesised in the electron transfer from ferredoxin to cytochrome b6.
- One ATP is synthesised in the electron transfer from plastoquinone to cytochrome -f.
- In a cyclic photophosphorylation 2 ATPs are formed.

Thrust areas	photophosphorylation
Skill to be learnt by Student	listening skills, learning skills
Examples/Illustrations	cyclic & non-cyclic photophosphorylation
Additional Inputs	Oxygenic photophosphorylation is carried out by cyanobacteria and algae.

Teaching Models used	Lecture & explanation
Teaching Aids used	Blackboard & chalk, text book.
References cited	Plant physiology and metabolism.
Student Activity planned after the teaching	Question and Answer
Activity planned outside classes	—
Any other	—

2. Non cyclic photo phosphorylation or Z scheme.



In the presence of light the electrons of PS-II and PS-I in the chloroplast transfer through various electron's carrier and does not reach the pigment system; this is known as non-cyclic photophosphorylation.

P.P. Principal
 M.L. Incharge
 M.L. Lecturer



**S.K.R GOVERNMENT DEGREE COLLEGE (W)
RAJAMAHENDRAVARAM**

*Re - Accredited at B - Grade by NAAC
Affiliated to Adikavi Nannaya University, Rajamahendravaram 533103,
East Godavari District, Andhra Pradesh*

DEPARTMENT OF BOTANY

**CERTIFICATE COURSE
ON
MUSHROOM CULTIVATION
2022 - 2023**



**COURSE CO - ORDINATOR
Mrs. M. SRI DEVI, M.Sc., B.Ed., (Ph.D)
INCHARGE OF THE BOTANY DEPARTMENT**

Rajamahendravaram

27 - 12 - 2022

To

The Principal,

S.K.R. Govt. Degree College (W),

Rajamahendravaram,

Respected Madam,

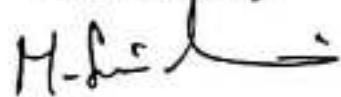
SUB : Permission to conduct Certification Course Reg.,

I M. Sri Devi In-charge of the Botany Department planned to conduct a certificate course for III BSC (CBZ) Students on 02 - 01-2023 to 28- 02-2023 i.e., 2 months course on Mushroom cultivation. So please kindly give permission to conduct certificate course.

Thanking you madam,



Yours faithfully



(M.SRIDEVI)

In-Charge of the
Botany Department

MINUTES OF THE MEETING

The department of Botany staff held a meeting on 27 – 12 – 2023 and passed a resolution organize certificate course that on “ MUSHROOM CULTIVATION” under the guidelines of Mrs. M. Sri Devi and S. Sri Lakshmi (Mushroom Industry Proprietor) for 40 hours.

The certificate course was organized from 02 - 01-2023 to 27- 02-2023 for the academic year 2022 -2023 to the III B.Sc BZC students under curriculum enrichment programme.



Signature of the course Co-ordinator



Signature of the Principal

A BRIEF REPORT

I M. Sri Devi In-Charge of the Botany Department , S.K.R. Govt. Degree College (W), Rajamahendravaram here with submit a brief report on certificate course done by the Department of Botany.

The department of Botany met the principal to discuss the implement of certificate course in Botany.

In the schedule the meeting course syllabus along with course objectives were tabled after the approval a circular was sent to all the final years.

Interested students registered their names and appeared for the entry level test.

70 students appeared for the entry test out of which 40 students were selected. The certificate course duration is 40 hours. The course was held from 02 - 01-2023 to 27- 02-2023. After the completion of the course exist exam was conducted on 04- 03-2023.

The results was published. Successful candidates were presented certificate by the principal on 06-03-2023.

M.Sridevi

In-Charge of the Botany Department



**SKR GOVERNMENT DEGREE COLLEGE (WOMEN)
RAJAMAHENDRAVARAM
DEPARTMENT OF BOTANY
CERTIFICATE COURSE
MUSHROOM CULTIVATION - 2022-2023
SYLLABUS**

- ❖ Introduction
- ❖ Growing Mushrooms
- ❖ Choosing a Mushroom Species
- ❖ Species for Beginners
- ❖ Pest Management
- ❖ Marketing Mushrooms
- ❖ Financial Analysis
- ❖ Further Resources
- ❖ Conclusion
- ❖ References
- ❖ Appendix
- ❖ Resources
- ❖ Spawn and Equipment Suppliers

Learning Objectives:

Students will get knowledge on Nutrient values of mushrooms, cultivation process of Mushrooms and economic importance of mushrooms.

Learning Outcomes:

- Understand the structure and life of a mushroom and discriminate edible and poisonous mushrooms
- Get knowledge on cultivation process of Mushrooms.
- Structure of spawn.
- Improved business skills.
- Can create interest on Healthy & Nutritious food.
- To provide detailed hands on training on mushroom cultivation, packaging and marketing.
- To develop a business plan on mushroom cultivation.

**S.K. R. GOVERNMENT DEGREE COLLEGE (W),
RAJAMAHENDRAVARAM
DEPARTMENT OF BOTANY
CERTIFICATE COURSE
EXAM ON MUSHROOM CULTIVATION**

Date :04-03-2023
Class: III B.Sc CBZ

Time: 1 hour
Max Marks: 20

STUDENTS LIST

S.NO.	REGD. NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
1	200907110087	A.KEERTHANA	A.Keerthana
2	200907110097	CH.VARALAKSHMI	Ch. Vara Lakshmi
3	200907110099	CH. SRI LAKSHMI	Ch. Sri Lakshmi
4	200907110104	CH. HIMA DEEPIKA	Ch. Himadeepika
5	200907110105	CH. LAKSHMI KALYANI	Ch. Lakshmi Kalyani
6	200907110110	E. TEJA SRI	E. Teja Sharan
7	200907110116	J. SHARON ROJA	J. Sharon Roja
8	200907110117	J. PRATHYUSHA	J. Prathyusha
9	200907110118	K. LAHARI	K. Lahari
10	200907110119	K. BHAVANI	K. Bhavani
11	200907110127	K. SRAVANI	K. Sravani
12	200907110130	M. DURGA SRIHITHA	M. Durga Srihitha
13	200907110131	M.NIHARIKA	M. Niharika
14	200907110141	P.ARUNA	P. Aruna
15	200907110142	P.MEGHANA REDDY	P. Meghana Reddy
16	200907110143	P. CHANDINI	P. Chandini
17	200907110145	P.KUSUMA BHARGAVI	P. Kusuma Bhargavi
18	200907110146	P.BHARATHI LUCKY	P. Bharathi Lucky

19	200907110147	P. MOUNIKA	P. Mounika
20	200907110151	P.POSIVENI	P. Posiveni
21	200907110152	P. SUNITHA	P. Sunitha
22	200907110153	M. PRIYANKA	m. Priyanka
23	200907110154	S. POSAMMA	S. pasamma
24	200907110155	S. DEVI ALEKHYA	S. Devi Alekhya
25	200907110156	S. MERRY KUMARI	S. Merry Kumari
26	200907110157	S. NEERAJA DEVI	S. Neeraja Devi
27	200907110158	S. BHARGAVI	S. Bhargavi
28	200907110159	S. VENKATA LAKSHMI	S. Venkata Lakshmi
29	200907110160	S. VANDANA SAI	S. Vandana Sai
30	200907110162	S. SURYA TEJASRI	S. Surya Tejasri
31	200907110164	T. SNEHA BHARATHI	T. Sneha Bharathi
32	200907110165	T. KAVYANJALI	T. Kavyanjali
33	200907110166	T. RANJITHA	T. Ranjitha
34	200907110167	T. SANDHYA RANI	T. Sandhya Rani
35	200907110168	V. HARIKA	V. Harika
36	200907110169	V. MADHURIMA	V. Madhurima
37	200907110170	V.V.V.ANANTHA LAKSHMI	V.V.V. Anantha Lakshmi
38	200907110171	V.AMANI	V. Amani
39	200907110172	V.PRANITHA	V. Pranitha
40	200907110173	T.SRAVANTHI	T. Sravanthi

P. Sri Devi
Signature of the Invigilator

M. L. L. L.
Signature of the In-charge
Head of the Department
BOTANY
S.K.R. Government Degree College (W)
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh



S.K.R GOVT. DEGREE COLLEGE(W)



RAJAMAHENDRAVARAM

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Affiliated to Adikavi Nannaya University, Rajamahendravaram 533103,
E.G. District, Andhra Pradesh

DEPARTMENT OF BOTANY 2022-23

CERTIFICATE COURSE ON MUSHROOM CULTIVATION

This is to certify that

Kum. Ch. Aparna

Of 3rd B.Sc CBZ has participated in certificate course in CULTIVATION
OF MUSHROOM organised by DEPARTMENT OF BOTANY.

M. SRI DEVI
Head of the Department

BOTANY
S.K.R. Government Degree College (-
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh

K. SRI LAKSHMI
LAKSHMI MUSHROOMS
SUPERVISOR

Dr.P.RAGHAVA KUMARI
PRINCIPAL
S.K.R. GOVT. DEGREE COLLEGE (W),
RAJAMAHENDRAVARAM



S K R GOVERNMENT DEGREE COLLEGE (WOMEN)

Phone : 9908542048

G.O.Ms.No. 28, Higher Education Department, Dated 10-08-2022

Re-Accredited at B+ Grade by NAAC
Affiliated to Adikavi Nannaya University

Opp. T.T.D. Kalyana Mandapam, Danavaipeta, Rajamahendravaram, E.G.Dist. A.P.

www.skrgcdwrjy.ac.in

Established 1968

E-mail : skrgcdwrjy@gmail.com



Dr. P. Raghava Kumari

M.Sc., B.Ed., M.Phil., Ph.D

Principal

To
The Registrar,
Adikavi Nannaya University,
Rajamahendravaram

Sir,

Sub :- SKR Government Degree College (Women), Rajamahendravaram –
Submission of Feedback Report 2022-23 Reg.

This is to submit that, as an institutional practice, SKR Government Degree College (Women), Rajamahendravaram which is under the jurisdiction of Adikavi Nannaya University, Rajamahendravaram collects feedback on college / curriculum from time to time from its stakeholders.

During the academic year 2022-2023, feedback was collected from students, teachers, parents and alumni. A copy of the feedback report is submitted to your office for your information.

Thanking you, Sir.



SIGNATURE OF THE PRINCIPAL

PRINCIPAL
S.K.R. Government Degree College (Women)
RAJAMAHENDRAVARAM-1
East Godavari Dist., Andhra Pradesh

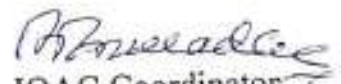
**SKR GOVERNMENT DEGREE COLLEGE (WOMEN),
RAJAMAHENDRAVARAM**

Feedback Report 2022-2023

For the academic year 2022-2023, feedback on the college functioning including teaching learning process was collected from the students, teachers, parents and alumni in online mode. For the students, a feedback form was designed with 20 questions on 20 parameters with 5 options namely – Strongly Agree, Agree, Neutral, Strongly disagree and Disagree.

179 responses collected from the students. Before collection, the purpose of feedback was explained to the students. If the students could not understand any parameter, the mentors explained the parameter and its importance. With the help of the faculty, the IQAC arranged for the analysis of the collected data; the analysis was tabulated and also presented in a graphical format. For the teachers, alumni and parents, a feedback form was customized with 10 questions covering different areas of the college functioning. The analysis report reveals that:

- Stakeholders expressed their opinion that supports the students to prepare for competitive exams.
- More Cultural activities are to be organized in the college


IQAC Coordinator

IQAC Co-ordinator
S.K.R. Government Degree College (Women)
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh

SKR GOVERNMENT DEGREE COLLEGE (WOMEN),

Action Taken Report on Feedback -2022-2023

The feedback report for the academic year 2022-2023 was placed before the staff council meeting chaired by the principal of the college. The council discussed the report in detail. For all the positive feedback about the teaching learning process, the efforts of the teachers were appreciated. The meeting resolved to take the following measures to improve the overall functioning of the college.

Student Centered Learning (SCL) practices in curriculum delivery and transaction were given much emphasis.

Based on the parents & alumnae feedback, PG coaching is continued in a more structured manner and offered support to the students seeking higher education.

The mentors were specifically directed to provide emotional support to students and be accessible to them even out of the classroom, following the spirit of the Mentor Mentee System (MMS) in place.



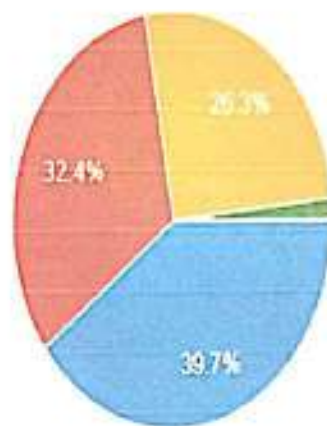
P. Me
PRINCIPAL
S.K.R. Government Degree College (Women)
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh



STUDENT FEED BACK ANALYSIS DATA 2022 -23

Syllabus completion

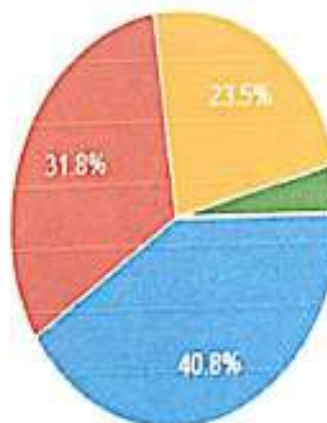
179 responses



- Excellent
- Very Good
- Good
- Satisfactory
- Poor

Interest generated while teaching

179 responses



- Excellent
- Very Good
- Good
- Satisfactory
- Poor

Accessibility outside the class

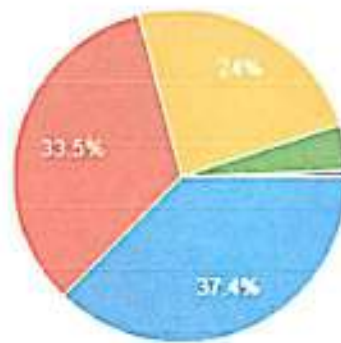
179 responses



- Excellent
- Very Good
- Good
- Satisfactory
- Poor

Personal care and attention

179 responses



- Excellent
- Very Good
- Good
- Satisfactory
- Poor

The teacher uses ICT tools

179 responses



- Excellent
- Very Good
- Good
- Satisfactory
- Poor

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East Godavari Dist., Andhra Pradesh





S.K.R. GOVERNMENT DEGREE COLLEGE(WOMEN)
RAJAMAHENDRAVARAM(Estd.1968)

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ANALYSIS OF TEACHER FEED BACK REPORT -2022-2023

Department

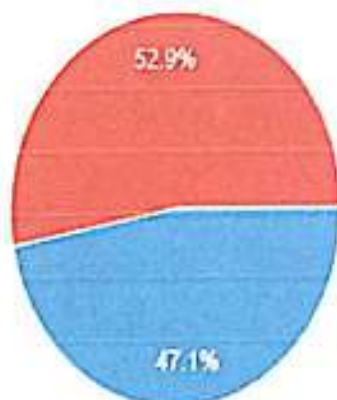


17 responses



Sufficient facilities for ICT Teaching

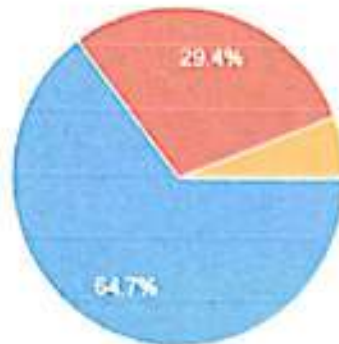
17 responses



- Strongly Agree
- Agree
- Neutral
- Strongly Disagree
- Disagree

Teachers are Student -Friendly

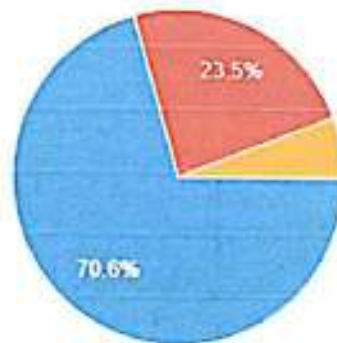
17 responses



- Strongly Agree
- Agree
- Neutral
- Strongly Disagree
- Disagree

Mentoring system functions well

17 responses



- Strongly Agree
- Agree
- Neutral
- Strongly Disagree
- Disagree



P. Reddy

PRINCIPAL,
S.K.R. Government Degree College (Autonomous)
RAJAMAHENDRA,
East Godavari Dist., Andhra Pradesh

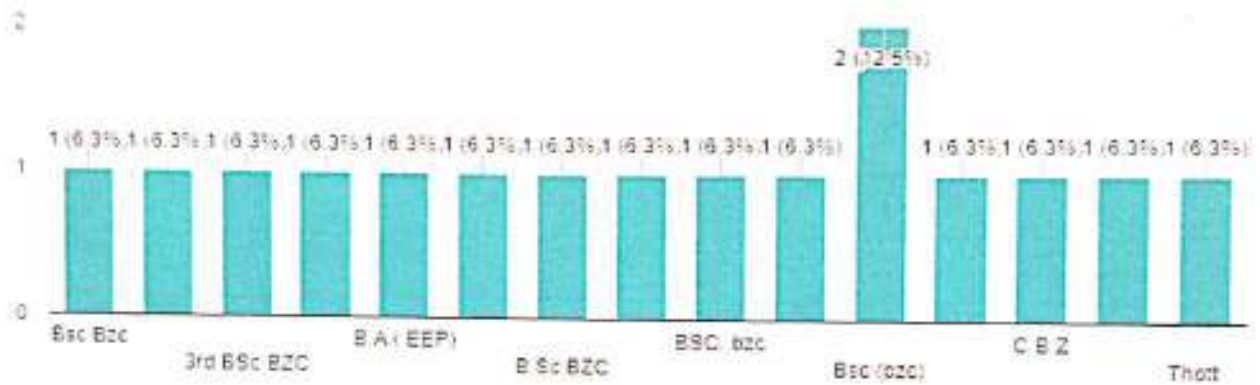


ANALYSIS OF ALUMNI FEED BACK REPORT -2022-2023

Class & Group

Copy

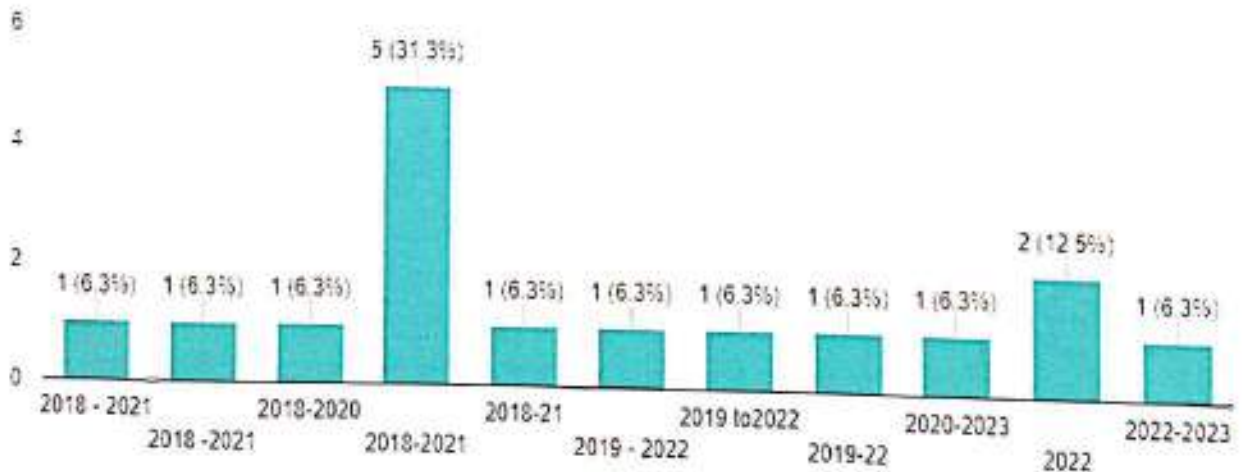
16 responses



Batch

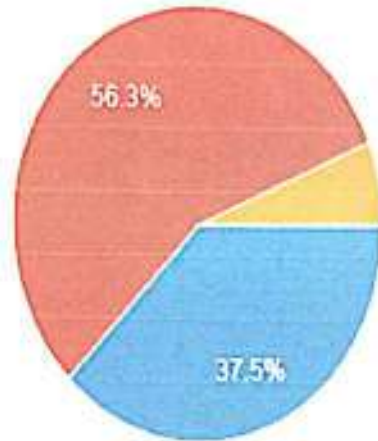
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16 responses



Teachers are Student –Friendly

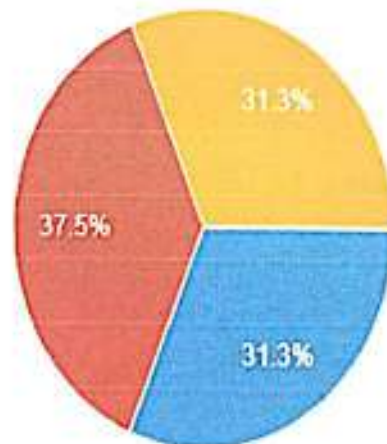
16 responses



- Strongly Agree
- Agree
- Neutral
- Strongly disagree
- Disagree

Mentoring system functions well

16 responses



- Strongly Agree
- Agree
- Neutral
- Strongly disagree
- Disagree



PRINCIPAL
S.K.R. Government Degree College (Women)
RAJAMAHENDRAVARAM
East Godavari Dist. Andhra Pradesh



S.K.R. GOVERNMENT DEGREE COLLEGE(WOMEN)
RAJAMAHENDRAVARAM(Estd.1968)

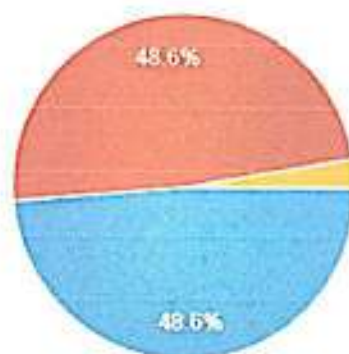
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ANALYSIS OF PARENT FEED BACK REPORT -2022-2023

Sufficient facilities for ICT Teaching

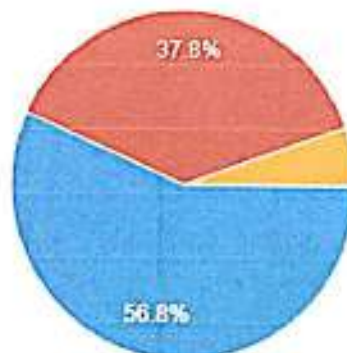
37 responses



- Strongly Agree
- Agree
- Neutral
- Strongly Disagree
- Disagree

Fair & Transparent internal assessment

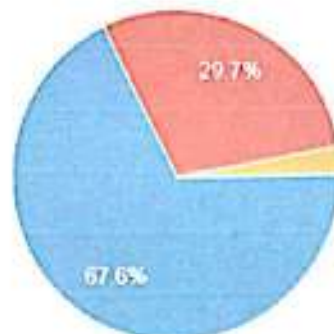
37 responses



- Strongly Agree
- Agree
- Neutral
- Strongly Disagree
- Disagree

Teachers are Student -Friendly

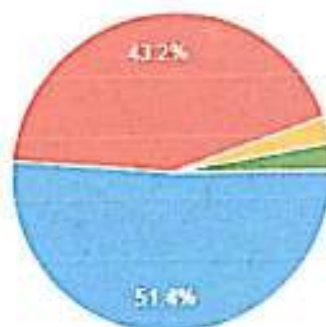
37 responses



- Strongly Agree
- Agree
- Neutral
- Strongly Disagree
- Disagree

Mentoring system functions well

37 responses



- Strongly Agree
- Agree
- Neutral
- Strongly Disagree
- Disagree



P. Ravi
PRINCIPAL
S.K.R. Government Degree College (Women)
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh

S K R GOVERNMENT DEGREE COLLEGE (W)

RAJAMAHENDRAVARAM

(Re-Accredited by NAAC B+ Grade) : Affiliated to Adikavi Nannaya University)

DEPARTMENT OF BOTANY

BRIDGE COURSE

2022 - 2023

"THE ESSENCE OF EDUCATION LIES IN DRAWING OUT THE VERY BEST THAT IS IN YOU"

A bridge course is a series of classes that help students transition from Intermediate level to graduation by providing them with necessary skills and knowledge about topics that will be covered in their new course.

Objectives :

- The main objective of the course is to bridge the gap between subjects studied at pre-university level and subjects they would be studying in B.Sc.(CBZ) Course.
- To enrich the students to learn basic concepts in the subject of Botany I semester.
- To give students confidence and skills to successfully transform to college and new curriculum
- Interactive and Active Learning by doing have been weaved into the Bridge Course.
- Active Learning with the help of other/ peer students.
- To achieve the concept of Assisted Learning.

Standard Operating Procedure

- A Bridge Course for newly admitted BSC (CBZ) Students is conducted every year before commencement of First Semester Classes. The syllabus for the Botany course is designed in such a way that, equal importance is given to all subjects and personality development.
- Bridge Course helps the students to open up, think creatively and become responsible and independent students . It also helps smooth transition to Botany course..The sound grasp of the fundamentals of Botany subject by the students lays the strong foundation for the entire Three/ Four Years Programme.

Highlights of the Bridge Course:

1) Fundamentals of Microbes and Non-vascular Plants:

Smt.M.Sridevi , Faculty, Department of Botany explained in detail about

1. Plant kingdom Classification
2. Fungi & Lichens
3. Bryophytes
4. Taxonomy

2) Basics of Non-vascular Plants and Vascular Plants:

. Kum.P.Sridevi Faculty, Department of Botany explained about

1. Algae
2. Bacteria

3) Basics of Vascular Plants and Phytogeography :

Smt. T. Nagamuni Faculty, Department of Botany gave a Overview of

1. Gymnosperms
2. Virus

ACTION PLAN / REPORT ON BRIDGE COURSE

FOR THE ACADEMIC YEAR 2022-2023

Date	Time/ Hour	Subject	Topic/Activity	Resource Person
11/11/22	1 st	Botany	Plant kingdom Classification	Smt.M.Sridevi
14/11/22	4 th	Botany	Taxonomy	Smt. M.Sridevi
15/11/22	3 rd	Botany	Microorganisms	Kum.P.Sridevi
16/11/22	2 nd	Botany	Modes of Reproduction	Smt.T.Nagamuni
17/11/22	3 rd	Botany	Gymnosperms	Smt.T.Nagamuni

M. S. S. I.

Signature of the
Incharge of the Department

P. M. R.

Signature of the
PRINCIPAL
S.K.R. Government College (Women)
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh

2022 - 2023



BRIDGE COURSE

Smt. M. SRIDEVI
Lecturer in Botany

Topics :- 1. plant kingdom
classification
2. Modes of
Reproduction



Topic:- Plant Systematics.

S.No	Date	Name of the student	Signature of the student			
1.	17-11-2022	A. Srathima	A. Srathima	18	17/11/2022	P. Keerthana Reddy
2.		D. Iswarya	D. Iswarya	19	17/11/2022	P. Anuradha
3.		M. Mighty Grace	M. Mighty Grace	20		S. Hasini
4.		J. Varshini	J. Varshini	21.		M. Mary Swarnupini
5.		Rajala Eula	Rajala Eula	22		K. Chandini
6.		L. Sharmila	L. Sharmila	23		D. Pamyra
7.		N. Prasanna	N. Prasanna	24		M. Bhagya Laxmi
8.		K. Swathi	K. Swathi	25.		B. Sudeeksha
9.		D. Meghana Hemanjali	D. Meghana	26.		Sk. Ateena Taslima
10.		K. Jhansi	K. Jhansi	27		G. Jayasri
11.		T. Sailaja	T. Sailaja	28.		Ch. Ch. Lakshmi Durga
12.		K. Rajya Lakshmi	K. Rajya Lakshmi	29.		J. Pranavika
13.		P. Sravani	P. Sravani	30		G. Rema nissi
14.		K. Akhya	K. Akhya	31.		J. Swathi Dora
15.		Ch. Keerthika	Ch. Keerthika	32		P. Lavanya
16.		T. L. Durga	T. L. Durga	33.		U. Akhila
17.		B. Suresha	B. Suresha	34		N. Varshini
				35		G. Vasundhara
				36		V. Rebecca
				37		M. Madhu Priya
				38.		B. Sadasri

Smt. T. Nagaruni, Lecture in Botany



Kum. P. SRIDEVI Lecture in Botany



M. L. S. S.
Head of the Department
BOTANY
S.K.P.G.COLLEGE FOR WOMEN
RAJMAHENDRAVARAM

P. M. S.
PRINCIPAL
S.R. Government Degree College
RAJMAHENDRAVARAM
Anaparthi Dist., Andhra Pradesh



**S.K.R. GOVERNMENT DEGREE COLLEGE(WOMEN)
RAJAMAHENDRAVARAM(Estd.1968)**

(Re-Accredited at B+Grade by NAAC, Affiliated to Adikavi Nannayya University)



DEPARTMENT OF BOTANY

IDENTIFYING SLOW, MODERATE AND ADVANCED LEARNERS

2022-2023

Student Information Form

Every faculty mentor maintains a Students' Record

Following records are to be maintained by Class mentor of each class:

- (i) Student Information record
- (ii) Marks Statement (Internal Assessment and University Exams)
- (iii) List of slow, moderate and advanced learners of their batch.
- (iv) Remedial measures taken and details (circulars and notices)
- (v) Records of activities for three types of learners

Process to identify Slow, Moderate and Advanced Learners

The process of identifying slow, moderate and advanced learners is as shown in the table.

All students of a particular batch are assessed on following parameters:

S.No.	Assessment Criteria
1.	Problem Solving Skills:
	Previous University Exam Score
	Class Tests
	Attendance
	Assignments and Tutorial
2.	Other parameters:
	Ability to answer the questions in class
	General awareness
	Attentiveness

Based on above assessed parameters students are classified into 3 groups:

Slow Learners : are those whose learning pace is slower than their peers. They are unable to retain what they learn. They also have a very short attention span. Learning does not happen incidentally for slow learners and they have to be directly taught. They cannot link one learning to another unless specifically told. They require more personal attention of the teacher.

Moderate Learners : Those who have immature listening / attention/ social skills/ poor auditory and visual memory.

Advanced Learners : are those students who are ahead on the learning dimensions for the betterment in their life.

All the above details are provided by the concerned course handling faculty members.

INITIATIVES FOR SLOW LEARNERS

The following activities are conducted for slow learners:

- ❖ Tutorial, Discussions, Interactions,
- ❖ Concept clarification and problem solving exercises
- ❖ Bilingual explanation and discussions
- ❖ Provision for simplified but standard Lecture notes /course material
- ❖ Revision of topics
- ❖ Enhancement of Communication Skills and Art of Reading /Learning
- ❖ Remedial classes conducted for Slow Learners.
- ❖ Special Coaching class and Counselling is given to slow learners.
- ❖ Previous year Question papers and Question Banks for all subjects are circulated among slow learners.
- ❖ Students are given repeated practice on important questions

INITIATIVES FOR MEDIUM / MODERATE LEARNERS

The following activities are conducted for MEDIUM LEARNERS

- ❖ Revision of topics
- ❖ Special Coaching class and Counselling is given to slow learners.
- ❖ Previous year Question papers and Question Banks for all subjects are circulated among slow learners.
- ❖ Students are given repeated practice on important questions

- ❖ Guiding the students for PG CET/ICET/Competitive Examinations
- ❖ Concept clarificatio

INITIATIVES FOR ADVANCED LEARNERS

The following Special activities are conducted for Advanced Learners:

- ❖ Bright and diligent students are motivated and inspired to get university ranks.
- ❖ Semester toppers and university rank holders are honoured with certificates and cash prizes.
- ❖ Encouraging to participate in various symposiums like quiz, poster presentation, Conferences, inter-institution competition etc.
- ❖ Guiding the students for PG CET Competitive Examinations.
- ❖ Guiding and encouraging to publish/present research papers in conferences/Journals and college News Letters
- ❖ Guiding for career planning.

M. L. J. i
Signature of the HoD



P. R.
Signature of the Principal
PRINCIPAL
S.K.R. Government Degree College (Women)
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh

SKR GOVERNMENT DEGREE COLLEGE (WOMEN), RAJAMAHENDRAVARAM

DEPARTMENT OF BOTANY

List of Slow Learners -2022-23 (Odd- Semester)

Name of the Lecturer: Mrs.M.Sridevi , Ms. P.Sri Devi,

Semester- V

Class - III B.Sc BZC

Paper – VI C – Plant Tissue Culture

S.no	Name of the Student	Remedial Measure that have been undertaken					Student Signature
		21/2/2023	22/2/2023	23/2/2023	24/2/2023	25/2/2023	
1	B.Krupa ratnam	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	B. Rupa Ratnam
2	B.DurgaBhavani	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Durga
3	P.Chandini	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	P. Chandini
4	P.Mounika	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	p. Mounika
5	Ch.Nagamani	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Nagamani
6	Ch.U.Nagamalle swari	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	U. Nagamalle Swari
7	S.Posamma	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Posamma.
8	T.Ranjitha	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Ranjitha
9	Ch.Sri Lakshmi	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Sri Lakshmi
10	Ch.Sonia	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Ch. Sonia
11	NBT.Sundari	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	NBT. Sundari
12	V.Madhurima	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Madhurima.
13	V.Amani	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	V. Amani
	Signature of the Lecturer	M.Sridevi	P.Sridevi	M.Sridevi	P.Sridevi	M.Sridevi	M.Sridevi

SKR GOVERNMENT DEGREE COLLEGE (WOMEN), RAJAMAHENDRAVARAM

DEPARTMENT OF BOTANY

List of Advanced Learners -2022-23 (Odd- Semester)

Name of the Lecturer: Mrs.M.Sridevi , Ms. P.Sri Devi,

Semester- V

Class - III B.Sc BZC

Paper – VI C – Plant Tissue Culture

S.no	Name of the Student	Remedial Measure that have been undertaken					Student Signature
		21/2/2023	22/2/2023	23/2/2023	24/2/2023	25/2/2023	
1	A.Keerthana	Guiding the students for PG CET	Guiding for career planning	Special Coaching class	Concept clarification	Course material	A.Keerthana
2	J.Sharon roja	Guiding the students for PG CET	Guiding for career planning	Special Coaching class	Concept clarification	Course material	J. Sharon Roja
3	J. Prathyusha	Guiding the students for PG CET	Guiding for career planning	Special Coaching class	Concept clarification	Course material	J. Prathyusha
4	K.Lahari	Guiding the students for PG CET	Guiding for career planning	Special Coaching class	Concept clarification	Course material	K. Lahari
5	K.Bhavani	Guiding the students for PG CET	Guiding for career planning	Special Coaching class	Concept clarification	Course material	K. Bhavani
6	K.Sravani	Guiding the students for PG CET	Guiding for career planning	Special Coaching class	Concept clarification	Course material	K. Sravani
7	K.Sangeetha	Guiding the students for PG CET	Guiding for career planning	Special Coaching class	Concept clarification	Course material	Sangeetha
8	K.Sravani	Guiding the students for PG CET	Guiding for career planning	Special Coaching class	Concept clarification	Course material	K. Sravani
9	K.Gayatri	Guiding the students for PG CET	Guiding for career planning	Special Coaching class	Concept clarification	Course material	Gayatri
10	M. Durga srihitha	Guiding the students for PG CET	Guiding for career planning	Special Coaching class	Concept clarification	Course material	M. Durga srihitha
11	M.Niharika	Guiding the	Guiding for	Special	Concept	Course	

SKR GOVERNMENT DEGREE COLLEGE (WOMEN), RAJAMAHENDRAVARAM
DEPARTMENT OF BOTANY

List of Moderate Learners -2022-23 (Odd- Semester)

Name of the Lecturer: Mrs.M.Sridevi, Ms. P.Sri Devi,

Class - III B.Sc BZC

Semester- V

Paper - VI C - Plant Tissue Culture

S.NO	Name of the Student	Remedial Measure that have been undertaken					Student Signature
		21/2/2023	22/2/2023	23/2/2023	24/2/2023	25/2/2023	
1	Ch.Reshma	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Reshma
2	Ch.Lakshmi kalyani	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Ch. Lakshmi Kalyani
3	D.Sravya Keerthi	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	D. Sravya Keerthi
4	K.Lallitha	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	m.pavani Durgambhika
5	M.Pavani Durgambhika	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	M. pavani Durgambhika
6	V.Praneetha	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Praneetha
7	B.Deepika	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	B. Deepika
8	Ch.Nagamani	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Ch. nagamani
9	M.Shiny	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Shiny
10	P.Posiveni	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	P. Posiveni
11	S.Vandana sai	Special	IMP	Concept	Revision	Course	

		Coaching class	Questions	clarification		material	
12	T.Sandya Rani	Special Coaching class	IMP Questions	Concept clarification	Revision	Course material	Sandhya
	Signature of the Lecturer	M.L.Li	P.Srida	M.L.Li	P.Srida	M.L.Li	M.L.Li

M.L.Li
Signature of the HOD



P. Srida
Signature of the principal
PRINCIPAL
S.K.R. Government Degree College (Women)
RAJAMAHENDRAVARAM
East Godavari Dist., Andhra Pradesh



SKR GOVERNMENT DEGREE COLLEGE (WOMEN),
RAJAMAHENDRAVARAM
DEPARTMENT OF BOTANY - 2022-2023

REMEDIAL COACHING

Not all students learn at the same pace; some students require extra attention. The basic premise of remedial coaching is to help students to catch-up to their peers. When students academically fall behind, a gap opens between their abilities and that of their peers. Over the time, this gap gathers a place and widens to the point where learning in other areas is affected.

Remedial Coaching focuses on basic concepts, develop better study habits and to develop confidence in the students for respective subjects. Remedial classes help to close the gap between what a student knows and what he is expected to know.

OBJECTIVES:

- 1) To identify the potential learning gaps those are hindering the students' progress in the classroom.
- 2) To improve Academic Skills of the students in the Botany Subjects.
- 3) To raise the level of comprehension of basic subjects to provide a strong platform for further academic work.
- 4) To strengthen their understanding, widen knowledge base and attitudes in the concerned subjects.
- 5) To improve the performance and quality of students and capacitated them

REMEDIAL CLASSES:

Remedial classes are organised in college to assist weak students or the slow learners to improve their performance and understand the basic concepts of a course. Individualised attention during remedial classes helps the students to overcome the subject specific difficulties and improve their grades in final university examination. The main objective of these classes is to provide student centric education to cater the individual needs of the students with well-designed strategies.

The following procedure is followed to conduct remedial classes:

A. SELECTION OF STUDENTS:

First of all, the courses are selected on the basis of previous semester result and level of difficulty. Students of on-going classes are identified on the basis of previous semester examination marks and students of first semester are identified on the basis of marks in Mid Semester Tests and continuous internal evaluation

from all UG course. Backlog students and students who voluntarily want to join classes because of difficulty to pace with class are also facilitated with remedial classes.

B. COURSE SCHEDULE PREPARATION:

Schedule for remedial classes is prepared, usually conducting classes before or after regular class hours and at the end of the semester i.e. after the completion of the syllabus in the examination preparatory days. Students are divided into small sized groups. Concerned subject Lecturers in the departments is assigned duty to assist one group. The record of attendance is also maintained by the faculty members.

C. ANALYZING WEAKNESS AND STRENGTHS OF STUDENTS:

After the selection of students and allotment of groups the concerned teacher evaluates the weak points of the students from the previous performance in examinations. The teacher selects the topics from the course which the students were not able to understand during regular classes. He also conducts a discussion with the students to find out the reason of unintelligibility of those topics. After discussion with the students, he/she comes to know about strong and weak points of the student and in consequence to this he/she designs his/her strategy for remedial classes.

D. CONDUCT OF REMEDIAL CLASSES :-

Different student centre techniques/ strategies are used for remedial classes to achieve desired level of learning. Concepts are divided in small parts and demonstrated in simple language. Basics of subjects are cleared through individualized methods, notes on important topics and University question bank are provided. Faculty members give academic as well as personal advice or counseling to student. Revision of important topics is focused and teachers discuss the way of presenting answers in the exam to score good marks. Critical topics are re-explained for better understanding by the teacher. Regular tests are conducted to assess the progress of students. Teachers communicate regularly with parents regarding.

E. PROGRESS REPORT:-

Each faculty member, who teaches remedial classes, maintains all the records like attendance, topic covered, teaching learning material etc. The records are kept in proper manner as prescribed by higher authority from time to time. Performance of the enrolled students in final semester examination is the key indicator of success. After the declaration of results of final semester of students a progress report is prepared by each faculty member in prescribed format explaining the number of enrolled students and pass percentage of the group allocated. If required, strategies of teaching are re-designed for next sessions according to progress report.


Signature of the HOD




Signature of the Principal
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East Godavari Dist., Andhra Pradesh

SKR GOVERNMENT DEGREE COLLEGE (WOMEN), RAJAMAHENDRAVARAM

DEPARTMENT OF BOTANY






REMEDIAL COACHING - 2022-23

Semester- I

Name of the Lecturer: Mrs.M.Sridevi, Ms. P.Sri Devi, Mrs. T.Naga Muni

Class - I B.Sc BZC

Paper - I - Fundamentals of Microbes and Non Vascular Plants

S.NO	Name of the Student	Marks obtained in the previous semester Mid (20M)	TOPIC COVERED					Marks obtained in the semester Exams	Signature of the student	Remarks
			21/2/2023	22/2/2023	23/2/2023	24/2/2023	25/2/2023			
			Life history of puccinia	Bacteriophage replication	Thallus Organization in Algae	Evolution of sporophyte in Bryophyte	Post fertilization changes of Polysiphonia			
1	B.Sadha sri	12	A	/	/	/	A	F	B. Sadha sri	
2	D.Iswarya	10	/	/	/	/	/	D	D. Iswarya	
3	G.Jaya sri	09	/	/	/	/	A	B+	G. Jaya sri	
4	M.Mighty Grace	13	/	/	/	/	/	D	M. Mighty Grace	
5	M.Rohithasri	11	A	A	A	A	A	D	M. Rohithasri	
6	G.Remanissi	06	A	/	/	/	/	D	G. Remanissi	
7	P.Manga	12	/	A	/	/	/	B	P. Manga	
8	P.Sravani	12	/	/	/	/	/	F	P. Sravani	
9	V.Rebecca	13	/	/	A	/	/	C	V. Rebecca	
10	R.Beaula	11	/	/	/	/	/	D	R. Beaula	
11	T. Namratha reena rikhith	12	A	A	A	/	/	D	T. N. V. Rikitha	
	Signature of the Lecturer									

SKR GOVERNMENT DEGREE COLLEGE (W), RAJAMAHENDRAVARAM

DEPARTMENT OF BOTANY

REMEDIAL COACHING -2022-23

Name of the Lecturer: Ms. P.Sri Devi, Mrs. T.Naga Muni

Semester- V

Class - III B.Sc BZC

Paper - VII C - Mushroom Cultivation

S.no	Name of the Student	Marks obtained in the previous semester Mid	TOPIC COVERED					Marks obtained in the semester Exams	Signature of the student	Remarks
			14/2/2023	15/2/2023	16/2/2023	17/2/2023	20/2/2023			
			Nutraceutical values of Mushroom	Developmental stages of paddy straw mushroom	Compost preparation	Spawn Preparation	Cultivation of milky and oyster mushroom			
1	B.Krupa ratnam	F	\	\	\	A	\	C	B. Krupa Ratnam	
2	B.Durga Bhavani	F	\	\	\	\	\	B	B. Durgabhavani	
3	P.Chandini	F	\	\	\	\	A	F	P. Chandini	
4	P.Mounika	F	\	A	\	\	\	B	P. Mounika	
5	Ch.NagamAni	D	A	A	\	\	A	B+	ch. nagamani	
6	Ch.Uma Nagamalleswari	D	\	\	\	\	\	B	ch. uma nagamalleswari	
7	S.Posamma	D	\	\	\	\	\	F	S. Posamma	
8	T.Ranjitha	D	\	A	A	\	A	F	T. Ranjitha	
9	Ch.Sri Lakshmi	D	\	\	\	\	\	A+	Ch. Sri Lakshmi	
10	Ch.Sonia	D	A	A	A	A	A	B+	Ch. Sonia	
11	NBT.Sundari	D	\	\	\	\	\	F	NBT. Sundari	
12	V.Madhurima	D	\	\	\	\	A	A	V. Madhurima	
13	V.Amani	D	A	\	\	\	\	A+	V. Amani	
	Signature of the Lecturer									

Signature of The HOD



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East Godavari Dist., Andhra Pradesh



**S.K.R. GOVERNMENT DEGREE COLLEGE(WOMEN)
RAJAMAHENDRAVARAM(Estd.1968)**

(Re Accredited at B+Grade by NAAC, Affiliated to Adikavi Nannayya University)



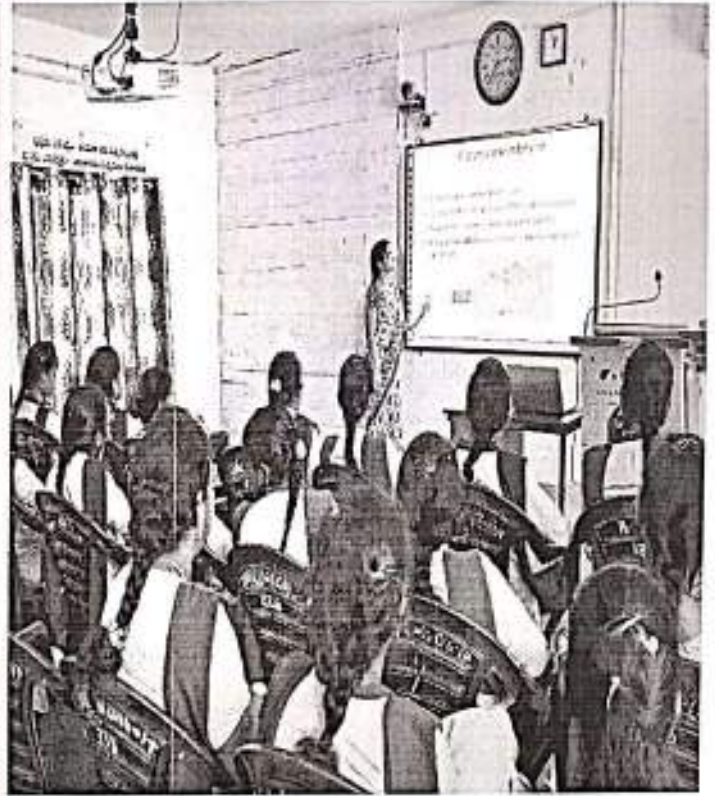
**Department of Botany
ICT Class Data 2022 -2023**

SKR GOVERNMENT DEGREE COLLEGE, RAJAMAHENDRAVARAM				
DEGREE First year ONLINE TIME TABLE MAY'23				
		10AM-11AM	11AM-12 PM	12PM-1PM
		1	2	3
MON	BSc	Chemistry/Comp	Maths/Bot	Physics /Zoo
	Bcom	Buss.Economics	Fin.A/C	E.Comm/Banking
	BA	Eco/Soc/Spl.Tel	History /PA/ Spl.Eng	Politics
TUE	BSc	SL	Physics /Zoo	English
	Bcom	SL	Buss.Economics	English
	BA	SL	Eco/Soc/Spl.Tel	English
WED	BSc	English	Maths/Bot	Chemistry/Comp
	Bcom	English	E.Comm/Banking	Fin.A/C
	BA	English	Politics	History /PA/ Spl.Eng
THU	BSc	Chemistry/Comp	English	SL
	Bcom	Fin.A/C	English	SL
	BA	Politics	English	SL
FRI	BSc	Physics /Zoo	Chemistry/Comp	Maths/Bot
	Bcom	Buss.Economics	E.Comm/Banking	Fin.A/C
	BA	Eco/Soc/Spl.Tel	History /PA/ Spl.Eng	Politics
SAT	BSc	Maths/Bot	SL	Physics /Zoo
	Bcom	E.Comm/Banking	SL	Buss.Economics
	BA	History /PA/ Spl.Eng	SL	Eco/Soc/Spl.Tel

SKR GOVERNMENT DEGREE COLLEGE, RAJAMAHENDRAVARAM				
DEGREE ONLINE TIME TABLE MAY'23				
		10AM-11AM	11AM-12 PM	12PM-1PM
		1	2	3
MON	BSc	Physics /Zoo	Maths/Bot	Chemistry/Comp
	BA	Politics-C4	Eco/Soc/Spl.Tel -C4	History / Spl.Eng-C4
	Bcom	CMA	Income Tax	Corporate.A/C
TUE	BSc	Maths/Bot	Chemistry /Comp	Physics /Zoo
	BA	His / Spl.Eng C5	Eco/Soc/Spl.Tel C5	Pol-C5
	Bcom	Auditing	Business Law	GST/DBMS
WED	BSc	Chemistry/Comp	Physics /Zoo	Maths/Bot
	BA	His /Spl.Eng-C4	Politics- C4	Eco/Soc/Spl.Tel C4
	Bcom	Business Law	Income Tax	CMA
THU	BSc	Physics /Zoo	Maths/Bot	Chemistry/Comp
	BA	Politics-C5	Eco/Soc/Spl.Tel -C5	History /PA/ Spl.Eng-C5
	Bcom	CMA	Income Tax	Corporate.A/C
FRI	BSc	Maths/Bot	Chemistry /Comp	Physics/Zoo
	BA	His / Spl.Eng C4	Eco/Soc/Spl.Tel C4	Politics-C4
	Bcom	Auditing	Business Law	GST/DBMS
SAT	BSc	Chemistry/Comp	Physics/Zoo	Maths/Bot
	BA	His / Spl.Eng-C5	Politics- C5	Eco/Soc/Spl.Tel C5
	Bcom	Auditing	GST/DBMS	Corporate.A/C

ICT Class Data 2022-2023

S.No	Date	Class	Topic	Name of the Faculty
1	14-10-2022	I B.Sc BZC	General characters of Fungi	Mrs.M.Sri Devi
2	05-05-2023	I B.Sc BZC	Asteraceae	
3	08-05-2023		Asclepidaceae	
4	22-05-2023		Amaranthaceae	
5	27-05-2023		Poaceae	
6	10-05-2023		II B.Sc BZC	
7	15-05-2023	II B.Sc BZC	Linkage	
8	22-05-2023		Chromosomal mapping	
9	03-05-2023		I B.Sc BZC	
10	06-05-2023	Lycopodium Life History		
11	10-05-2023	Marselia Life History		
12	17-05-2023	Stelar evolution of Pteridophytes		
13	20-05-2023	Seed habit		
14	02-05-2023	II B.Sc BZC	Chromosome structure	Ms.P.Sri Devi
15	03-05-2023		Euchromatin & Heterochromatin	
16	08-05-2023		Chromosomal mutations	
17	09-05-2023		Organization of DNA in the Chromosome	
18	23-05-2023		Methods of Plant breeding	
19	24-05-2023		Hybridization	
20	29-05-2023		DNA Markers	
21	24-05-2023		I B.Sc BZC	
22	17-11-2022	II B.Sc BZC	Biodiversity – Hot spots in India, Conservation.	Mrs.T.Nagamuni
23	04-05-2023		Cell wall structure	
24	05-05-2023		Chloroplast Structure	
25	06-05-2023		Plastid DNA	
26	11-05-2023		Prokaryotic & eukaryotic Cell differences	
27	12-05-2023		DNA Structure	
28	13-05-2023		DNA types & Replication	
29	18-05-2023		RNA Structure	
30	19-05-2023		tRNA	
31	20-05-2023		Structure of Plasma Membrane	
32	25-05-2023		Photoperiodism	
33	26-05-2023		Auxins & Gibberillins	
34	27-05-2023		Cytokinins & Ethylene	



FDP's List

S.No	Date	Topic
1	19 th May to 23 rd May 2020	Participated in 5 days International Faculty Development programme on "Online teaching Tools for video Lecturing and Digital e-Learning" – Sir.CRR. Reddy College, Eluru.
2	27 th May to 28 th May 2020	Participated in 2 days International FDP Webinar on "Challenges and Opportunities in Higher Education in COVID 19 scenario. The way Forward" Organized by IQAC St. Joseph's College For Women, Visakhapatnam.
3	13 th July 17 th July 2020	Participated in 5 days International Faculty Development Programme in Botany theme on "New Frontiers in Emerging Technologies" Organized by Commissionerate of Collegiate Education, A.p, Vijayawada.
4	29 th November to 3 rd December 2022	Participated in 5 days National level online Faculty Development Programme on "Effective Pedagogy for Science" Organized by Department of Physics and Mathematics, JMJ College For Women (A), Tenali.
5	7 th December to 11 th December 2022	Participated in 5 days "Residential Training Programme on for Teachers" on content Delivery and Assessment Methods pertaining to skill courses for 1-semester TOT on Plant Nursery at AU HRDC Visakapatnam Organized by Commissionerate of Collegiate Education AP, Mangalagiri.
6	5 th January to 7 th January 2023	Participated in 3 days Training Programme on "Internship and LMS" held at Nodal Resource Center Rajamahendravaram.
7	19 th June 24 th June 2023	Participated in 6 days Training Programme on "English medium of instruction, proficiency in English" – Nodal Resource Center (NRC), Govt. College (A), Rajamahendravaram, Organized by Commissionerate of Collegiate Education AP, Mangalagiri
8	25 th June 2023	Participated in one day Faculty Development Programme on Research Paper Writing" organized by Department of Computer science and Commerce of Sri GCSR College".
9	24 th July to 28 th July 2023	Participated in FIVE DAY FDP on " RECENT ADVANCEMENTS IN ELECTRIC VEHICLE TECHNOLOGY" [RAEVT-2023] organized by the Department of Electrical & Electronics Engineering ,Basavarajeswari Group of Institutions , Ballari Institute of Technology & Management, Ballari-583104, Karnataka.



COMMISSIONERATE OF COLLEGIATE EDUCATION
GOVERNMENT OF ANDHRA PRADESH



STUDENT EVALUATION REPORT

S.K.R.GOVERNMENT DEGREE COLLEGE (W), RAJAMAHENDRAVARAM.

Name of the Faculty : M.SRIDEVI, P.SRIDEVI			Subject : BOTANY					Semester : I		Title of the Paper : Fundamentals of Microbes and Non-vas																					
Sl. No.	Student ID	Student Name	Program Code	Program Name	Specialization Code	Specialization	Course Code	Course Name	University Register No.	Continuous Internal Assessment (CIA)										Result	Practical Marks	Result	Remarks								
										Mid Exam - 1		Mid Exam - 2		Total (Mid - 1 + Mid - 2)		Assignments		Seminar / GD / Field Trip etc.						Clean & Green & Attendance		Total (I+II+III+IV)		Scale Down to 25		Sem End Examination (SEE)	
										20	15	35	5	5	5	5	5	5	5					5	5	5	5	5	5	5	100
1	202200185704	ALLAM SRUTHIMA	30540	BZC			71	BSC	220907110035	17	13	30	5	5	5	45	23		B	P	A-	P									
2	202200087069	BEJAWADA SUREKHA	30540	BZC			71	BSC	220907110036	15	11	26	5	5	5	41	21		D	P	A	P									
3	202200089530	BODDU SADASRI	30540	BZC			71	BSC	220907110037	12	5	17	5	5	5	32	16		F	F	D	P									
4	202200127038	BONAM LAKSHMI DURGA	30540	BZC			71	BSC	220907110038	15	13	28	5	5	5	43	22		B+	P	B-	P									
5	202200094639	BONEM DHANAKUMARI	30540	BZC			71	BSC	220907110039	15	13	28	5	5	5	43	22		C	P	B-	P									
6	202200110319	BONTHU SUDHA KIRANMAI	30540	BZC			71	BSC	220907110040	16	14	30	5	5	5	45	23		B+	P	B-	P									
7	202200200120	CHALAPAKA KEERTHIKA	30540	BZC			71	BSC	220907110041	16	13	29	5	5	5	44	22		C	P	B-	P									
8	202200132781	CHEDALA LAKSHMI DURGA	30540	BZC			71	BSC	220907110042	17	15	32	5	5	5	47	24		B+	P	A	P									
9	202200097035	DEVANA RAMYA	30540	BZC			71	BSC	220907110043	17	14	31	5	5	5	46	23		F	F	B	P									
10	202200226557	DIDDE MEGHANA HEMANJALI	30540	BZC			71	BSC	220907110044										F	F	D	P									
11	202200226557	DIDDE MEGHANA HEMANJALI	30540	BZC			71	BSC	220907110045	10	10	20	5	5	5	35	18		D	P	B+	P									
12	202200138661	DONDAPATI ISWARYA	30540	BZC			71	BSC	220907110046	15	6	21	5	5	5	36	18		D	P	C	P									
13	202200242455	GALINKI REMANISSI	30540	BZC			71	BSC	220907110047	17	14	31	5	5	5	46	23		C	P	B-	P									
14	202200173991	GORLE VASUNDHARA	30540	BZC			71	BSC	220907110048	9	12	21	5	5	5	36	18		B-	P	B-	P									
15	202200095729	GOTTUMUKKALA JAYA SRI	30540	BZC			71	BSC	220907110049	17	12	29	5	5	5	44	22		B+	P	B+	P									
16	202200246076	JANGA VARSHINI	30540	BZC			71	BSC	220907110050	15	14	29	5	5	5	44	22		B-	P	B-	P									

202200118028	JARAM SWATHI DORA	30540	BZC		71	BSC	220907110051	17	4	21	5	5	5	36	18		D	P	C	P
202200100441	KODE ALEKHYA	30540	BZC		71	BSC	220907110052	17	15	32	5	5	5	47	24		B+	P	A	P
202200142606	KOMARAM JHANSI	30540	BZC		71	BSC	220907110053	15	12	27	5	5	5	42	21		B	P	B+	P
202200214367	KOMMARI SWATHI	30540	BZC		71	BSC	220907110054	17	14	31	5	5	5	46	23		B+	P	B	P
202200167418	KOVVILI CHANDINI	30540	BZC		71	BSC	220907110055	15	5	20	5	5	5	35	18		F	F	C	P
202200088866	KUDE SANDHYA	30540	BZC		71	BSC	220907110056	17	14	31	5	5	5	46	23		C	P	A	P
202200003410	KUKKALA NAGADEVI	30540	BZC		71	BSC	220907110057	17	9	26	5	5	5	41	21		C	P	B+	P
202200251649	KUSIREDDY RAJYA LAKSHMI	30540	BZC		71	BSC	220907110058	14	11	25	5	5	5	40	20		D	P	B+	P
202200168782	LANDA SHARMILA	30540	BZC		71	BSC	220907110059	15	11	26	5	5	5	41	21		C	P	C	P
202200199447	MADAKAM MADHU PRIYA	30540	BZC		71	BSC	220907110060	17	11	28	5	5	5	43	22		C	P	B+	P
202200221037	MADAKAM MARY SWARUPINI	30540	BZC		71	BSC	220907110061	15	14	29	5	5	5	44	22		C	P	B+	P
202200133780	MALLIPEDDI GEETHIKA	30540	BZC		71	BSC	220907110062	15	15	30	5	5	5	45	23		B+	P	A	P
202200252639	MALLIPUDI MIGHTY GRACE	30540	BZC		71	BSC	220907110063	13	10	23	5	5	5	38	19		D	P	C	P
202200152143	MANGALA ROHITHA SRI	30540	BZC		71	BSC	220907110064	11	14	25	5	5	5	40	20		D	P	C	P
202200137218	MIRIYALA LAVANYA	30540	BZC		71	BSC	220907110065	17	13	30	5	5	5	45	23		C	P	B+	P
202200245130	MUCHIKA BHAGYA LAXMI	30540	BZC		71	BSC	220907110066	16	13	29	5	5	5	44	22		C	P	B+	P
202200097558	MUDIKA BHAVYASREE	30540	BZC		71	BSC	220907110067	17	14	31	5	5	5	46	23		C	P	B+	P
202200133516	NERRIBOINA VARSHINI	30540	BZC		71	BSC	220907110068	15	7	22	5	5	5	37	19		D	P	B+	P
202200176836	NOKKU PRASANNA	30540	BZC		71	BSC	220907110069	17	14	31	5	5	5	46	23		B	P	B	P
202200114581	NUTHALAPATI GEETHIKA	30540	BZC		71	BSC	220907110070	17	14	31				31	16		AB	AB	AB	AB
202200000715	PACHIMALA LAVANYA	30540	BZC		71	BSC	220907110071	18	13	31	5	5	5	46	23		B	P	A	P
202200146050	PALLALA AISWARYA	30540	BZC		71	BSC	220907110072	17	14	31	5	5	5	46	23		B+	P	B+	P
202200120515	PALLALA KEERTHANA REDDY	30540	BZC		71	BSC	220907110073	17	10	27	5	5	5	42	21		F	F	B+	P
202200156590	PEETA ANURADHA	30540	BZC		71	BSC	220907110074	15	14	29	5	5	5	44	22		C	P	B	P
202200118812	POLUPARTHI MANGA	30540	BZC		71	BSC	220907110075	12	13	25	5	5	5	40	20		B	P	D	P
202200084201	POLUPARTI SRAVANI	30540	BZC		71	BSC	220907110076	12	11	23	5	5	5	38	19		F	F	D	P
202200087689	PUSAM NAVYA SNEHA LATHA	30540	BZC		71	BSC	220907110077	14	13	27	5	5	5	42	21		C	P	B+	P
202200259667	RAYALA BUELA	30540	BZC		71	BSC	220907110078	11	13	24	5	5	5	39	20		D	P	C	P
202200141160	SANIVARAPU SAI SUNITHA	30540	BZC		71	BSC	220907110079	16	14	30	5	5	5	45	23		B+	P	A	P
202200125704	SEETHAMSETTI REETHUHASINI	30540	BZC		71	BSC	220907110080	15	13	28	5	5	5	43	22		C	P	C	P
202200247139	SHEIK HEENA TASLIMA	30540	BZC		71	BSC	220907110081	15	13	28	5	5	5	43	22		C	P	D	P
202200043314	SINGOJI UMABHARGAVI	30540	BZC		71	BSC	220907110082	17	14	31	5	5	5	46	23		C	P	B+	P
202200262565	TADAPATLA NAMRATHA TEENA	30540	BZC		71	BSC	220907110083	12	9	21	5	5	5	36	18		D	P	B+	P
202200084170	TANARI SAILAJA	30540	BZC		71	BSC	220907110084	15	15	30	5	5	5	45	23		A	P	A+	P
202200130358	UPPADA AKHILANDESWARI	30540	BZC		71	BSC	220907110085	16	15	31	5	5	5	46	23		B+	P	D	P
202200236032	VASUPALLI REBECCA	30540	BZC		71	BSC	220907110086	13	13	26	5	5	5	41	21		C	P	C	P
202200129075	YADALA NARSI KUMARI	30540	BZC		71	BSC	220907110087	15	13	28	5	5	5	43	22		C	P	D	P

M. S. ...
Head of the D...

P. ...
PRINCIPAL
S.K.R. Government Degree College (Womens)



Screening and Isolation of Plant Growth Promoting, Halotolerant Endophytic Bacteria from Mangrove Plant *Avicennia officinalis* L. at Coastal Region of Corangi Andhra Pradesh

J. Lavanya, D. Sandhya Deepika, M. Sridevi

10.18805/ag.D-5607

ABSTRACT

Background: Main objective of this study is to isolate and characterize halo tolerant plant growth promoting endophytic bacteria from leaves and pneumatophores of mangrove plant *Avicennia officinalis* L. Isolates were also screened for their ability to provide resistance to extreme salt tolerance and temperatures and to produce exo enzymatic activity like catalase, amylase, protease, phosphate solubilization and plant growth promoting hormone (Indole 3-acetic acid).

Methods: The present study was carried out during 2020-21 to 2021-22 at field and laboratory level. Eleven endophytic bacterial isolates were obtained from mangrove *Avicennia officinalis* L. grown at coastal region of Corangi Wildlife Sanctuary, East Godavari. All isolates were enumerated, purified and preserved for further studies.

Result: Out of eleven isolates obtained bacteria "AOL2" isolated from leaves of *Avicennia officinalis* L. was found promising in production of exo enzymes, Indole 3-acetic acid (IAA) and phosphate solubilization parameters. Isolate AOL2 was a Gram's negative, motile, moderately halophilic, rod shaped diplobacilli which grows optimally at 32°C, pH 8.3 and had a salt tolerance of 10% NaCl. Microbial identification was carried out by morphological, biochemical and by 16S rRNA sequence. Based on nucleotide homology and phylogenetic analysis isolate AOL2 showed high degree of resemblance with *Salinicola salarius*. On the basis of the experimental findings, strain *Salinicola salarius* AOL2 had a capability in producing plant growth promoting substances, exo enzymes, phosphate solubilization ability and was first reported in endophytic bacteria isolated from *Avicennia officinalis* L. that can be studied further.

Key words: Catalytic activity, Endophytic bacteria, Mangrove, Plant growth promoters, *Salinicola*.

INTRODUCTION

Direct extraction of secondary metabolites from mangrove plants that have superior in antibacterial activity requires a large amount of biomass and this is potentially damage the mangrove community and their ecosystem. Endophytic bacteria that live in plant tissues can be used to obtain the bioactive compounds efficiently. Endophytic microbes are groups of organisms associated with various tissues and organs of several terrestrial and aquatic plants (Stone *et al.*, 2000). Some endophytic bacteria are known to produce secondary metabolites that are useful in pharmaceutical industry (Gouda, *et al.*, 2016). Endophytic organisms are those that live internally in apparently healthy and asymptomatic hosts. Endophytes appear to be ubiquitous; indeed, no study has yet shown the existence of a plant species without endophytes (Nisa *et al.*, 2015). Microorganisms from marine ecosystems contain useful enzymes, proteins, antibiotics and salt tolerant genes that have pharmacological significance (Thatoi *et al.*, 2013). Endophytic bacteria had several potential applications in medicine and in other various sectors of biotechnology including agriculture. One of the potential applications of bacterial endophytes in agricultural is to enhance the growth of the agricultural crops.

Mangrove belong primarily to the families *Rhizophoraceae*, *Acanthaceae*, *Lythraceae*, *Combretaceae* and *Arecaceae*; that grow in dense thickets along tidal

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Submitted: 11-05-2022 **Accepted:** 21-10-2022 **Online:** 14-11-2022

estuaries, in salt marshes and on muddy coasts. Mangrove ecosystem is a bridge between terrestrial and marine environment and harbors unique microbial diversity. Recently, among the marine microorganisms, marine derived bacteria have been recognized as good resources for new biologically active secondary metabolites including antitumor, antibacterial, antiviral, antifungal and enzyme inhibitor compounds. Bacterial diversity from these ecosystems has been studied worldwide for their unique biochemical processes. Various groups of bacteria are typically present in the mangrove ecosystem (Holguin *et al.*, 2001) where they perform diverse activities including photosynthesis, nitrogen fixation and methanogenesis

Isolation and Categorization of Plant Growth Promoting Endophytic Bacteria Isolated from Halophytic *Suaeda nigra* at Salt Stress Area of Srikakulam, Andhra Pradesh

M. Sridevi* , D. Sandhya Deepika  and J. Lavanya 

Department of Botany, Andhra University, Visakhapatnam, Andhra Pradesh, India.

Abstract

In search of novel endophytic bacteria capable of producing plant growth promoting phytohormones and providing tolerance against biotic and abiotic stress to the plant, present study was carried out during 2021-22. For this, endophytic bacteria were isolated from halophytic *Suaeda nigra* at salt stress areas of Srikakulam district, Andhra Pradesh. Total of sixteen endophytic bacteria were isolated from roots and aerial parts of *Suaeda nigra*. Isolates were enumerated, purified and preserved for subsequent studies. All isolates were analyzed for their phenotypic, biochemical, enzymatic assay and molecular characterization was carried out by 16S rRNA molecular method. Isolates were tested for their ability in producing plant growth promoting phytohormones, siderophores, exo enzymes and ability to solubilize the phosphate molecules. Among total isolates extracted, bacteria which was labeled as "SNA7" isolated from aerial parts of *Suaeda nigra* showed better characters in producing catalytic enzymes like catalase, amylase, protease, phosphate solubilization ability and Indole-3-acetic acid (IAA) production. Isolate SNA7 was gram negative, motile, aerobic, rod shaped, non-spore forming, and no pigmentation which grows best at 42°C, pH 8.3 with tolerate of 8% NaCl nutrient agar. Based on phenotypic, biochemical, nucleotide homology and phylogenetic analysis isolate SNA7 showed higher relationship with *Pseudomonas pseudoalcaligenes* *Pseudomonas* spp. was characterized as an effective organism to explore its ability in various research fields. In this current study, isolate SNA7 showed higher potential in producing wide range of enzymes and bioactive secondary metabolites and was first of its kind reported and isolated from halophytic *Suaeda nigra*.

Keywords: Catalytic Activity, Endophytic Bacteria, Halophytes, Plant Growth Promoters, *Pseudomonas*, Secondary Metabolites

*Correspondence: msdbotany@gmail.com

Citation: Sridevi M, Deepika DS, Lavanya J. Isolation and Categorization of Plant Growth Promoting Endophytic Bacteria Isolated from Halophytic *Suaeda nigra* at Salt Stress Area of Srikakulam, Andhra Pradesh. J Pure Appl Microbiol. Published online 28 November 2022. doi: 10.22207/JPAM.16.4.56

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Important Medicinal plants of Dhanvanthari medicinal garden at SKR government Degree College, Rajamahendravaram to maintain sustainable health and well being

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2. Mrs.M.SriDevi, Lecturer in Botany, SKR Government Degree College (W) Rajahmundry- 533103, A.P, India. Email Id: msdbotany@gmail.com
3. Ms.P.SriDevi, Lecturer in Botany, SKR Government Degree College (W) Rajahmundry- 533103, A.P, India. Email Id:psridevijuly3@gmail.com
4. Mrs.T.Naga Muni, Lecturer in Botany, SKR Government Degree College (W) Rajahmundry- 533103, A.P, India. Email Id: tnamuni.2014@gmail.com

Abstract:

All plants synthesize a number of chemical compounds for different functions, plants have properties like defense and give protection against diseases produced by virus, bacteria and fungi, etc., The present study showed that the ratio of medicinal plants that are maintained in my Dhanvanthari medicinal garden. These plants were used as home remedies to cure diseases. There are 723 plants in total included in 65 species. These 65 plants are included in 34 families. Out of 723 plants, herbs are 455, shrubs are 152, trees are 32, creepers are 65 and climbers are 19 in number. Herbs are more in number and climbers are least in number. In Prehistoric period tribal and rural area people living in forest areas still depends on indigenous system of medicine. Now a days most of the people were depending on homeopathy and Ayurveda traditional system.

Keywords: Herbal Therapy, medicinal plants, Dhanvanthari medicinal garden, diseases, Medicinal values, traditional medicine.

Introduction:

Medicinal plants are also known as medicinal herbs. Since long time plants were used for treatment to cure diseases. 70 % of Indian forest surrounding people use different plant parts as food, medicine and also for many other purposes. In India, people generally depend on herbal plants for unhealthiness and skin disorders. Now a days there is a highly demand for medicinal plants. These herbal plants are mainly used in Ayurveda. All plants contain medicinal values. In some plants roots are used in herbal therapy, in some plants leaves, stems, fruits, flowers etc., Wild species are very rich in vitamins, minerals, medicinal values. All the plants are source of shelter, timber, food and clothing. These medicinal plants are rich in bio-active compounds that serve different pharmacological activities. Tribal people mostly depend on the plants around



INTERNATIONAL JOURNAL OF CURRENT SCIENCE (IJCSPUB)

INTERNATIONAL JOURNAL OF CURRENT SCIENCE (IJCSPUB)

An International Open Access, Peer-reviewed, Refereed Journal

Isolation And Culturing Of Four Pathogens Causing Diseases In Banana Crops At Rajamahendravaram, East Godavari District, Ap, India.

1. Mrs. M.Sri Devi, Lecturer in Botany, SKR Government Degree College (W), Rajamahendravaram, 533103, A.P, India.
2. Professor . D.Sandhya Deepika, Professor in Botany, Andhra University, Visakhapatnam, 530003, A.P, India.
3. Mrs. J.Lavanya, Lecturer in Botany, Visakha Govt Degree & PG College For Women, Visakhapatnam A.P, India.
4. Ms. B.Asha Latha, Lecturer in Botany, SKR Government Degree College (W), Rajamahendravaram, 533103, A.P, India.
5. Ms. M Sabitha, Lecturer in Botany, SKVT Government Degree College, Rajamahendravaram, 533103, A.P, India.
6. Ms. P.Sri Devi, Lecturer in Botany, SKR Government Degree College (W), Rajamahendravaram, 533103, A.P, India.
7. Mrs.T.NagaMuni, Lecturer in Botany, SKR Government Degree College (W), Rajamahendravaram, 533103, A.P, India.

Abstract

In India Banana is cultivated in an area of 830.5 thousand ha and total production is around 29,779.91 thousand tons. In the present study four pathogens were identified on the banana tree (*Musa acuminata* L.). Collected diseased parts of the banana plants in Rajahmundry and then samples of infected tissue such as corm, root, leaf, pseudostem, flower and fruit were collected and cultured. In the present study four pathogens such as *Fusarium* sps, *Alternaria* sps, *Glocoosporium* sps and *Erwinia* sps were isolated from banana Leaf, Leaf spot, fruit and Rhizome respectively. These pathogens cause diseases in banana plant so it effects the yeilding of banana plants.

Keywords: Identification, rhizome, pathogen, disease, banana, India

Introduction :

Banana is a significant natural product harvest of numerous tropical and subtropical locals of India. It is developed in India about of 830.5 thousand ha and all out creation is around 29,779.91 thousand tons. In India mainly banana developing states are Tamil Nadu, Maharashtra, Gujarat, Andhra Pradesh and Karnataka. The worldwide creation of banana is around 102028.17 thousand tons of which India contributes 29.19%. Other than India, other significant banana delivering nations are China, Philippines, Ecuador, Brazil and Indonesia.

In India banana is developed under different circumstances and creation frameworks. Determination of assortments, hence depends on countless assortments taking care of different sorts of necessities and circumstances. However, around 20 cultivars viz. Bantam Cavendish, Robusta, Monthan, Poovan, Nendran, Red banana, Nyali, Safed Velchi, Basarai, Ardhapuri, Rasthali, Karpurvalli, Karthali and Grandnaine and so forth.

Grandnaine is acquiring prevalence and may before long be the most preferred variety because of its resistance to biotic burdens and great quality packs. Bundles have all around dispersed hands with straight direction of figures, greater in size. Organic product creates alluring uniform yellow tone with preferred self life and quality over different cultivars.

Plants are contaminated by various types of microbial microorganisms and the expected inoculum for disease is available in the dirt, water and air, not withstanding plant have. Phytofungual microbes present difficult issues overall in horticulture and food industry, particularly in the subtropical and tropical locals. Moreover, many likewise produce mycotoxins, which are harmful to

Research Article

Screening of salt tolerant endophytic bacteria with plant growth promoting characters isolated from *Acanthus ilicifolius* L., a species of mangrove ecosystem located at Corangi wildlife sanctuary, Andhra Pradesh

D. Sandhya Deepika

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Deepika, D.S. et al. (2023). Screening of salt tolerant endophytic bacteria with plant growth promoting characters isolated from *Acanthus ilicifolius* L., a species of mangrove ecosystem located at Corangi wildlife sanctuary, Andhra Pradesh. *Journal of Applied and Natural Science*, 15(2), 518 - 525. <https://doi.org/10.31018/jans.v15i2.4384>

Abstract

Mangroves harbour many beneficial microorganisms in their rhizosphere, phyllosphere and endophytically, which forms an ideal ecological habitation for isolating halotolerant endophytic bacteria with unique characteristics. Endophytes can produce numerous bioactive secondary metabolites and phytohormones, which may be directly or in some way beneficial to the host plant. The present study aimed to identify novel endophytes capable of producing plant growth-promoting substances. The mangrove plants *Acanthus ilicifolius* L. at Corangi Wildlife Sanctuary were selected, and their leaves and roots were collected for endophyte isolation. Eight isolates from the leaves and roots were collected, purified and preserved. All these isolates were subjected to morphological, phenotypical and biochemical studies. Isolates were grown best at 3% NaCl nutrient agar and could tolerate salinity upto 8%NaCl. Most of them could grow upto 42°C. The majority were gram's positive, motile, aerobic, rod-shaped and some were gram's negative, rod-shaped organisms. Many of the endophytic organisms had the ability to synthesize Indole-3-acetic acid (IAA) varied from 0.7 µg/ml (AIL1) to 51.0 µg/ml (AIL2) and the highest phosphate solubilizing ability was recorded with AIR3 (3.71 ppm) followed by AIR4 (3.00 ppm) and lowest was recorded by AIL4 (1.60 ppm). Among total isolates, AIL2 (51µg/ml) showed promising potential in producing IAA and had phosphate solubilization ability. Based on 16S ribosomal RNA molecular method the isolate AIL2 was identified as *Bacillus altitudinis*. This is the first to report that *B.altitudinis* strain AIL2 isolated from *A.ilicifolius* L. could produce IAA, which can be used as a bioinoculant in agriculture and allied sector.

Keywords: *Bacillus altitudinis*, Endophytes, Indole 3-acetic acid, Mangroves, Plant growth promoting hormones

INTRODUCTION

Corangi Wildlife Sanctuary near Kakinada, Andhra Pradesh, India, is an estuary with the third largest extent of mangrove forest in India. Twenty-four mangrove tree species are found in these ecosystems. *Acanthus ilicifolius* L. is a plant species found in Corangi mangrove forest and has been extensively used by local communities as a traditional medicinal plant. Extracts from flowers, fruits, bark and leaves are used for the preparation of traditional medicines by these local communities (Forest Department, Government of Andhra Pradesh).

Endophytes colonize intercellular and extracellular regions of the tissues and able to enhance the growth of

the host plant. The exact methodology employed by endophytes is not well understood. However, they boost plant growth, which represents an essential step in establishing endophytic bacterial applications (Hardoim et al., 2008). The positive roles include the bacterial characters to improve the nutrients acquirement, acquisition of iron, nitrogen fixation, and phytohormone production (Zhang et al., 2009). The production of phytohormones during colonization with their host plant improves plant biomass and nutrient absorption (Shi et al., 2014).

Treatments of plant growth-promoting bacteria (PGPB) promotes plant growth in biotic and abiotic stress condition by fixing nutritional and hormonal balance, by solubilizing nutrients like potassium, phosphorous and



S.K.R GOVERNMENT DEGREE COLLEGE (WOMEN),
RAJAMAHENDRAVARAM



Guest Lecture

by

**Mrs. M. Sowjanya Lecturer in Microbiology,
All Ameer College, Rajamahendravaram.**

**Topic : Sterilization Techniques - Medium
Preparation.**



Date: 15-12-2022

Time : 11:00 AM

**Venue: Botany Lab, S.K.R Government Degree
College (W), Rajamahendravaram**

Organized by : Botany Department

12-12-2022.

Rajahendravaram.

To.

The principal,

SKR Government Degree college (W)

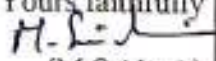
Rajahendravaram.

Sub: Permission to conduct guest lecture- reg.,

Respected Madam,

I am Mrs.M.Sridevi, Incharge of the Botany department planned to conduct Guest lecture for III B.Sc BZC (TM & EM) students on 15-12-2022. So, I request you to give me permission to conduct Guest lecture.

Thanking you.

Yours faithfully

(M.Sridevi)

12-12-2022.

Rajamahendravaram.

To,

The principal,

All Ameer College,

Rajamahendravaram,

East Godavari District.

Sub:- Permission to conduct guest lecture in Botany-- request to relive M.Sowjanya - reg..

Respected Sir,

Greetings from SKR Government Degree college (W) Rajamahendravaram. We wish to utilize the services of Mrs.M.Sowjanya Lecturer in Microbiology with regard to delivering a lecture to III B.Sc BZC (TM & EM) students.

Thanking you,

Principal,

SKR Government Degree college (W)

Rajamahendravaram.

**SMT KANDUKURI RAJYALAKSHMI GOVERNMENT
DEGREE COLLEGE (W), RAJAMAHENDRAVARAM**

REPORT ON DEPARTMENT ACTIVITY-2022-2023

DEPARTMENT OF : BOTANY

**NAME OF THE ACTIVITY : Guest Lecture on "Sterilization
Techniques - Medium Preparation".**

**RESOURCE PERSON :Ms.M. Sowjanya Lecturer in
Microbiology, All Ameer College Rajamahendravaram.**

DATE : 15/12/2022

TIME : 11.00 AM. TO 1.00 PM.

**NO. OF STUDENTS
PARTICIPATED: 70**

**NO. OF FACULTY
PARTICIPATED:04**

OBJECTIVES :

- ❖ The plant lets are obtained in a very short time with a small amount of plant tissue.
- ❖ The new plants produced are disease-free.
- ❖ The plants can be grown throughout the year, irrespective of the season.
- ❖ A large space is not required to grow plants by tissue culture technique.
- ❖ The production of new varieties in the market place speeds up.
- ❖ This technique is being used for the production of ornamental plants such as dahlia, chrysanthemum, orchids, etc.

EVIDENCE :



Signature of the
In charge of the Department



Signature of the
PRINCIPAL
S.K.R. Government Degree College (W.O.C.)
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh

**SMT KANDUKURI RAJYALAKSHMI GOVERNMENT DEGREE COLLEGE (W),
RAJAMAHENDRAVARAM**

REPORT ON DEPARTMENT ACTIVITY-2022-2023

DEPARTMENT OF : BOTANY	
NAME OF THE ACTIVITY : FIELD TRIP	
RESOURCE PERSON. : Smt.M.Sridevi and Kum. P. Sridevi	
DATE. : 26/11/2022	TIME. : 8.00 AM. to 5.00 PM.
NO. OF STUDENTS PARTICIPATED : 53	NO. OF FACULTY PARTICIPATED- Teaching : 02 Non-teaching : 03
OBJECTIVES : The purpose of the trip is usually observation for education, non experimental research or to provide students with experience to observe outside natural vegetation of forest and canopy of the forest, different wild species adaptations.	

DISCRIPTION IN BRIEF : We met one guide to explain in detail about the forest and their visiting spots. The guide explain in detail ad we noted down some notes and interviewed the guide about how many halophytic species are present in the Mangrove forest and how the protected from environmental disasters.

OUT COME : The trip was successful and we believed that our objective was achieved. We learned something new and beneficial. It was well recommended trip especially for BSC Life science students.

EVIDENCE. :

 Signature of the
In charge of the Department
  Signature of the
IQAC Co-ordinator
S.K.R. Government Degree College (Women)
RAJAMAHENDRAVARAM
East Godavari Dist., Andhra Pradesh
  Signature of the
PRINCIPAL
S.K.R. Government Degree College (Women)
RAJAMAHENDRAVARAM.
East Godavari Dist., Andhra Pradesh

S.K.R.GOVERNMENT DEGREE COLLEGE (W)

RAJAMAHENDRAVARAM

DEPARTMENT OF BOTANY FIELD TRIP

CORINGA WILD LIFE SANCTUARY

- INTRODUCTION :**

On 26-11-2022 II BSC (BZC) 53 students with 2 lectures went for a trip to "CORINGA WILD LIFE SANCTUARY" at Kakinada ,East Godavari District , to observe flora in the forest areas. CORINGA, also known as Korangi by natives, is a tiny coastal village of the East Godavari district, in Andhra Pradesh, India.

We arrived there at morning 8.00 A.M and visited lot of wild plants and rare species like *Avicennia marina*, *Rhizophora mucronata* etc.



- **TRIP OBJECTIVES:**

The purpose of the trip is usually observation for education, non experimental research or to provide students with experience to observe outside natural vegetation of forest and Canopy of the forest ,different wild species adaptations.



- **FIELD OBSERVATION:**

We met one guide to explain in detail about the forest and their visiting spots. The guide explain in detail and we noted down some notes and interviewed the guide about how many Halophytic species are present in the Mangrove forest and how the protected from environmental disasters. The question and answers session between students and guide took 2 hours around. We also visited and walk the wooden bridge and glass bridge in Mada forest area and seed different types of mangrove plants . Halophytic plants and rare species twigs to prepare Herbarium to preserve for further observation.

- **CONCLUSION:**

Our trip ended about 5.00pm it can be concluded that the trip was successful and we believed that our objective was achieved. We learned something new and beneficial. It was well recommended trip especially for BSC life science students.



S.K.R GOVERNMENT DEGREE COLLEGE (W)



RAJAMAHENDRAVARAM

REPORT ON DEPARTMENT ACTIVITY-2022-2023

DEPARTMENT OF : BOTANY	
NAME OF THE ACTIVITY : Field Trip	
PLACE : Maredumilli, Devarapalli, Rampachodavaram	
RESOURCE PERSON : Mrs. M.Sri Devi, Ms.P Sri Devi and Ms B.Asha Latha of SKR Government Degree College (W), Rajamahendravaram.	
DATE : 21/01/2023	TIME : 8.00 AM. TO 5.00 PM.
Class : III B.Sc	Group: BZC (TM & EM)
NO. OF STUDENTS PARTICIPATED : 65	NO. OF FACULTY PARTICIPATED Teaching : 03 Non Teaching : 03

M.S.D.
Signature of the
In charge of the Department

P. M. S.
Signature of the
Principal.
S.K.R. Government Degree College (Women)
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh

S.K.R.GOVERNMENT DEGREE COLLEGE (W)

RAJAMAHENDRAVARAM

DEPARTMENT OF BOTANY FIELD TRIP- MAREDUMILLI

INTRODUCTION :

On 21st January 2023 III BSC (BZC) 63 students with 3 lecturers went for a trip to Rubber Processing Unit Devarapalli and Coffee Plantation at Maredumilli, Rampachodavaram East Godavari District, to observe flora in the forest areas.

We arrived there at morning 8.00 am and visited areas rich in wild plants and rare species like *Pterocarpus santalinus* (Red sander), *Bixa orellana* (Food Colour) and Pinus Plantation. Also visited Rubber plantation Pepper plantation and Coffee plantation at Maredumilli.



TRIP OBJECTIVES:

- To enlighten the students with the flora of the region.
- The purpose of the trip is usually observation for education, non experimental research or to provide students with experience to observe outside natural vegetation of forest and Canopy of the forest ,different wild species adaptations.And also to sensitize students towards the need for conserving natural resources.

Rubber Processing Unit



Rubber Making



SRI USHA KIRAN NURSERY

ALL KINDS OF FRUIT & FLOWER PLANTS SUPPLIERS

Prop : *Degala Babulu & Sons*

KADIYAPULANKA , Kadiyam Mandalam, Veeravaram Road, E.G. Dt., (A.P.)

E-mail : ushakirannursery@gmail.com Website : www.sriushakirannursery.com



SRI USHA KIRAN NURSERY

Date 24-02-2020

MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

DEPARTMENT OF BOTANY

SMT. KANDUKURI RAJYALAKSHMI COLLEGE FOR WOMEN,
RAJAHMUNDRY, AP.

AND

SRI USHA KIRAN NURSERY

KADIYAPULANKA, KADIYAM MANDAL, EAST GODAVARI DT., (AP).

This Memorandum of Understanding(MOU) sets for the terms and understanding for training and employment possibilities for the students of "Department of Botany", SKR COLLEGE FOR WOMEN, Rajahmundry.

The Objectives of MOU Are:

- To promote and enhance interest between students of Botany Department, Smt. Kandukuri Rajyalakshmi College for Women, Rajahmundry and Sri Usha Kiran Nursery, Kadiyapulanka, Kadiyam mandal, East Godavari Dt.,(AP).
- To provide advice for implementation of quality education at Department of Botany, SKR COLLEGE FOR WOMEN, Rajahmundry.

- To bridge the gap between the requirements of the potential employers and education by providing skill-development programmes for the improvement of employability of the students.
- The two institution will encourage direct contact and cooperation between students and experts in this field for the exchange of facilities and equipment.
- The above goals will be accomplished by the activities such as educational visit, short-term training and internships.
- Recognise the mutual interest in the fields of training and development and dissemination of knowledge.

By signing below the institutes acting by their duly authorized Officer, have caused this memorandum of understanding to be executed effective as of the day and year first above written on today i.e., on 24-02-2020 for a period of three academic years (2020-2023).

P. Ramesh
Principal 24/2/2020

SKR College For Women
Rajamahendravaram
East Godavari Dt., AP.

PRINCIPAL
S.K.R. College for Women
RAJAHMUNDRY - 533 103



Deegala Ramu.

Sri Usha Kiran Nursery
Kadiyapulanka,
Kadiyam mandal,
East Godavari Dt., AP.

SRI USHA KIRAN NURSERY
Kadiyapulanka , Kadiyam (M)
East Godavari (Dist) A.P. 533126.
Call: 9849509475, 8919559377



LAKSHMI MUSHROOMS

104-8-485/1, Savithri Nagar,
HUKUMPETA, Rajahmundry Rural, E.G.Dist., (A.P.)
E-mail : lakshnimushrooms9@gmail.com

Date : _____

MEMORANDUM OF UNDERSTANDING (MOU)
BETWEEN
DEPARTMENT OF BOTANY
S.K.R.COLLEGE FOR WOMEN, RAJAMAHENDRAVARAM,
EAST GODAVARI DIST.,A.P
AND
SRI LAKSHMI MUSHROOM INDUSTRY
HUKUMPETA, RAJAMAHENDRAVARAM,
EAST GODAVARI DIST.,A.P

This Memorandum of Understanding (MOU) Sets For The Terms And Understanding For Training And Employment Possibilities For The Students Of Department Of Botany , S.K.R.College For Women, Rajamahendravaram.

The Objective Of MOU Are :-

- To Promote and Enhance Interest Between Students of Botany Department.
- To Provide advice for implementation of quality education.
- To Bridge the gap between the requirements of the potential employers and education by providing skill development of employability of the students.
- The two institution will encourage direct contact and co-operation between students and experts in this field for the exchange of facilities and equipment.
- Recognize the mutual interest in the fields of training and development and dissemination of knowledge.

By signing below the institutes acting by their duly authorized officer have caused their memorandum of understanding to be executed effective as of the day and year first above written on today i.e 05/11/2021 for a period of three academic years (2021 to 2024).


Signature of the Principal

PRINCIPAL
S.K.R. COLLEGE FOR WOMEN
HITHAKARINI SAMAJ
Endowments Dept.,Govt.Of Andhra Pradesh
RAJAMAHENDRAVARAM


Signature of the Proprietor

LAKSHMI MUSHROOMS
RAJAHMUNDRY,

MEMORANDUM OF UNDERSTANDING (MOU)
BETWEEN
DEPARTMENT OF BOTANY
SMT.KANDUKURI RAJYALAKSHMI COLLEGE FOR WOMEN,
RAJAMAHENDRAVARAM, ANDHRAPRADESH
AND
QREN LIFESCIENCES PVT. LTD.
AMEERPET, HYDERABAD,
TELANGANA, INDIA

This Memorandum of Understanding (MOU) sets for the terms and understanding for training and employment possibilities for the students of "Department of Botany", S.K.R.COLLEGE FOR WOMEN, Rajamahendravaram.

Objectives of the MOU:

The objectives of MOU are:

- To promote and enhance interest between students of Botany Department, Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and QREN LIFESCIENCES PVT.LTD., AMEERPET, HYDERABAD, TELANGANA, INDIA.
- To provide advice for implementation of quality education at Department of Botany, Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram.
- To bridge the gap between the requirements of the potential employers and education by providing skill-development programmes for the improvement of employability of the students.
- The two institutions will encourage direct contact and cooperation between students and experts in this field for the exchange of facilities and equipment.
- The above goals will be accomplished by the activities such as educational visit, short-term training and internships.
- Recognise the mutual interest in the fields of training and development and dissemination of knowledge.

Proposed modes of Collaboration

Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and QREN LIFESCIENCES PVT.LTD., Ameerpet, Hyderabad, Telangana, India proposed to collaborate through the following:

- Cooperation and promotion of education, training and research in the areas of mutual interest.
- Any other appropriate mode of interaction agreed upon between Department of Botany, Smt. Kandukuri Rajyalakshmi College for Women, Rajamahendravaram and QREN LIFESCIENCES PVT.LTD., Ameerpet, Hyderabad, Telangana.
- A specific plan will be worked out by the institute depending upon availability of resource.
- A specific agreement will be entered into for each activity.

TERMS AND CONDITIONS

Duration: This MOU is at will and may be modified by mutual consent of authorized officials from the list partners.

Coordinators: College and QREN LIFESCIENCES PVT.LTD., Ameerpet, Hyderabad, Telangana will designate persons who will have responsibility for co-ordination and implementation of this agreement.

Signed in Duplicate: This MOU is executed in duplicate with each copy being an official version and having equal legal validity.

By signing below the institutes acting by their duly authorised Officer, have caused this memorandum of understanding to be executed effective as of the day and year first above written on today i.e., on 01-04-2022 for a period of two academic years.



Principal

S.K.R.College for Women,
Rajamahendravaram

East Godavari- A.P
S.K.R. COLLEGE FOR WOMEN
HITHAKARINI SAMAJ
Endowments Dept, Govt. of Andhra Pradesh
RAJAMAHENDRAVARAJ





QREN LIFESCIENCES PVT.LTD.
Ameerpet, Hyderabad
Telangana -500016

QREN LIFE SCIENCES PVT. LTD.
6-3-852/2B/11, Aparajita Colony,
Lal Bungalow, Ameerpet,
Hyderabad-500 016.



ఆంధ్రప్రదేశ్ రాష్ట్ర ప్రదేశ్ ANDHRA PRADESH
Serial No: 12857
Purchased By :
P.RAGHAVA KUMARI
D/O PINIPEY SATYANARAYANA
RAJAHMUNDRY

Denomination: 100 Date: 14-09-2022
For:
SKR GOVT. DEGREE COLLEGE
(PRINCIPAL)
RAJAHMUNDRY

Stamp S. no DB 963906
DB 963906
Sub Registrar
Ex. Office Stamp Vendor
SRC - Rajahmundry (R.O)

MEMORANDUM OF UNDERSTANDING

BETWEEN SKR Government Degree College (Women), Rajamahendravaram
AND
SKVT Government Degree College, Rajamahendravaram

1. Parties:

The Memorandum of Understanding (Here in after referred to as MOU) is made and entered into by and between the

- Department of Botany,
SKR Government Degree College (Women),
Rajahmahendravaram, East Godavari District.
And
- Department of Botany
SKVT Government Degree College,
Rajahmahendravaram, East Godavari District.


PRINCIPAL
SKR Government Degree College (Women),
Rajahmahendravaram,
East Godavari District.




PRINCIPAL
S.K.V.T. Government Degree College
Rajahmahendravaram
East Godavari Dist, A.P. INDIA

2. Purpose:-

The purpose of this MOU is to promote and enrich teaching and learning process through exchange of faculty for guest lectures and to provide an opportunity for the students to teach the peers.

3. Activities:-

The two institutions agree to:

A. Encourage the development of research projects involving faculty and students from both the parties.

B. Cooperate with each other in the conduct of guest lectures /invited talks and in organizing various academic and laboratory oriented practical's, seminars, symposia, workshops, fests, events and the competitions such as quiz, elocution, essay writing, role plays and the like by students at each other institutions.

C. Facilitate party 1 to conduct outreach training programs to all the faculty and students of party 2 in the areas of research field in order to enhance the teaching skills and competencies of the latter both in terms of subject and knowledge and effective implementation of pedagogical tools in student centric method.

4. Duration of the agreement:

This MOU is valid for TWO years i.e., 2022 to 2024, starting on the date that is signed by the SKR Government Degree College (Women), Rajamahendravaram and SKVT Government Degree College, Rajamahendravaram. The MOU can be terminated by other one of the two parties with their return notification 3 months in advance of the anticipated termination. It may also be extended by mutual agreement of the parties involved.

Any difficulty or controversy that may arise between the collaborating institutions will be amicably resolved by the authorities of both institutions.

5. Responsibilities of the parties:

The signatories of both parties permit their faculty and students to attend and participate in guest lectures, invited talks, seminars, workshops, symposium along with various other science departments' oriented academic competitions such as quizzes, role plays, elocution, essay writing, performances of skills and the like.

The parties shall entrust a faculty member in their respective institutions to liaison between the parties.

6. Signatures:

In witness whereof, the parties to this MOU through their duly authorized representatives have executed this MOU on the days and dates set out below and certified that they have read understood and agreed to the terms and conditions of this MOU as set forth herein.

The effective date of this MOU is the date of the signature affixed to this page.



SIGNATURE OF THE PRINCIPAL

PRINCIPAL
S.K.R. Government Degree College (Women)
RAJAMAHENDRAVARAM,
East Godavari Dist., Andhra Pradesh



SIGNATURE OF THE PRINCIPAL

PRINCIPAL
S.K.V.T. Government Degree College
Rajamahendravaram
East Godavari Dist, A.P. INDIA



DEPARTMENT OF BOTANY

LIST OF HIGER EDUCATION 2022-2023

S.NO	CLASS	NAME OF THE STUDENT	SUBJECT	APPG CET RANK	UNIVERSITY/COLLEGE
1	III BSC CBZ	VEERINA PRANITHA	BOTANY	58	
2	III BSC CBZ	JUPUDI PRATHUSHA	BOTANY	112	ANDHARA UNIVERSITY VISAKAHAPATANAM
3	III BSC CBZ	KASAGANA VENI SRIDEVI	FOOD AND NUTRITION SCIENCE	186	ANDHARA UNIVERSITY VISAKAHAPATANAM
4	III BSC CBZ	MASABATHULA NIHARIKA	BOTANY	238	ANDHARA UNIVERSITY VISAKAHAPATANAM
5	III BSC CBZ	MADAKAM PRIYANKA	BOTANY	330	
6	III BSC CBZ	PEDDADA BHARATHI LUCKY	BOTANY	373	ADIKAVI NANNAYA UNIVERSITY R.J.Y

APPGCET-2023
Post Graduate Common Entrance Tests
 (Conducted by Andhra University, Visakhapatnam on behalf of APSCHE)

RANK CARD

Hall Ticket No. : 30320230450
 Candidate's Name : VEERINA PRANITHA
 Father's Name : VEERINA GOPALAM
 Test Code & Paper : 303 : Botany

Community
BC-B

Date of Birth
25/07/2003

Marks Obtained
Rank

57
58

Convener

✓ Verified

INSTRUCTIONS TO THE CANDIDATE

1. The admissions into first year of various B.C. Courses (M.A., M.Com., M.Sc. - MCI, K.E.N.C., M.E.D.U., M.E.P., M.Sc. Tech. etc.) in the Academic Year 2022-23 offered by Andhra Pradesh State Funded Universities and their Constituent/Associated Government and Private (Autonomous) Colleges including Minority Educational Institutions in the State will be made through a centralized web portal. Further, the schedules will be available in websites. The qualified candidates are advised to visit the websites from time to time for further admission schedules.

2. The eligibility of the candidates is not verified / checked at the time of application and during the entrance test. The verification will be done only during the admissions. Hence, candidates are advised to ensure that they are eligible for the course/ subject they are applying for admission.

3. The candidates called for certificate verification must have the following original certificates/documents to submit for verification.

- I. Rank Card and Hall Ticket of APPGCET - 2023.
- II. Transfer Certificate (T.C.) from the institution where the candidate has last studied.
- III. Degree certificate and complete transcript of marks or consolidated marks of qualifying examination (the downloaded marks are not allowed). The candidate should ensure that he/she has passed the qualifying examination with requisite percent of marks without any back / has admission with out Certificate.
- IV. Secondary School or High School Certificate or Proof of Final's New Local status of the candidate as per the rules in force.
- V. Income certificate from 2018-19 onwards or Proof of Final's New Local status of the candidate as per the rules in force.
- VI. Community Certificate issued by Tahsildar on or after 01.01.2023, if applicable.
- VII. Latest Income Certificate issued by Tahsildar on or after 01.01.2023, if applicable.
- VIII. Certificate of special categories, if applicable, and when called for admissions under these categories.
- IX. Aadhaar Card.

4. In addition to the above, the candidates must also submit passport size photographs that are similar to those submitted during the online.

APPGCET - 2023
Post Graduate Common Entrance Tests
 (Conducted by Andhra University, Visakhapatnam on behalf of APSCHE)






BANK CARD

Hall Ticket No.	2022020081	Rank	01	University	UGC-B
Candidate's Name	KASAGANA VENI SHIDEVI	Father's Name	KASAGANA BHOGESWARA RAO	Date of Birth	04/08/2002
Test Code & Paper	302 : PNN	  			
Marks Obtained					

IMPORTANT INSTRUCTIONS

- The admissions into Post Graduate Courses (PG Courses) in A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

APPGCET - 2023
Post Graduate Admissions
 (Conducted by Andhra University, Visakhapatnam on behalf of APSCHE)

Hall Ticket No.	2022020081	Rank	01	University	UGC-B
Candidate Name	KASAGANA VENI SHIDEVI	Father's Name	KASAGANA BHOGESWARA RAO	Date of Birth	04/08/2002
Gender	Female (F)	Cast/Region	SC - RWL		

PROVISIONAL ALLOTMENT ORDER FOR APPOINTED COLLEGE(S)

This is to inform that the options exercised by the candidate have been processed based on merit, rank, seat area, gender, category, Special Reservation Category (SAR/PS/NC/SPORTS) etc and the candidate has been allowed a seat in
 A U College of Science & Technology, (AUGSST), Visakhapatnam
 B M Sc. Home Science (Food, Nutrition & Dietetics), (B003) under DC_PNV_GEN_AU category.
 Tuition Fee fixed for the emplacements is Rs. 7500/-.
 Tuition fee to be paid by the candidate at the time of admission is Rs. 7500/-.

Instructions to Candidates :

- The candidate is instructed to report by affixing an Allotment letter and Self-Reporting under Forms tab from website <https://mche.ap.gov.in>
- Take print out of two copies of joining report and report to the allotted college with all original certificates. Submit a copy of joining report and obtain acknowledgment on 2nd copy from the College where you have reported and retain the same with you.
- If any candidate fails to submit valid original certificates for verification in claiming higher qualification, caste, region and any other mandatory provisions, at the allotted college, provisional allotment at the seat will be cancelled automatically.
- Self Self-reporting and reporting at the allotted college is compulsory to retain the present allotment. The seat fee for Self reporting and reporting at the allotted College is 10/10/2023. Pay all necessary fees, if any to the allotted college.
- If you do not report through Self-reporting system under self-reporting at the allotted college, the provisional allotment will be cancelled and you have no claim on the seat allotted.
- If the assessement conducted verified found false at a later date, your allotment will be cancelled and you are also liable for criminal prosecution.
- All the Principals are requested to verify the original certificates viz caste, study, income and Degree/Equivalent certificates of the admitted candidates thoroughly and request to bring to the notice of the Convener, APPGCET-2023 Admissions for any deviation.
- The candidate is informed that the class work shall be completed from 06/10/2023, and directed to attend the class work.

CONVENER
 APPGCET-2023 ADMISSIONS

*** This computer generated Provisional Allotment Order does not require any signature. ***

APGCET-2023 Post Graduate Common Entrance Exam (Conducted by Andhra University, Visakhapatnam on behalf of APSHC)		
RANK CARD		
Roll Number No. Candidate's Name Father's Name Test Code & Paper	30520230321 MANABATHULA NIBARINA MANABATHULA ARMSTRONG 305 - History	Community SC Date of Birth 22/06/2003
Marks Obtained Rank 	JP 238 CHAIRMAN	
<p style="text-align: center;">INSTRUCTIONS TO THE CANDIDATE</p> <p>1. The information given this year of admission is as per the Rules (No. 4, of 2020, of 2021, of 2022, of 2023) of APSHC, APGCET, M Ed, M Ed (D), M Ed (Tech) and the Academic Year 2022-23 notified by Andhra Pradesh State Public Universities and their Constituent Affiliated Institutions and Private (Deemed to be) Universities (Including Autonomous) Educational Institutions in the State with the status of public or deemed to be private or deemed to be university. Candidates are to refer to the website for details on admission. The qualified candidates are advised to visit the website from time to time for further admission details.</p> <p>2. The signature of the candidate is not verified / decided at the time of admission and during the admission test. The verification will be done only during the admission. Hence, candidates are advised to ensure that their signature for the course / subject they are applying for is authentic.</p> <p>3. The candidate called for verification should have the following original documents / documents to be produced for verification: I. Mark Sheet and final Report of APGCET-2023 - 2023 II. Transfer Certificate (if applicable) from the institutions where the candidate has last studied III. Copy of candidate's complete matriculation or certificate of completion of secondary education (the matriculation certificate and certificate of completion of secondary education should be - the best passed the qualifying examination with separate grant of marks without 50% to 60% - has not been used) and its equivalent IV. Certificate issued by Educational Institutions V. Candidate's mark sheet / mark statement or award as Local / Non-Local status of the candidate as per the rules in force. VI. Passbook / Voter Card as applicable VII. Latest Income Certificate issued by Taluk office on or after 01.01.2023, if applicable VIII. Certificate of marital status, if applicable and when called for admission under given categories IX. Aadhar Card 4. In addition to the above, the candidate may also submit passport size photographs that are similar to those retained during the exam.</p>		

APGCET - 2023 Post Graduate Admissions (Conducted by Andhra University, Visakhapatnam on behalf of APSHC)			
Roll Number NO	30520230321	RANK	238
Candidate Name	manabathula nibarina	Father's Name	MANABATHULA ARMSTRONG
Gender	Female/F	Category	SC/AF
<p style="font-size: small;">(GENERAL RESERVATION UNDER THE APGCET-2023 REGULATIONS)</p> <p>This is to inform that the options exercised by the candidate have been processed based on merit, rank, local area, gender, category, Special Reservation Category (SC/PH/BC/SPORTS) etc and the candidate has been allotted a seat in A U College of Science & Technology, (AUCST), Visakhapatnam in M. Sc. Botany, (PGSS) under SC,SCA,AF category. Tuition fee fixed for the college/course is Rs. 42000/-. Tuition fee to be paid by the candidate at the time of admission is Rs. 0/-</p> <p><i>(Tuition fee exempted under fee reimbursement category)</i></p> <p>Tuition fee exempted under fee reimbursement category the students belonging to SC/ST/BC/BEDC/Dwivedi/Minority categories will be considered for Fee Reimbursement of Tuition Fee under Jagananna Vidya Deevena (JVD) scheme subject to verification and eligibility criteria prescribed by State Government of Andhra Pradesh vide G.O.M.S.No.08 dated 05/09/2019 of Social Welfare (D.V.EDN.2) Dept., G.O.M.S.No.116 dated 13/11/2019 of Social Welfare (EDN) Dept., G.O.M.S.No.77 dated 25/12/2020 of Social Welfare and Higher Education Dept., Govt. of A.P. from time to time. In the event of the candidate found not eligible for fee reimbursement at a later date, the candidate shall have to pay the total fee as prescribed by the Constituent authority.</p> <p>You are eligible for tuition fee reimbursement under the Jagananna Vidya Deevena Scheme. The tuition fee will be paid to your mother's bank account in four installments. Hence, you are requested to pay the tuition fee amount within one week to the college from the date of receiving the tuition fee amount from the Government.</p> <p>Instructions to Candidates</p> <ol style="list-style-type: none"> The candidate is instructed to report by sticking on Admission letter and Self-Reporting under Form 100 from website https://apgcet.ap.gov.in Take print out of two copies of joining report and report to the allotted college with all original certificates. Submit a copy of joining report and obtain acknowledgment on 2nd copy from the College, where you have reported and return the same with you. If any candidate fails to submit valid original certificates for verification or claiming higher qualification, caste, region and any other mandatory provision, at the allotted college, provisional allotment of the seat will be cancelled administratively. Both Self-reporting and reporting at the allotted college is compulsory to retain the present allotment. The last date for Self-reporting and reporting at the allotted college is 10/10/2023. Pay all necessary fees if any to the allotted college. If you do not report through Self-reporting system and/or not reporting at the allotted college, the provisional allotment will be cancelled and you have no claim on the seat allotted. If the academic documents verified found false at a later date, your allotment will be cancelled and you are also liable for criminal prosecution. All the Parents are requested to verify the original certificates viz caste, study, income and Degree/Equivalent certificates of the allotted candidate thoroughly and request to bring to the notice of the Governor, APGCET-2023 Admissions for any deviation. The candidate is informed that the college work shall be commenced from 01/10/2023 and directed to attend the class work. 			



APPGCET-2023

Post Graduate Common Entrance Tests



(Conducted by Andhra University, Visakhapatnam on behalf of APSCHE)

RANK CARD

Hall Ticket No. : 30320230380
 Candidate's Name : PRIYANKA MADAKAM
 Father's Name : MADAKAM SURYA CHANDRAM DORA
 Test Code & Paper : 303 : Botany

Community
STDate of Birth
17/08/2002

Marks Obtained

42

Rank

330



Convener



M. Logam

INSTRUCTIONS TO THE CANDIDATE

- The admissions for first year of various P.G. Courses (M.A., M.Com., M.S., M.C., M.J.M.C., M.L.L.B., M.Ed., M.F.E., M.Sc. Tech etc.) in the Academic Year 2023-24 offered by Andhra Pradesh State funded Universities and their Constituent/ Affiliated (Government and Private/Aided/Unaided) Colleges including Minority Educational Institutions in the State will be made through a centralized web portal. Further, the schedule will be available on website. The qualified candidates are advised to visit the website from time to time for further admissions schedule.
Website: <https://entrappcet.ap.gov.in>
- The eligibility of the candidates is not verified / decided at the time of application and during the entrance test. The verification will be done only during the admissions. Hence, candidates are advised to ensure that they are eligible for the course, subject they are applying for admission.
- The candidates called for certificate verification must have the following original certificates / documents to upload for verification:
 - Rank Card and Hall Ticket of APPCET - 2023
 - Transfer Certificate (T.C.) from the institution where the candidate has last studied.
 - Degree certificate and complete marksheet of marks or consolidated marks of qualifying examination (the downloaded memo are not allowed). The candidate should ensure that he / she has passed the qualifying examination with requisite percent of marks without which he / her admission will not be performed.
 - Secondary School or 10th std. Certificate
 - Boarding certificate from 9th Class onwards or Proof of Local / Non-Local status of the candidate as per the rules in force.
 - Community - Cast Certificate, if applicable.
 - Latest two size Photographs issued by Talukdar must after 01.04.2023, if applicable.
 - Certificate of special category, if applicable, and when called for admission under these categories.
 - Andhra Card.
- In addition to the above, the candidates must also upload passport size photographs that are similar to those uploaded during the online.


APPGET-2023
Post Graduate Common Entrance Tests
 (Conducted by Andhra University, Visakhapatnam on behalf of APSCH)



RANK CARD

Hall Ticket No. : 30320230312			Community SC
Candidate's Name : PEDDADA BHARATH LUCKY			Date of Birth 17/11/2002
Father's Name : PEDDADA RAMA RAO			
Test Code & Paper : 303 : Botany			

Marks Obtained	41		
Rank	373		Convener




INSTRUCTIONS TO THE CANDIDATE

- The admissions from first year of various PG Courses (B.A., M.Com., M.Sc., M.T., M.F.M.C., M.L.L.B., M.Ed., M.P.Sol., M.Sc. Tech and Private (Aided Unaided)) Colleges including Minority Educational Institutions in the State will be made through a computerized web system. Further, the schedule will be available in websites. The qualified candidates are advised to visit the websites from time to time for further admissions schedules.
Websites: <http://www.apscche.org>
- The eligibility of the candidates is not verified / checked at the time of application and during the entrance test. The verification will be done only during the admissions. Hence, candidates are advised to ensure that they are eligible for the course/ subject they are applying for admission.
- The candidates called for verification/verifications must have the following original certificates/documents to upload for verification:
 - I. Rank Card and Hall Ticket of APPGET - 2023.
 - II. Degree Certificate (if any) from the institution where the candidate has last studied
 - III. Degree certificate and complete record of marks in consolidated form of qualifying examination (the downloaded marks are not allowed). The candidate should ensure that he / she has passed the qualifying examination with requisite percent of marks without which he / her admission will not be entertained.
 - IV. Secondary School or 10th std. Certificate.
 - V. Bonafide certificate from 9th Class onwards or (Proof of Local / Non-Local status of the candidate as per the rules in force).
 - VI. Community / Caste Certificate, if applicable.
 - VII. Latest Income Certificate issued by Tahsildar on or after 01.01.2023, if applicable.
 - VIII. Certificates of special categories, if applicable, and when called for admission under these categories.
 - IX. Aadhaar Card.
- In addition to the above, the candidates must also upload passport size photographs that are similar to those uploaded during the online.


APPGET - 2023
Post Graduation Admissions
 (Conducted by Andhra University, Visakhapatnam on behalf of APSCH)



Hall Ticket No.	30320230312	Rank	41
Candidate Name	PEDDADA BHARATH LUCKY	Father's Name	PEDDADA RAMA RAO
Gender	Female (F)	Category	SC/ST

This is to inform that the options exercised by the candidate have been processed based on merit, rank, local area, gender, category, Special Reservation Category (SC/ST/NT/NT-D/ORTD) etc and the candidate has been allotted a seat in **Aditya Nayana University, URSUL, Rajamahendravaram** in **M.Sc. Botany, PGDDB** under **SC, GEN, ST** category. **Tuition Fee fixed for the category is Rs. 14000/-**. **Tuition fee to be paid by the candidate at the time of admission is Rs. 30/-**

*Tuition fee exempted under fee reimbursement category.

Tuition fee exempted under fee reimbursement category the students belonging to SC/ST/NT/NT-D/ORTD/SC/ST/NT/NT-D/ORTD categories will be exempted from the reimbursement of tuition fee under Jagannatha Veda Desikam (JVD) scheme subject to confirmation and eligible order is prescribed by State Government of Andhra Pradesh vide G.O. Ms. 543-00 dated 04/06/2019 or social welfare (SW SC/ST) Dept., G.O. Ms. 215 dated 13/11/2019 or Soc. Welfare (SW) Dept. G.O. Ms. 2149/72 dated 18/03/2014 or social welfare and higher Education Dept., Govt. of A.P. from time to time. In the event of the candidate found not eligible for fee reimbursement at a later date, the candidate shall have to pay the total fee as prescribed by the competent authority.

You are eligible for loan fee reimbursement under the Jagannatha Veda Desikam Scheme. The tuition fee will be paid to your mother's bank account in four instalments. Hence, you are requested to pay the tuition fee amount within one week to the college from instructions to Candidates.

1. The candidate is instructed to report by clicking on **Admission Letter** and **Self-Reporting** under **Form 1a** from website <http://www.apscche.org>
2. You print out of two copies of joining report and report to the allotted college with all original certificates. Submit a copy of joining report and obtain acknowledgment on one copy from the College where you have reported and return the same with you.
3. If any candidate fails to submit valid original certificates for verification or claiming no. for qualification, caste, region and any other mandatory provisions at the allotted college, provisional allotment of the seat will be cancelled automatically.
4. Both Self-reporting and reporting at the allotted college is compulsory to retain the provisional allotment. The last date for Self-reporting and reporting at the allotted College is 10/08/2023. Pay all necessary fees if any to the allotted college.
5. If you do not report through Self-reporting system and/or not reporting at the allotted college, the provisional allotment will be cancelled and you have no claim on the seat allotted.
6. If the admission materials worked found false at a later date, your allotment will be cancelled and you are also liable for criminal prosecution.
7. All the candidates are requested to verify the original certificates via www.apscche.org and Degree/Equivalent certificates of the admitted candidates through and request to bring to the notice of the Convener, APPGET-2023 Admissions for any deviation.
8. The candidate is informed that the class work shall be conducted from 01/08/2023 and directed to attend the class work.


CONVENER



S K R GOVERNMENT DEGREE COLLEGE (WOMEN)



G.O.Ms.No. 28, Higher Education Department, Dated 10-08-2022

Re-Accredited at B' Grade by NAAC

Affiliated to Adikavi Nannaya University

Opp. T.T.D. Kalyana Mandapam, Danavaipeta, Rajamahendravaram, E.G.Dist., A.P

www.skrgcdwrjy.ac.in

Established 1966

E-mail: skrgcdwrjy@gmail.com

DEPARTMENT OF BOTANY

ACTION PLAN 2022 – 2023





S K R GOVERNMENT DEGREE COLLEGE (WOMEN)



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DEPARTMENT OF BOTANY

ACTION PLAN FOR THE ACADEMIC YEAR 2022 – 2023

S.No	Month/Year	Proposed Activities	Remarks
1	September-2022 I Week	Preparation of annual Action Plans	Yes
	II Week	Conduct of "World Ozone Day" on this occasion I BSC CBZ Students prepared placard and slogans to create awareness	Yes Conducted
	III Week	II Year students internship	Yes
	IV Week	Preparation of annual Curricular Plans	Yes
2	October-2022 I Week	A report on all the activities conducted in the department for the academic year is maintained.	Yes
	II Week	Preparation of e-content	
	III Week	Conduct of I BSC CBZ Students Orientation program	
	IV Week	Conduct of bridge course to the I Year students	
3	November-2022	Assignment	

	I Week		
	II Week	Conduct online Quiz	
	III Week	Conduct of Guest Lecture by eminent academician.	
	IV Week	Student Group discussions & Assignment	
4	December-2022 I Week	Conduct of students peer teaching	
	II Week	I Midterm examinations III,II & I Year students	
	III Week	Conduct of Green audit	
	IV Week	Conduct of Medicinal garden development	
5	January-2023 I Week	Conduct of Field visit for final year students	
	II Week	Sankranti sambharalu	
	III Week	Conduct of student seminars	
	IV Week	Conduct of students clean and green program	
6	February-2023 I Week	Add-on course:- Plant tissue culture lab	
	II Week	II Midterm examinations for III,II & I Year students	
	III Week	Conduct of Remedial Coaching	
	IV Week	Remedial Coaching /Students feedback/ National Science day	
7	March-2023 I Week	Conduct of study hours	
	II Week	Preparation of e-content (even sem)	
	III Week	Preparation of curricular plans for even sem	
	IV Week	III Year students Internship	
8	April - 2023 I Week	Value added course : Natural forming in association with "Rythu	

		Sadhikara samstha" (RYSS)	
	II Week	Students Group Discussion	
	III Week	Assignments	
	IV Week	Conduct of online Quiz	
9	May - 2023 I Week	I Midterm examination for II & I Year	
	II Week	Conduct of student seminars	
	III Week		
	IV Week	Conduct of Guest Lecture by eminent academician.	
10	June - 2023 I Week	Field visit to Mushroom cultivation for I Year students	
	II Week	II Midterm examinations for II & I Year (Online)	
	III Week	Remedial Coaching / Departmental feedback	
	IV Week	Conduct of study hours / Institutional feedback.	


 Signature of the
 Incharge of Department
 S.K.R. Government Degree College
 RAJAMAHENDRAVARAM
 East Godavari Dist., Andhra Pradesh


 Signature of the
 PRINCIPAL
 S.K.R. Government Degree College (Women)
 RAJAMAHENDRAVARAM.
 East Godavari Dist., Andhra Pradesh



SKR COLLEGE FOR WOMEN
RAJAMAHENDRAVARAM



DEPARTMENT OF BOTANY
BEST PRACTICES



PREPARATION OF
DHRAVAJEEVAMRUTHAMU

OBJECTIVES OF THE PRACTICE :

- To avoid pesticides and maintain a healthy environment.
- To promote organic sustainable agriculture practices.
- DhravaJeevamrutham has beneficial microorganisms that help soil fertility. It turns normal soil into rich healthy soil and helps plants to grow faster and produce good crops.

NEED ADDRESSED AND THE CONTEXT:

- It can be made at minor cost with the plant leaves and urine available locally.
- It has no side effects on the soil and the produce.
- It boosts the plant and its growth, gives a good yield.
- Gives resistance against pests and diseases.
- Increases beneficial organism activity and promotes organic carbon in the soil.
- It is completely organic and provide all the nutrients required for plant growth and it also prevents plants from pest and diseases. Unlike other organic manure that takes months to be prepared, you can prepare dhrava jeevamrutham within a week.

THE PRACTICE:

Mr. P. V.S. Gowtham, Master trainer, H.R of Rythu sadhikara Samstha guided the students of B.Sc BZC to prepare Ghana and Dhrava jeevamruthamu by using Cow dung, cow urine, Jaggery and basan powder in the college campus under best practice organized by Botany of the department.

PREPARATION:

- For the preparation of 100 lit of Dhravajeevamruthamu, take 100 liter water in a drum and add 10 kg cow dung plus 10 lit in cow urine.
- Mix well with the help of wooden stick add 2 kg jaggery and 2 kg of Besan powder mix this solution well with wooden stick.
- Keep this solution for fermentation for 5 to 7 days.

CONCLUSION:

The preparation methods are helped the B.Sc students to know the procedure, importance and usage of dhravajeevamruthamu. Students spend their time and actively participated in the preparation of dhravajeevamruthamu. The main aim of this activity is students should aware of the advantages of organic farming and sustainable agricultural practices. It is a good skill development practice to the students.

EVIDENCE:



Procedure Explanation



Department of Botany

Green campus



**MEDICINAL GARDEN IN OUR
CAMPUS**

1. Objective of the Practice :

To enumerate the number of trees and plants available on the campus.

To label plants/trees.

To realize the purpose or usefulness of plants/trees.

2. Need Addressed and the Context:

To have the awareness of richness of plant kingdom on the campus

To uphold and sustain ecosystem.

To improve the environment.

3. The Practice:

Implemented from the year 2015-16

Web reference.

Identification of flora and fauna on the campus.

4. Evidence of Success:

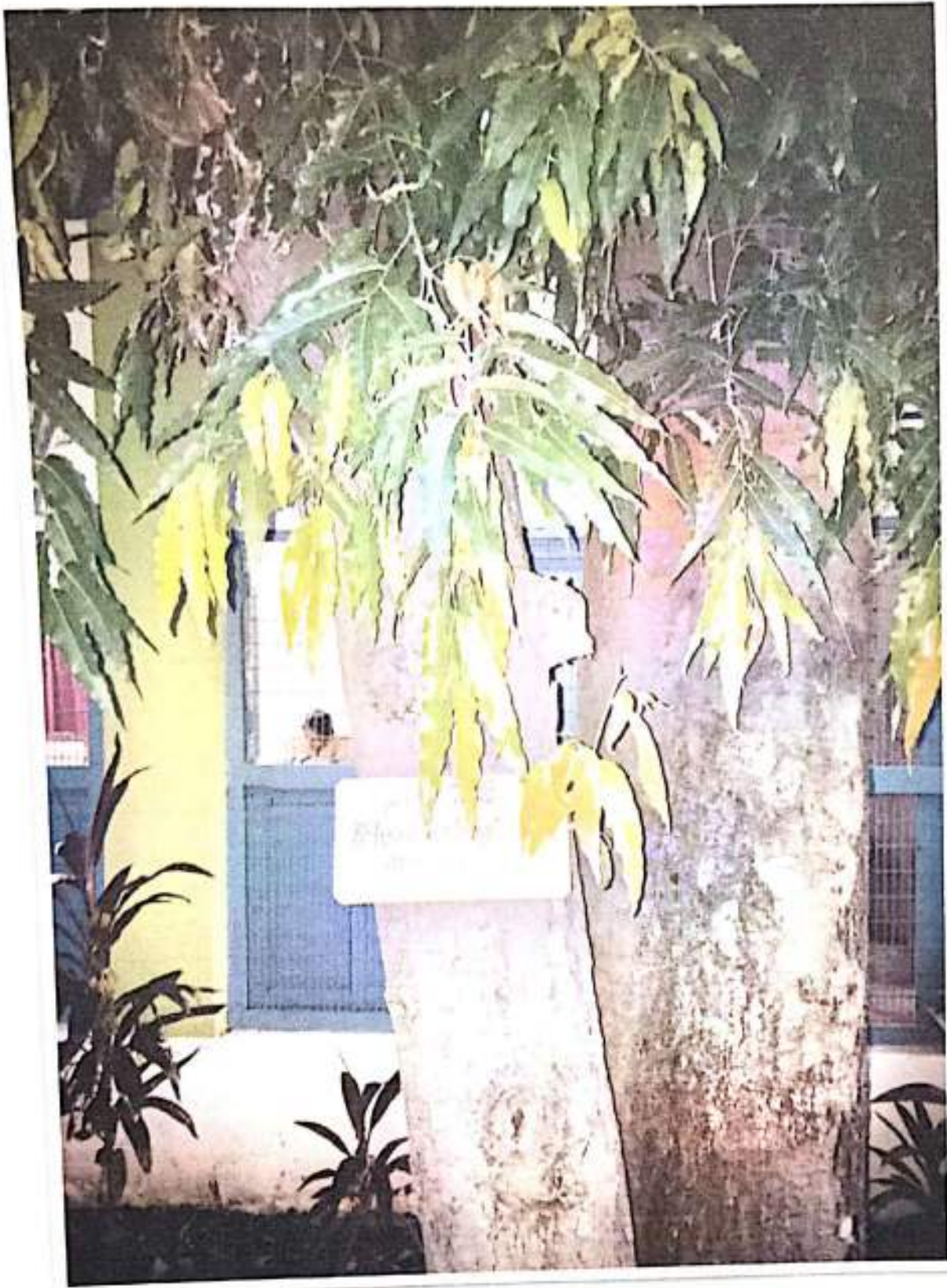
Sustainable development of greenery in the campus

Contribution to campus beautification

5. Resources:

• Godavari Maha Pushkara Vanam , Medicinal garden , Rajamahendravaram

• Vanantharam , Adathigala .



Department of Botany

Best Practice



MEDICINAL GARDEN

OBJECTIVE OF THE PRACTICE :

- To develop medicinal garden to nurture few endangered species of plant kingdom and to promote interest among the students towards gardening
- To promote organic farming
- To enhance and support bio-diversity on the campus.

NEED ADDRESSED AND THE CONTEXT:

- Main objective is to enrich students with cultivation skills and make them to love plants.
- Protection of few Endangered species
- To promote students to develop interest towards higher studies in plant sciences.
- Utility of medicinal plants basing on their merits.

THE PRACTICE:

- Identification of plants based on their potential applications
- Supporting the cause of campus beautification .

EVIDENCE OF SUCCESS:

- Developed more than 60 rare Medicinal Plant Species
- Contribution to campus beautification

RESOURCES:

- Godavari Maha Pushkara Vanam , Medicinal garden , Rajamahendravaram
- Vanantharam , Adathigala .

DEPT. OF BOTANY :: MEDICINAL GARDEN



Andrographis paniculata

Adathoda vasica



Piper longum



M. S. L.
Signature of the HOD
Head of the Department
BOTANY
S.K.R. COLLEGE FOR WOMEN
RAJAMAHENDRAVARAM

P. N. C.
Signature of the principal
PRINCIPAL
S.K.R. COLLEGE FOR WOMEN
MUTHAKARINI SAMAJ
Endowments Dept., Govt. of Andhra Pradesh
RAJAMAHENDRAVARAM