



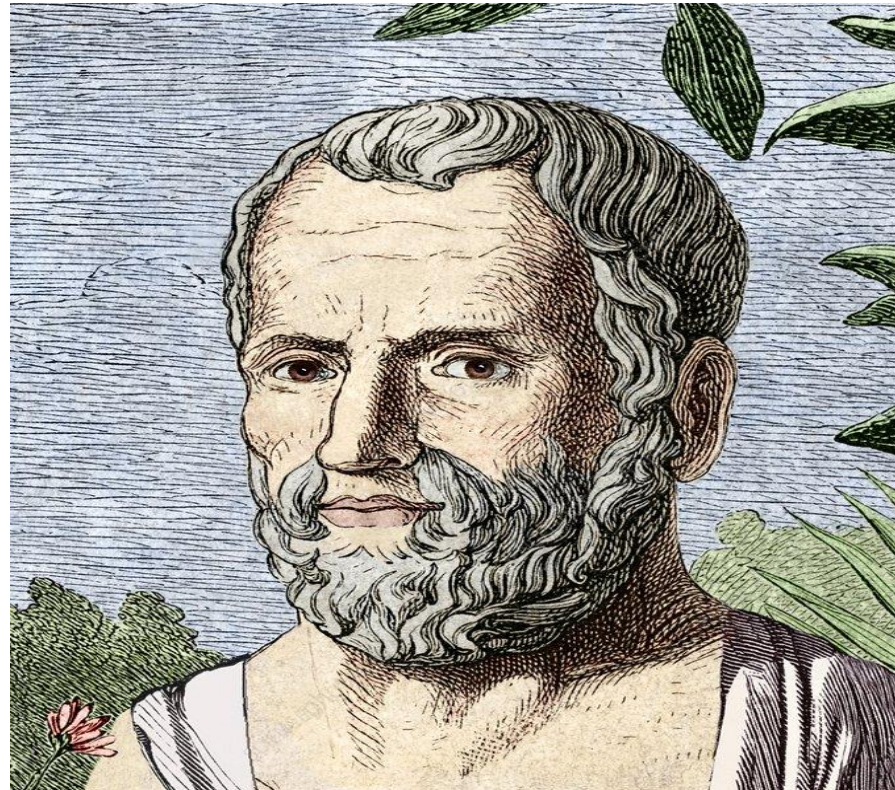
S.G.A.GOVERNMENT DEGREE COLLEGE

(Re-accredited by NAAC with 'A' Grade, Affiliated to Andhra University)

YELLAMANCHILI - 531055, ANDHRA PRADESH



Department of Botany Profile



THEOPHRASTUS – FATHER OF BOTANY

Time is the most valuable thing, a man can spend – Theophrastus

Department of Botany

Name of the courses offered

S.No	Course offered	Medium of instruction	Duration	Eligibility
1	B.Sc (CBZ)	EM/TM	3 Years	Intermediate with BiPC
2	Add on Course	EM/TM	30 Days	Studying CBZ students

Department assets

1. Good Infra Structure with Sophisticated equipment.
2. ICT mediated Teaching Learning.
3. Additional online tools (Edmodo) for Teaching-Learning and evaluation.
4. Online Teaching through G-Suit, Zoom and Teachmint app in needy situations.
5. Botanical garden with diversified flora.
6. Botany faculty acting as conveners and members for various college committees such as TLP Co-ordinator, UGC Co-ordinator, Eco Club, Heritage club, CPDC, Women empowerment cell, Research committee, career guidance cell.
7. Celebration of important days.
8. Conduction of Field trips.
9. Hands on practice in doing practicals.
10. Providing Study material.
11. Student study projects.
12. PPTs, Virtual and animated videos for better comprehension.
13. Regular Assessment through Assignments, Group discussion, Quiz and student seminars.
14. Remedial coaching for slow Learners.
15. Achievement of 95 % and above results in every year.
16. Coaching for III. B.Sc (CBZ) Year students to CET exams.
17. Visiting Scientific Labs, Research Centers and Botanical gardens.
18. Micro irrigation system for Botanical garden.

1. Number of Teaching posts: 02
2. Number of Non-teaching post: 01

Details of Teaching Staff:

S. No	Name of the Lecturer	Qualification	Designation	Specialization	Experience
1	Dr. B. Chandramouli	M. Sc, B. Ed, SLET, Ph. D	In-Charge Dept. of Botany	Plant Biotechnology	3 Years and 6 Months as JL & 13 Years and 9 months as DL
2	Dr. V. Padmaja	M. Sc, B.Ed, APSET, Ph. D	Lecturer in Botany	Cytogenetics	11 Years as JL 9 Years as DL

Details of Non-Teaching Staff:

1	O. Trinadha Rao	Herbarium Keeper
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Publications of the faculty of Botany Department

1. Dr. P. Chandra Sekhar, Principal.

S.No	Title of the Paper	Journal name	ISSN number
1	Some Ethnomedicinal Plants used for the Treatment of Piles by the Kondadora Tribe of Northern Andhra Pradesh, A.P,India	IJAHM 2012	2249-5746
2	Traditional Knowledge of Konda Dora Tribes, Visakhapatnam District, Andhra Pradesh, India	IOSR 2013	2250-3013
3	Folk Medicinal Plants Used In the Treatment of Asthma in Polavaram Forest area. West Godavari District, A.P, India.	IJAHM 2012	2249-5746
4	Ethno medicinal uses of trees by Tribals of MunchangiputtuMandal, Visakhapatnam District, Andhra Pradesh, India	IJPBS 2013	2230-7605
5	Ethno medicinal uses of some Fabaceae family plants of NarsipatnamDivison , Visakhapatnam District ,Andhra Pradesh, India.	IJIRD 2013	2278-0211
6	Ethno medicinal use of herb species Khammam District, Andhra Pradesh, India.	IJIRD 2013	2278-0211
7	Folklore treatment of skin diseases by the tribes of G. MadugulaMandalam, Visakhapatnam District, Andhra Pradesh, India.	IOSR 2013	2319-2402
8	Ethno medicinal uses of shrub species by Tribals of BorraPanchayat , AnathagiriMandalm, Visakhapatnam District, Andhra Pradesh, India.	IJPS 2013	2319 -6718
9	Traditional Phyto therapy of Vizianagaram District, Andhra Pradesh,India.	IOSR 2013	2250-3013
10	Ethnomedicinal Investigation of Medicinal plants used by the tribes of PedabayaluMandalam, Visakhapatnam District, Andhra Pradesh, India.	IJCER 2013	2278-5795
11	Traditional uses of plants by the Tribal communities of SaluguPanchayati of PaderuMandlam, Visakhapatnam, District, Andhra Pradesh, India	IJCER 2013	2278-5795
12	Traditional use of Monocotyledon plants of Arakuvalley, Mandalam, Visakhapatnam District, Andhra Pradesh, India	IOSR 2013	2278-3008
13	Weed flora of crops fields of West Godavari district, Andhra pradesh, India.	Journal of Science Botany 2015	2277 - 3282
14	Phytosociological attributes of weed species in maize crop fields of West Godavari district, Andhra Pradesh, India	International Journal of Phytotherapy 2015	2249-7730
15	Ethnomedicinal plants used by primitive tribes of Parvathipuram Manyam District, Andhra Pradesh, India	World journal of Biology Pharmacy 2023	2582-5542
16	Ethnomedicinal plants used by Kotia tribes, Pedabayalu Mandalam, Alluri Sitarama Raju District, Andhra Pradesh, India	World journal of Biology Pharmacy 2023	2582-5542
17	Studies on Folklore medicine of Rampachodavaram Division, Alluri Sitaramaraju District, Andhra Pradesh, India	World journal of Biology Pharmacy 2023	2582-5542

2. Dr. B. Chandra Mouli, In-Charge, Department of Botany

S.No	Title of the Paper	Journal name	ISSN number
1	Phytochemical and antimicrobial investigations of methanolic seed extract of black rice (<i>oryza sativa l.</i>) Mentioned in an ancient palm leaf manuscript (talapatra).	World Journal of Pharmaceutical Research 2018	2277– 7105
2	Studies on phytochemistry and biological activities of methanolic extracts of black rice (<i>oryza sativa l.</i>) Reported in an ancient telugu palm-leaf manuscript.	World Journal of Pharmaceutical Research 2018	2277– 7105
3	Enumeration of various Ayurvedic formulations listed in an ancient palmleaf manuscript of Rayalaseema region in Andhra Pradesh state, India	Journal of Ethnopharmacology Elsevier 2020	0378-8741
4	Sumathi Sataka padyam – Sastriya visleshana	International journal of multidisciplinary Educational research 2019	2277-7881
5	Phytochemical profile and GC-MS analysis of methanolic extract of Black Rice (<i>Oryza sativa L.</i>).	AP Science Spectrum (Accepted) APSS-SC-0171	2455-5053
6	Introduction of some Telugu and Sanskrit words from Palm-leaf manuscripts belongs to 18 th Century	Tejasvi Astitva 2019	2581-9070 (Online)
7	Ethnomedicinal plants used by Kotia tribes, Pedabayalu Mandalam, Alluri Sitarama Raju District, Andhra Pradesh, India	World journal of Biology Pharmacy 2023	2582-5542
8	Ethnomedicinal plants used by primitive tribes of Parvathipuram Manyam District, Andhra Pradesh, India	World journal of Biology Pharmacy 2023	2582-5542
9	Studies on Folklore medicine of Rampachodavaram Division, Alluri Sitaramaraju District, Andhra Pradesh, India	World journal of Biology Pharmacy 2023	2582-5542
10	Black Rice – A Multifunctional food	Aapple academic press 2022	1774637278

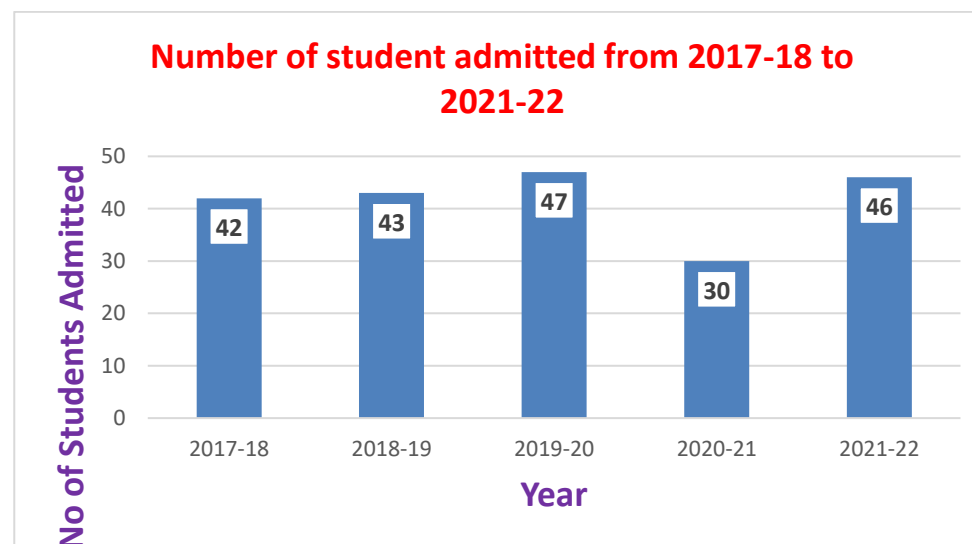
3. Dr. V. Padmaja, Lecturer in Botany

S.No	Title of the Paper	Journal name	ISSN number
1	Rauwolfia tetraphylla mediated synthesis of herbal nano powders by ballmilling and GC-MS analysis, evaluation of their antimicrobial activity	International journal of research in Pharmaceutical science 2021	0975-7538
2	Ball Milling Synthesis of Herbal Nanopowders from Various Parts of Rauwolfia Serpentina, and their GC-MS Analysis and Evaluation Of Antimicrobial Activity.	Current Trends in Biotechnology and Pharmacy 2022	0973-8916 (Print), 2230-7303 (Online)
3	Ethnomedicinal plants used by Kotia tribes, Pedabayalu Mandalam, Alluri Sitarama Raju District, Andhra Pradesh, India	World journal of Biology Pharmacy 2023	2582-5542
4	Ethnomedicinal plants used by primitive tribes of Parvathipuram Manyam District, Andhra Pradesh, India	World journal of Biology Pharmacy 2023	2582-5542
5	Studies on Folklore medicine of Rampachodavaram Division, Alluri Sitaramaraju District, Andhra Pradesh, India	World journal of Biology Pharmacy 2023	2582-5542

Department of Botany

I CBZ Students admissions from 2017-2022

S.No	Year	Number of student admitted
1	2017-18	42
2	2018-19	43
3	2019-20	47
4	2020-21	30
5	2021-22	46

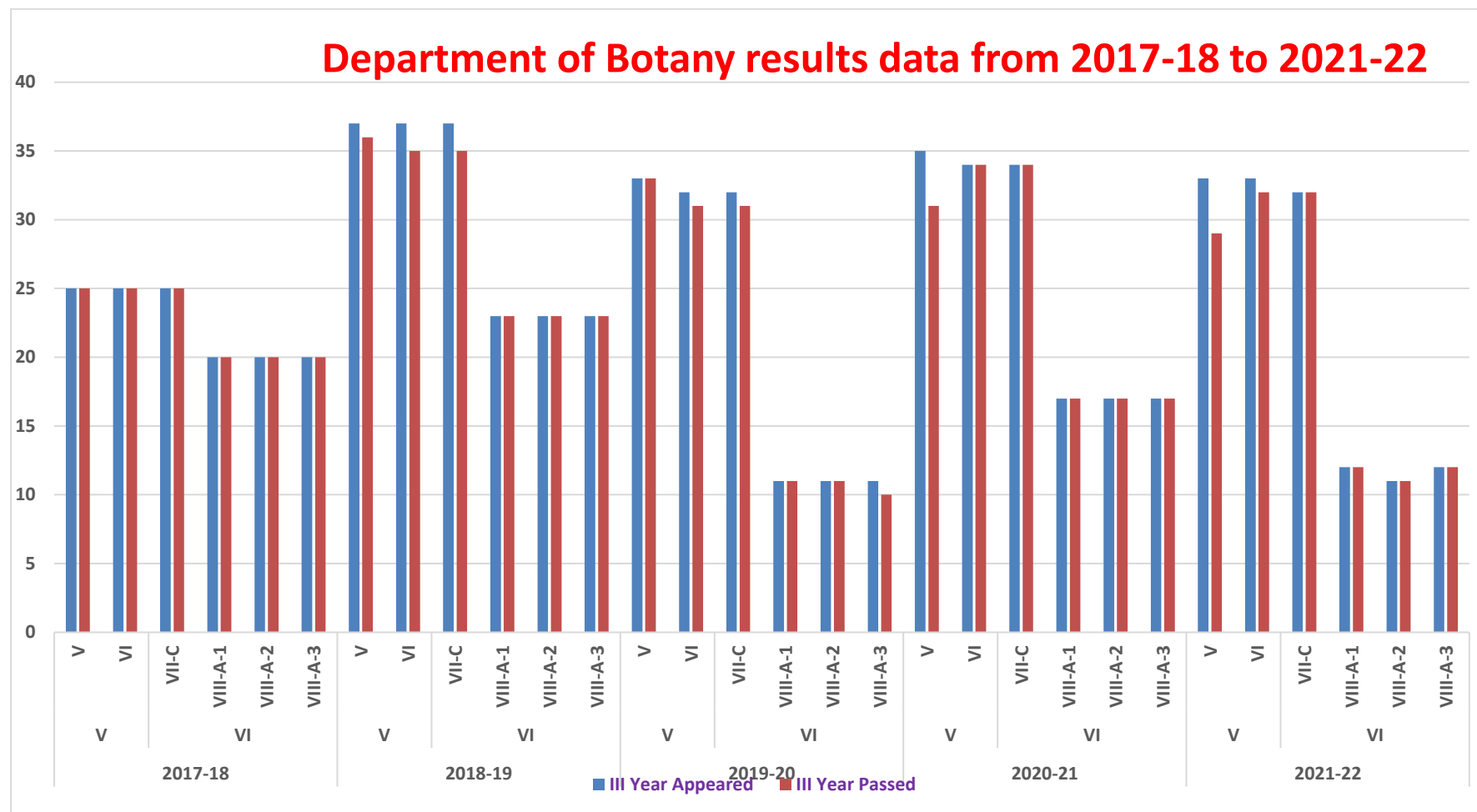


Andhra University III CBZ Botany Results from 2017-2022

S.NO	Year	SEMESTER	PAPER	III Year		
				Appeared	Passed	%
1	2017-18	V	V	25	25	100%
			VI	25	25	100%
		VI	VII-C	25	25	100%
			VIII-A-1	20	20	100%
			VIII-A-2	20	20	100%
			VIII-A-3	20	20	100%
2	2018-19	V	V	37	36	97%
			VI	37	35	94%
		VI	VII-C	37	35	94%
			VIII-A-1	23	23	100%
			VIII-A-2	23	23	100%
			VIII-A-3	23	23	100%
3	2019-20	V	V	33	33	100%
			VI	32	31	97%
		VI	VII-C	32	31	97%
			VIII-A-1	11	11	100%
			VIII-A-2	11	11	100%
			VIII-A-3	11	10	91%
4	2020-21	V	V	35	31	88%
			VI	34	34	100%
		VI	VII-C	34	34	100%
			VIII-A-1	17	17	100%
			VIII-A-2	17	17	100%
			VIII-A-3	17	17	100%
5	2021-22	V	V	33	29	88%
			VI	33	32	97%
		VI	VII-C	32	32	100%
			VIII-A-1	12	12	100%
			VIII-A-2	11	11	100%
			VIII-A-3	12	12	100%

Department of Botany

Andhra University Botany Results analysis from 2017-2022



Departmental activities:

- 1. Regular Teaching**
- 2. ICT Classes**
- 3. Vanam – Manam**
- 4. Assignments & Mid Examinations**
- 5. Student seminars**
- 6. Student seminars through ICT cases**
- 7. Laboratory activities**
- 8. Guest lectures**
- 9. Quiz and Group discussion**
- 10. Field trips**
- 11. Celebration of Important days**
- 12. Community Service project**

Department Highlights & Best Practices:

- 1. Meritorious award received**
- 2. Acted as FAC Principal**
- 3. Member of BOS**
- 4. MOU with Horticulture Department, AU, Visakhapatnam**
- 5. Vanam – Manam**
- 6. Microirrigation**
- 7. Vriksha Bandhan**

Extension activities:

- 1. Helping Needy poor**
- 2. Homeopathic case taking and medicine distribution**

Teaching – Learning activity



Teaching on Black Board

ICT Classes

ICT Classes by Dr. B. Chandramouli
23-01-2019 & 07-01-2020



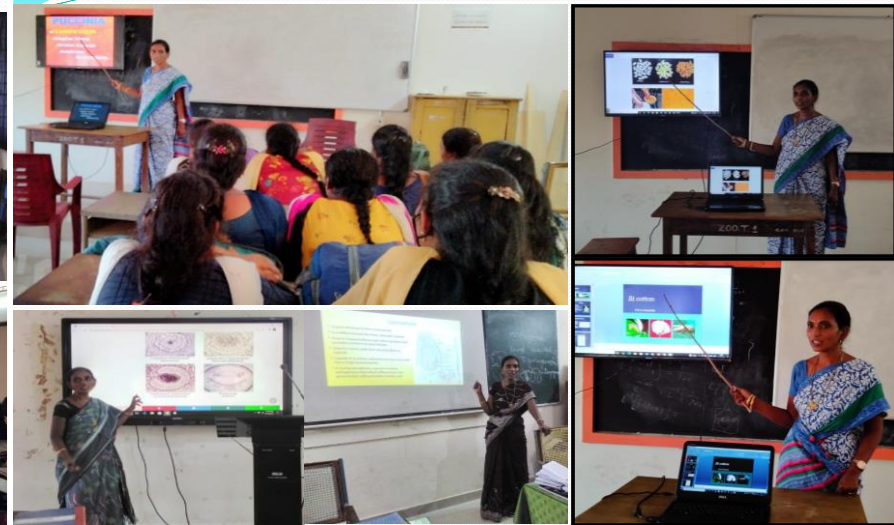
ICT Class by Smt. J. Lavanya & Dr. B. Chandramouli 02-02-2021



ICT Class by Dr. V. Padmaja 01-12-2021



ICT Classes by Dr. V. Padmaja



ICT Classes by Dr. B. Chandramouli 30-07-2022



ICT Classes by Dr. B. Chandramouli 18-02-2022 & 26-03-2022



Dr. B. Chandramouli and Dr. V. Padmaja, Lecturers in Botany are teaches extensively through ICT Classes



**SGA GOVT. DEGREE COLLEGE,
YELLAMANCHILI**

DEPARTMENT OF BOTANY

ONLINE CLASSES

2020 To 2022



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DEPARTMENT OF BOTANY ONLINE CLASSES, 2017-22

S.No	Date	Name of the Lecturer	Group	Name of the Topic
1	01-09-2020	Dr. B. Chandramouli	III CBZ	Organization of DNA
2	03-09-2020	Dr. B. Chandramouli	II CBZ	ICBN Rules & Recommendations
3	03-09-2020	Dr. B. Chandramouli	II CBZ	Typification – 1
4	04-09-2020	Dr. B. Chandramouli	II CBZ	Typification – 2
5	04-11-2020	Dr. B. Chandramouli	III CBZ	Cell Biology – Introduction
6	06-11-2020	Dr. B. Chandramouli	III CBZ	Introduction to Genetics - Mendel Success
7	09-11-2020	Dr. B. Chandramouli	III CBZ	Monohybrid Hybridization
8	16-11-2020	Dr. B. Chandramouli	II CBZ	Annonaceae Family - Technical Description
9	17-11-2020	Dr. B. Chandramouli	II CBZ	Annonaceae Family - Floral Characters
10	02-01-2021	Dr. B. Chandramouli	II CBZ	Monosporic types of Embryo sacs
11	02-01-2021	Dr. B. Chandramouli	II CBZ	Bisporic types of Embryo Sacs
12	01-06-2021	Dr. B. Chandramouli	II CBZ	Enzymes
13	02-06-2022	Dr. B. Chandramouli	II CBZ	Structure of Chloroplast and Types of Pigments
14	02-06-2021	Dr. B. Chandramouli	III CBZ	Functions of Phenolics, Glucosides and Tannins
15	03-06-2021	Dr. B. Chandramouli	III CBZ	Cyclic and Non-cyclic Photophosphorylation
16	04-06-2021	Dr. B. Chandramouli	III CBZ	Applications of rDNA and Transgenic Plants
17	07-06-2021	Dr. B. Chandramouli	II CBZ	Calvin cycle or C3 cycle or PCR cycle
18	08-06-2021	Dr. B. Chandramouli	II CBZ	Hatch & Slack Cycle or C4 cycle
19	09-06-2021	Dr. B. Chandramouli	II CBZ	CAM and Differences between C3 and C4 Plants
20	10-06-2021	Dr. B. Chandramouli	II CBZ	IUB System of Enzyme classification
21	11-06-2021	Dr. B. Chandramouli	III CBZ	Drug evaluation method
22	11-06-2021	Dr. B. Chandramouli	II CBZ	Translocation of Organic Solutes
23	14-06-2021	Dr. B. Chandramouli	III CBZ	Restriction Endonucleases (REs)
24	15-06-2021	Dr. B. Chandramouli	II CBZ	Root Nodule Formation and Symbiotic N2 Fixation
25	15-06-2021	Dr. B. Chandramouli	II CBZ	Protein Synthesis
26	19-06-2021	Dr. B. Chandramouli	III CBZ	Organoleptic and Microscopic studies of Alstonia, Adhatoda
27	23-06-2021	Dr. B. Chandramouli	III CBZ	PCR Mediated Gene Cloning
28	23-06-2021	Dr. B. Chandramouli	III CBZ	cDNA and Genomic libraries
29	23-06-2021	Dr. B. Chandramouli	II CBZ	Photo Respiration and Significance
30	24-06-2021	Dr. B. Chandramouli	III CBZ	Screening of DNA Libraries – Colony Hybridization
31	25-06-2021	Dr. B. Chandramouli	III CBZ	Primary and Secondary Metabolites
32	26-06-2021	Dr. B. Chandramouli	III CBZ	Alkaloids types, Extraction methods and Terpenoids
33	26-06-2021	Dr. B. Chandramouli	II CBZ	Glycolysis and importance
34	28-06-2021	Dr. B. Chandramouli	III CBZ	Direct gene transfer methods

35	29-06-2021	Dr. B. Chandramouli	II CBZ	Krebs cycle or TCA Cycle and Importance
36	30-06-2021	Dr. B. Chandramouli	III CBZ	Agrobacterium mediated gene Transfer
37	30-06-2021	Dr. B. Chandramouli	II CBZ	Respiration – ETS
38	01-07-2021	Dr. B. Chandramouli	II CBZ	Anaerobic respiration, Lipids and Types
39	01-07-2021	Dr. B. Chandramouli	II CBZ	Oxidation of Lipids – Beta Oxidation
40	03-07-2021	Dr. B. Chandramouli	II CBZ	Growth Kinetics - Sigmoidal curve
41	06-07-2021	Dr. B. Chandramouli	II CBZ	Auxins and Cytokinins
42	06-07-2021	Dr. B. Chandramouli	II CBZ	Gibberellins and Abscissic acid
43	07-07-2021	Dr. B. Chandramouli	II CBZ	Ethylene and Brassino Steroids
44	07-07-2021	Dr. B. Chandramouli	III CBZ	Transgenic Plants
45	08-07-2021	Dr. B. Chandramouli	II CBZ	Physiology of Flowering and Photoperiodism
46	09-07-2021	Dr. B. Chandramouli	III CBZ	Aromatherapy
47	09-07-2021	Dr. B. Chandramouli	III CBZ	Acetate, Mevalonate and Shikimate pathways
48	13-07-2021	Dr. B. Chandramouli	II CBZ	Phytochrome structure
49	13-07-2021	Dr. B. Chandramouli	II CBZ	Role of Phytochrome in SDP and LDP
50	14-07-2021	Dr. B. Chandramouli	II CBZ	Senescence and Ageing
51	16-07-2021	Dr. B. Chandramouli	III CBZ	Toxins and Vaccines
52	16-07-2021	Dr. B. Chandramouli	III CBZ	Saponins and Coumarins
53	22-07-2021	Dr. B. Chandramouli	II CBZ	Transpiration types
54	23-07-2021	Dr. B. Chandramouli	III CBZ	Vaccination and Types of Vaccines
55	23-07-2021	Dr. B. Chandramouli	III CBZ	Immunoglobulins and Types
56	24-07-2021	Dr. B. Chandramouli	III CBZ	Antibiotics and Antioxidants
57	26-07-2021	Dr. B. Chandramouli	III CBZ	rDNA Technology - Cloning Vectors
58	27-07-2021	Dr. B. Chandramouli	III CBZ	Microinjection
59	30-07-2021	Dr. B. Chandramouli	III CBZ	Antiserum , Phyto aestrogens
60	10-11-2021	Dr. B. Chandramouli	III CBZ	Steps involved in rDNA technology
61	01-06-2022	Dr. B. Chandramouli	II CBZ	Importance of water, Diffusion and Imbibition
62	02-06-2022	Dr. B. Chandramouli	II CBZ	Osmosis and Plasmolysis
63	06-06-2022	Dr. V. Padmaja	I CBZ	Pteridophyta – General characters
64	07-06-2022	Dr. V. Padmaja	III CBZ	Cell Biology – Introduction
65	13-06-2022	Dr. V. Padmaja	I CBZ	Pteridophyta - Reproduction
66	15-06-2022	Dr. V. Padmaja	III CBZ	Ultra structure of plant cell


B. CHANDRAMOULI
 Lecturer in Botany
 S.G.A. Govt. Degree College
 Yellamanchili - 531055
 Visakhapatnam Dist.


 Principal
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 YELLAMANCHILI - 531055
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DEPARTMENT OF BOTANY

Dr. B. Chandramouli, Lecturer in Botany has been prepared many video lessons and presented actively during Covid time. The Video lessons prepared and uploaded in You tube and shared to student groups also. The you tube links are given below.

1. <https://youtu.be/3B3VtY275U0> (ICBN Rules & Recommendations)
2. <https://youtu.be/LF4HGM-Tq0c> (Typification - 1)
3. <https://youtu.be/9hDVABtUYew> (Typification-2)
4. <https://youtu.be/K0oFAotaOLM> (Monosporic types of Embryo sacs)
5. <https://youtu.be/Nj0ktj8SUGQ> (Bisporic types of Embryo Sacs)
6. <https://youtu.be/pqL8fWtg2rk> (Annonaceae Family - Technical Description)
7. <https://youtu.be/pqL8fWtg2rk> (Annonaceae Family - Floral Characters)
8. https://youtu.be/ryfEwO8_YxA (Organization of DNA)
9. <https://youtu.be/-ONXPV0SN6c> (Monohybrid Hybridization)
10. <https://youtu.be/iAKuxbSZ8Cs> (Introduction to Genetics - Mendel Success)
11. https://youtu.be/LwGq_hrDx8U (Microinjection)
12. <https://youtu.be/G5Kgx6DqTYs> (Root Nodule Formation and Symbiotic N₂ Fixation)
13. https://youtu.be/C_XYKO1GBY0 (Protein Synthesis)
14. <https://youtu.be/nkycSmQLWSk> (Restriction Endonucleases REs)
15. <https://youtu.be/iRQy8qANs4E> (Enzymes)
16. <https://youtu.be/LMGNWIO65gg> (Structure of Chloroplast and Types of Pigments)
17. https://youtu.be/_629S1msd7U (Cyclic and Non-cyclic Photophosphorylation)
18. <https://youtu.be/MQqaTByASjo> (Calvin cycle or C₃ cycle or PCR cycle)
19. <https://youtu.be/1LgfoSuF-qE> (Hatch & Slack Cycle or C₄ cycle)
20. <https://youtu.be/hXmWub0Is8c> (CAM and Differences between C₃ and C₄ Plants)
21. <https://youtu.be/qFcuPCQj-9k> (Photo Respiration and Significance)
22. <https://youtu.be/Plm3hONVXhQ> (Translocation of Organic Solutes)
23. <https://youtu.be/JU3UMhqE9AM> (Glycolysis and importance)
24. https://youtu.be/dk_rt_H4674 (Krebs cycle or TCA Cycle and Importance)
25. <https://youtu.be/1QqYFz9thAA> (Respiration - ETS)
26. https://youtu.be/MSQLv_z9IU0 (Anaerobic respiration, Lipids and Types)
27. https://youtu.be/_6nk8uyq4S0 (Oxidation of Lipids – Beta Oxidation)
28. <https://youtu.be/LtbOjexjnds> (Growth Kinetics - Sigmoidal curve)
29. <https://youtu.be/DaJfedxN0Xw> (Auxins and Cytokinins)
30. <https://youtu.be/ieC5ihbaXQY> (Gibberellins and Abscissic acid)
31. <https://youtu.be/vAGi1ONIR5Q> (Ethylene and Brassino Steroids)
32. <https://youtu.be/NxB2q4hdybU> (Physiology of Flowering and Photoperiodism)
33. https://youtu.be/Uzlx_3tAHFs (Phytochrome structure)
34. https://youtu.be/nAY_5C2G7cc (Role of Phytochrome in SDP and LDP)
35. <https://youtu.be/SPaVofOm9pk> (Senescence and Ageing)

36. <https://youtu.be/55KQolZM22E> (Pharmacognosy and Drug Evaluation methods)
37. <https://youtu.be/5CMVw-gnZeU> (Steps involved in rDNA technology)
38. <https://youtu.be/xpRMFsBVjrQ> (rDNA Technology - Cloning Vectors)
39. <https://youtu.be/IH6XWOVWOuM> (PCR Mediated Gene Cloning)
40. <https://youtu.be/R9tFkZYqprc> (Direct gene transfer methods)
41. <https://youtu.be/ygw4cWFAf3g> (Agrobacterium mediated gene Transfer)
42. <https://youtu.be/ywICRbUrBOK> (cDNA and Genomic libraries)
43. <https://youtu.be/z-VIAgX2S7M> (Screening of DNA Libraries – Colony Hybridization)
44. <https://youtu.be/9tof0fyU-Vw> (Applications of rDNA and Transgenic Plants)
45. <https://youtu.be/NyXSxbWSPo> (Transgenic Plants)
46. <https://youtu.be/AKp-zPpl-dc> (Organoleptic and Microscopic studies of Alstonia, Adhatoda etc)
47. <https://youtu.be/oamnd5zpuJo> (Primary and Secondary Metabolites)
48. <https://youtu.be/5AvufIVuPKs> (Alkaloids types , Extraction methods and Terpenoids)
49. <https://youtu.be/VVaa9jdg5v4> (Functions of Phenolics, Glucosides and Tannins)
50. <https://youtu.be/XjsR9N6r1bo> (Aroma therapy)
51. https://youtu.be/bCxJm_8PVEc (Acetate, Mevalonate and Shikimate pathways)
52. <https://youtu.be/EvAaCnLDg3w> (Toxins and Vaccines)
53. <https://youtu.be/YMgGhKVdyWM> (Saponins and Coumarins)
54. <https://youtu.be/PDGF46HOkvs> (Vaccination and Types of Vaccines)
55. <https://youtu.be/cGTRPrdQQJ0> (Immunoglobulins and Types)
56. <https://youtu.be/yBeUFmgbNNo> (Antibiotics and Antioxidants)
57. <https://youtu.be/0BZldjz4130> (Antiserum , Phytoestrogens)


B. CHANDRAMOULI
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S.G.A. Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.


Principal
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YELLAMANCHILI - 531055
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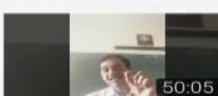
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Department of Botany

Online classes taken during Covid vacation

Dr. B. Chandramouli, Lecturer in Botany has been prepared many video lessons and presented actively during Covid time. The Video lessons prepared and uploaded in Youtube and shared to student groups also. Following are the you tube lessons.

	Genetics Introduction : - Mendel success 3 views · 2 weeks ago		Student seminar and : General instructions (28-07-21) 4 views · 1 year ago
	Monohybrid : Hybridisation 5 views · 2 weeks ago		Revision of : Photosynthesis topics (27-07-21) 3 views · 1 year ago
	Technical Description : of a Family - Annonaceae 7 views · 2 weeks ago		Revision of Enzymes : structure, mechanism (27-07-21) 3 views · 1 year ago
	Annonaceae Floral : characters 3 views · 2 weeks ago		Revision of Steps : in rDNA, Cloning vehicles and REs (2... 3 views · 1 year ago
	Monosporic type of : Embryo sac 1 view · 2 weeks ago		Revision of Protein : Synthesis (24-07-21) 2 views · 1 year ago
	Bisporic Embryo sacs : 10 views · 2 weeks ago		Immunoglobulin : Types and uses and Vitamins (23-07-21) 4 views · 1 year ago
	Dr BCM Lecture : Enzymes 8 views · 10 months ago		Senescence and : Ageing (14-07-21) No views · 1 year ago
	Practical classes : guidance 12 views · 11 months ago		Revision of Topics : and Student seminars (14-07-21) 1 view · 1 year ago
	Antiserum, : Phytoestrogens and Enzyme inhibitors (3... 1 view · 11 months ago		Role of Phytochrome : in SDP and LDP & Vernalization (13-... 8 views · 1 year ago
	Antibiotics, : Antioxidants, Toxins, toxoids and ... 6 views · 11 months ago		Phytochrome : structure and Functions (13-07-21) 10 views · 1 year ago
	Student seminars : (30-07-21) 2 views · 11 months ago		Student seminars: : Transgenic plants, Cloning vectors (12-... 8 views · 1 year ago
	Revision of : Respiration topics (28-07-21) 4 views · 1 year ago		Acetate, Mevalonate : and Shikimate pathways (09-07-21) 1 view · 1 year ago

Student Seminars (17-07-21)
4 views · 1 year ago

Saponins, Coumarins, Furanocoumarins, Ecdysone, Lignins a...
40 views · 1 year ago

Toxins, Vaccines and Withanolides (16-07-21)
7 views · 1 year ago

Student seminars and Practical syllabus and model paper (16-07-21)
3 views · 1 year ago

Student seminars and revision of Calvin cycle (15-07-21)
4 views · 1 year ago

Senescence and Ageing (14-07-21)
No views · 1 year ago

Student Seminars (17-07-21)
4 views · 1 year ago

Saponins, Coumarins, Furanocoumarins, Ecdysone, Lignins a...
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Student seminars and Practical syllabus and model paper (16-07-21)
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Student seminars and revision of Calvin cycle (15-07-21)
4 views · 1 year ago

Vaccination Types of vaccines (23-07-21)
2 views · 1 year ago

Revision of important topics (23-07-21)
3 views · 1 year ago

Student seminar and revision (22-07-21)
1 view · 1 year ago

Student seminars and revision (20-07-21)
1 view · 1 year ago

Student seminars and Revision (20-07-21)
No views · 1 year ago

Revision of important topics (19-07-21)
2 views · 1 year ago

Phytohormones: Introduction, Auxins and Cytokinins (06-07-21)
No views · 1 year ago

Applications of rDNA Technology: Transgenic Plants (06-07-21)
34 views · 1 year ago

Growth: Kinetics of Growth, S - Curve (03-07-21)
3 views · 1 year ago

Phenolics, Glucosides and Tannins: Structure, types and ... (02-07-21)
5 views · 1 year ago

Steroids: Structure, types and functions (02-07-21)
2 views · 1 year ago

Selection of Transgenics: Marker genes (02-07-21)
37 views · 1 year ago

Lipids Oxidation: Beta Oxidation (01-07-21)
6 views · 1 year ago

Anaerobic Respiration, Lipid properties and Type...
1 view · 1 year ago

Agrobacterium mediated gene Transfer mechanism...
16 views · 1 year ago

Respiration: Electron Transport System and Oxidative Phosp...
4 views · 1 year ago

Respiration: Krebs cycle and importance (29-06-21)
2 views · 1 year ago

Direct gene Transfer methods (28-06-21)
18 views · 1 year ago

B. Chandramouli
B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.

P. Chandra
Principal
S.G.A.Govt. Degree College
YELLAMANCHILI - 531055
Visakhapatnam District



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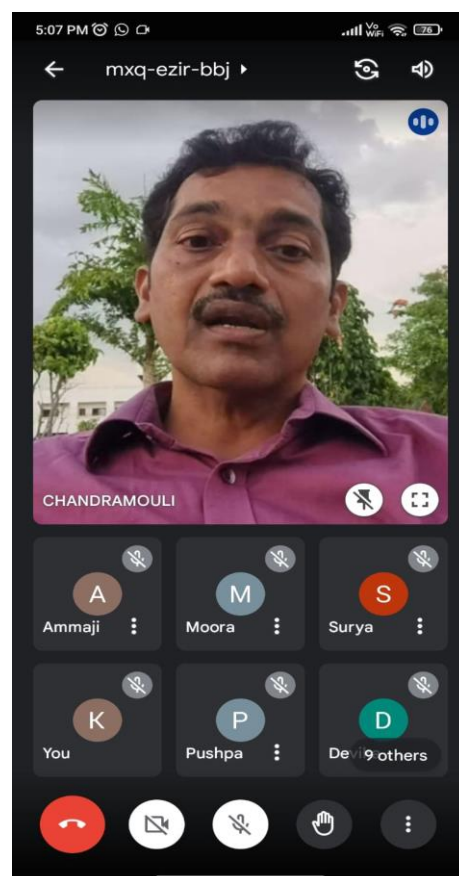
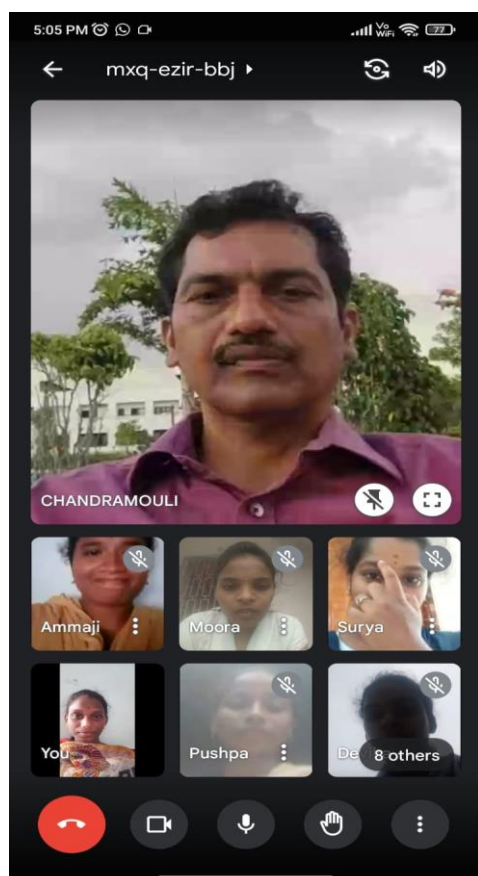
DEPARTMENT OF BOTANY

Activity: Online Classes, 2021-22

Topic: Plant Water Relations – Importance of water

Group: II CBZ

Date: 01-06-2022



Dr. B. Chandramouli, Lecturer in Botany met on Google meet and taken online class to II CBZ students and explained the topics importance of water in plants , Diffusion and Imbibition phenomenons.



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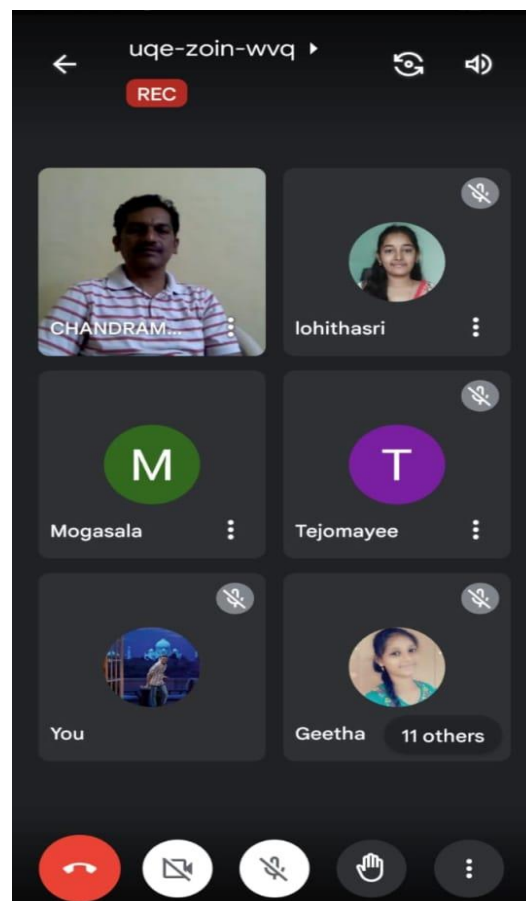
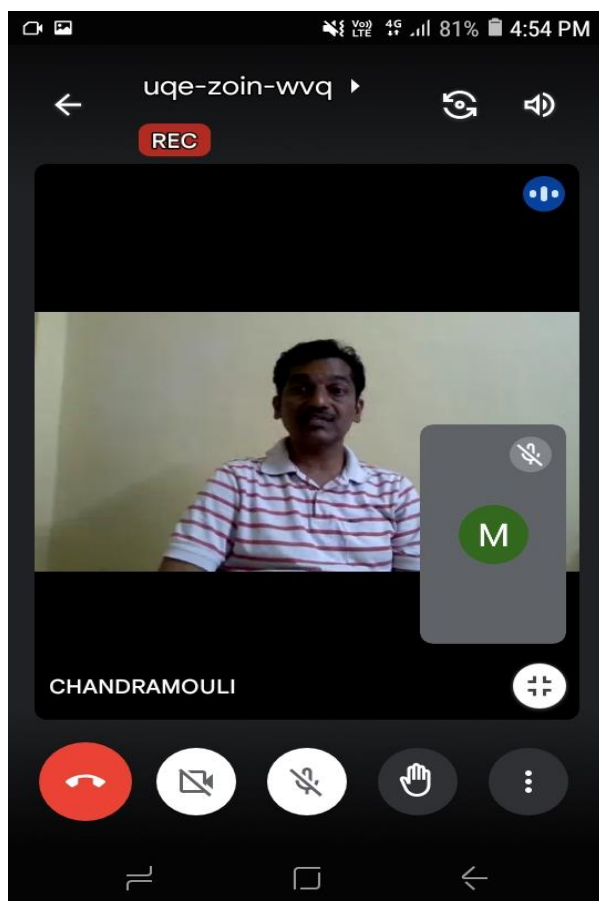
DEPARTMENT OF BOTANY

Activity: Online Classes, 2021-22

Topic: Plant Water Relations – Osmosis and Plasmolysis

Group: II CBZ

Date: 02-06-2022



Dr. B. Chandramouli, Lecturer in Botany met on Google meet and taken online class to II CBZ students and explained the topics Osmosis and Plasmolysis on 02-06-2022.



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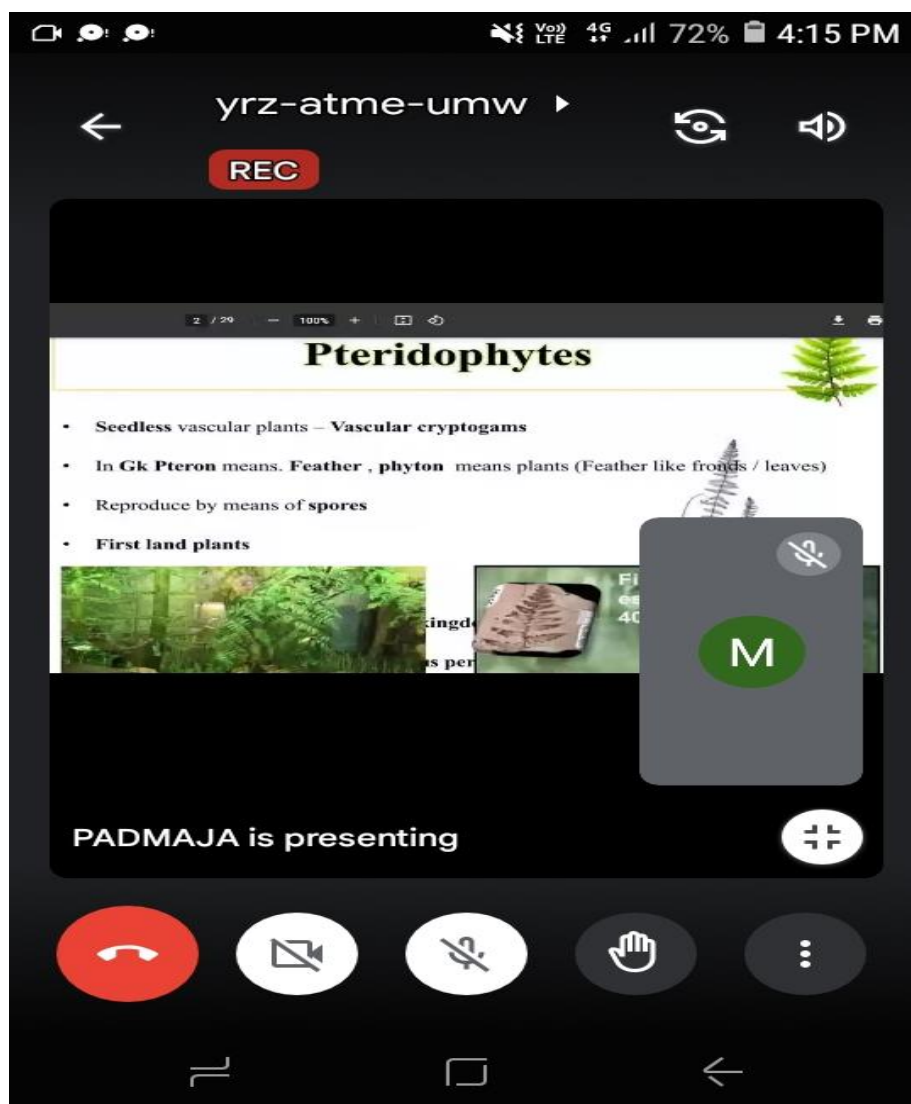
DEPARTMENT OF BOTANY

Activity: Online Classes, 2021-22

Topic: Pteridophyta – General characters

Group: I CBZ

Date: 06-06-2022



Dr. V. Pdmaja, Lecturer in Botany met on Google meet and taken online class to I CBZ students and explained the topics pteridophyta general characters on 06-06-2022.



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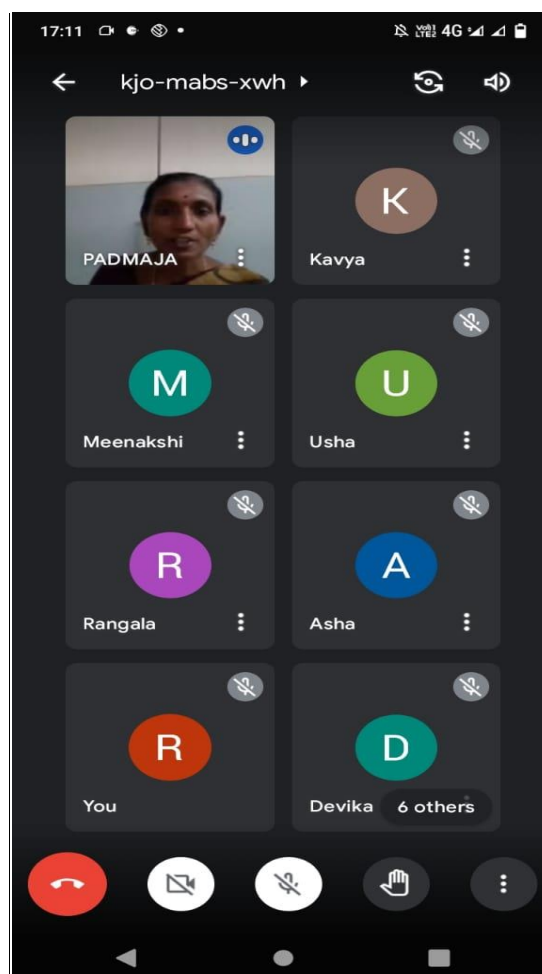
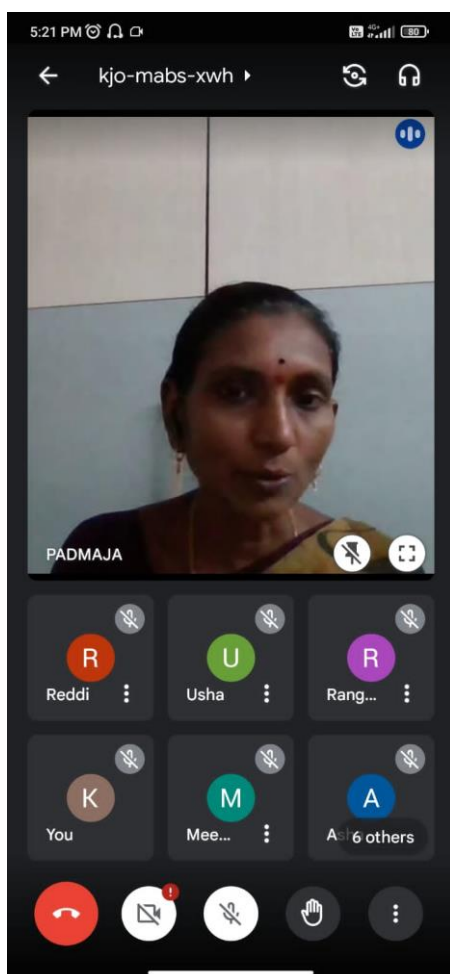
DEPARTMENT OF BOTANY

Activity: Online Classes, 2021-22

Topic: Cell Biology – Introduction

Group: III CBZ

Date: 07-06-2022



Dr.V. Padmaja, Lecturer in Botany met on Google meet and taken online class to III CBZ students and explained the topic Cell Biology and introduction on 07-06-2022.



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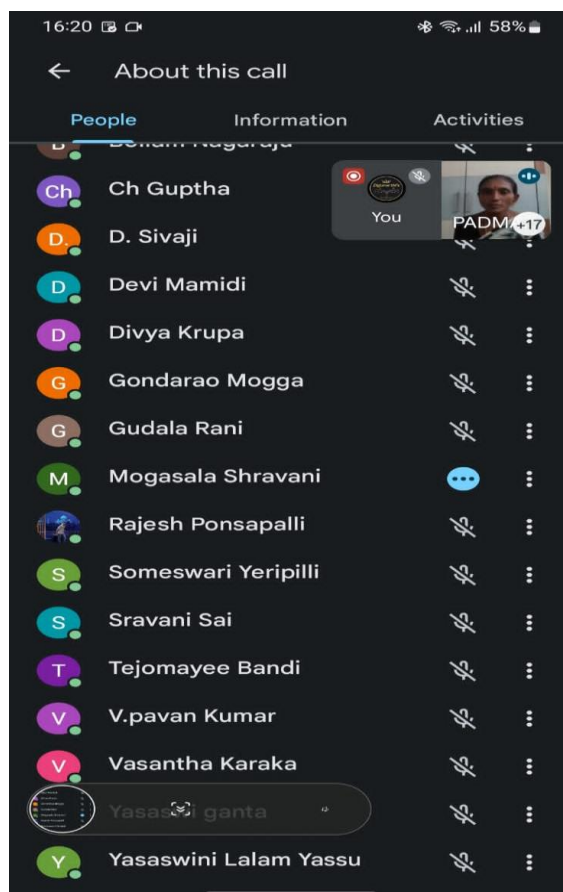
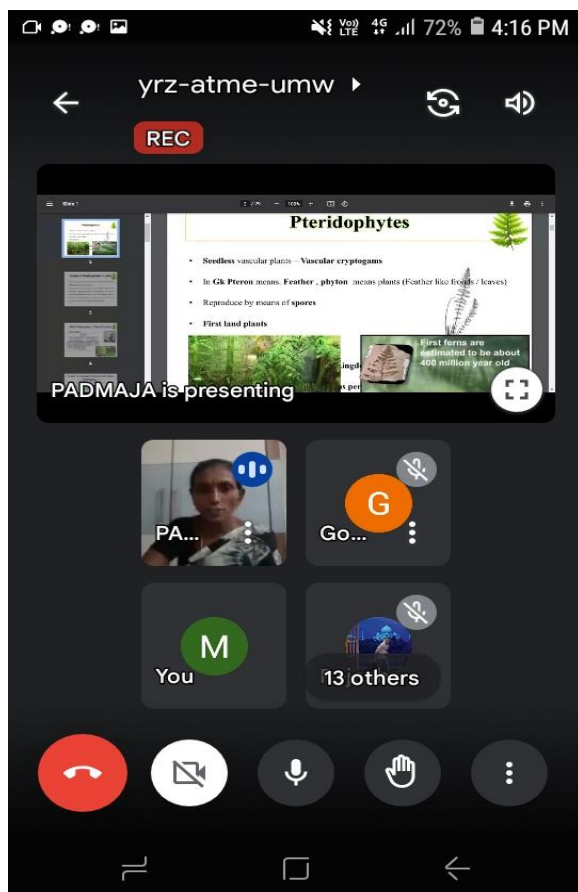
DEPARTMENT OF BOTANY

Activity: Online Classes, 2021-22

Topic: Pteridophyta – Reproduction

Group: I CBZ

Date: 13-06-2022



Dr.V. Padmaja, Lecturer in Botany met on Google meet and taken online class to I CBZ students and explained the topics reproduction in Pteridophyt on 13-06-2022.



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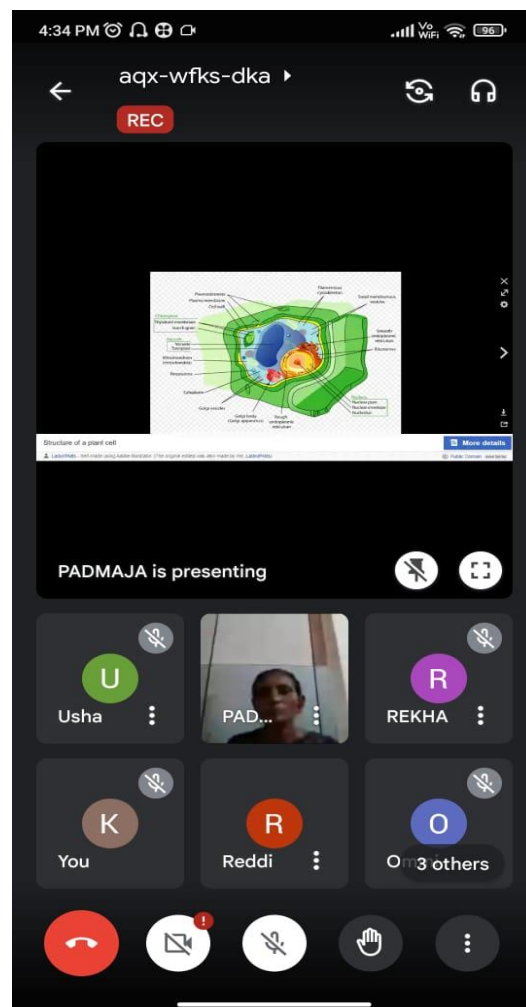
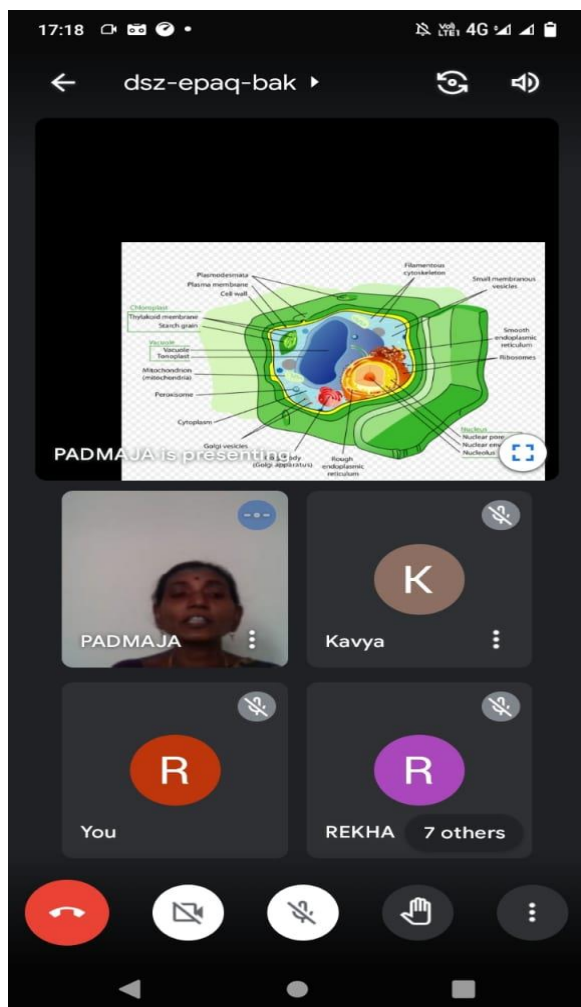
DEPARTMENT OF BOTANY

Activity: Online Classes, 2021-22

Topic: Ultra structure of Plant Cell

Group: III CBZ

Date: 15-06-2022



Dr. V. Padmaja, Lecturer in Botany met on Google meet and taken online class to III CBZ students and explained the topic Ultra structure of pant cell on 15-06-2022.

Assignments & Mid Examinations

III CBZ Assignment 05-01-2019



II CBZ Assignment 08-08-2019



I CBZ Assignment 03-01-2019



II CBZ Assignment 09-02-2021



II CBZ Mid Exam - I Dt: 17-12-2021



III CBZ Mid Exam - 1 Dt: 08-01-2021



Assignments I CBZ



II CBZ Assignment 03-08-2019



II CBZ Assignments & Evaluation 07-07-2022



II CBZ Mid Exam & Evaluation 17-07-2022



Evaluation and assessment of students after conducting Assignments and mid examinations

Student seminars

III CBZ Students seminar 07-03-2018



II CBZ Student Seminars 07-03-2018



III CBZ Student Seminar 06-04-2022



III CBZ Student seminar
29-08-2022



III CBZ Student seminar 11-02-2021



Student seminars - ICT Classes



Students of CBZ group delivering seminars through ICT classes

Working in the Lab



Demonstration of Practicals III CBZ



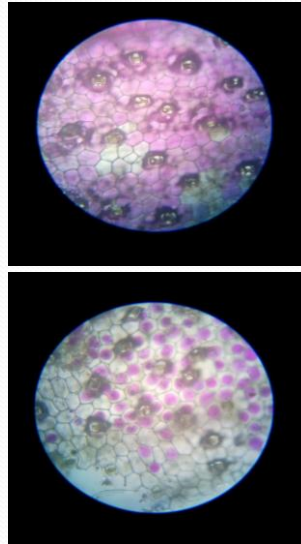
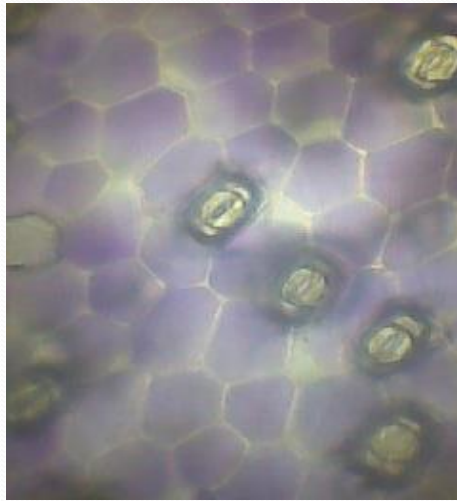
II CBZ Demonstration of Practicals



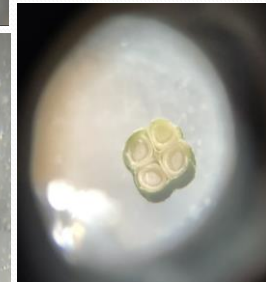
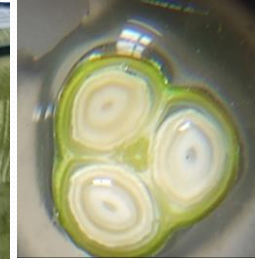
II CBZ Students in the practicals



Plant cells under Microscope



II CBZ Students taken pictures



The practical performance of the students under the guidance of Botany Faculty

Guest Lectures

S.No	Date	Name of the topic	Name of the Resource person	Number of students
1	22-08-2017	Linkage & Crossing Over	Dr.S. Ratna Grace	25
2	22-01-2020	Ayurvedic Herbs	Dr. Ch. Ramesh	32
3	23-01-2020	Phytohormones	Dr. M. Haribabu	32
4	23-01-2020	Personality Development	Sri G. Satyanarayana	32
5	28-12-2021	Organic Farming and Vermi Compost Technology	Dr. K. Jagannadha Sharma Senior Scientist, BCT	34
6	05-03-2022	Importance of Light factor	Sri B. Nageswara rao Lecturer in Physics	29
7	07-03-2022	Homeo medicines importance	Dr. AV. Ramesh Lecturer in Chemistry	38
8	09-03-2022	Immunoglobulins	Dr.T. Bhushan rao Lecturer in Zoology	25



Dr. S. Ratna Grace, Reader in Botany



Dr. Ch. Ramesh, Ayurvedic Doctor



Dr. M. Haribabu, Reader in Botany

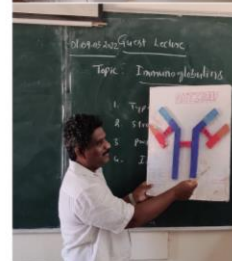
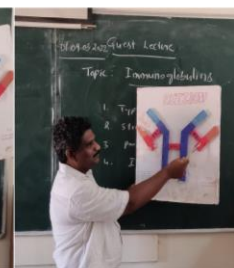


Sri G. Satyanarayana, Lecturer in English

Dr. K. Jagannadha Sharma, Scientist, BCT delivered a lecture on 09-02-2022
Topic: Organic Farming & Vermicompost Technology



Dr. T. Bhushan Rao, Lecturer in Zoology delivered a Guest Lecture on 09-03-2022
Topic: Immunoglobulins



Dr. A.V. Ramesh, Lecturer in Chemistry delivered a lecture on 08-04-2022
Topic: Homeopathic medicines



**EXTENSION LECTURE BY DR B CHANDRAMOULI,
 LECTURER IN BOTANY AT GDC TUNI.**



**Dr B Chandramouli
 Lecturer in Botany
 Delivering the lecture.**

**Dr B Chandramouli, Lecturer in Botany Delivered a
 Extension lecture on "Principles of Taxonomy" to
 the students of Botany at GDC Tuni on 11-08-2022.**

Departmental Activities

**Guest lectures are arranged for important topics by inviting renowned personalities from
 Department of Botany and from other fields.**

Quiz and Group Discussions

Quiz program (II CBZ-2017-2022)



Group discussion 2017-2022



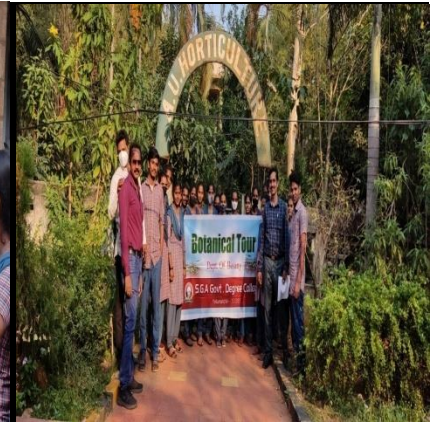
The Department of Botany conducted Quiz and Group discussion activities with I CBZ, II CBZ and III CBZ students for every semester during the years 2017-2022

Field trips

Field trips conducted from 2017 to 2022

S.No	Academic year	Groups	Date	Place visited
1	2016-17	I B.Sc (CBZ) Students	12-12-2016	Agricultural Research Station, Kokkirapalli
2	2017-18	II B.Sc (CBZ) Students	26-10-2017	Sun God Temple Hill Station, Yellamanchili
3	2017-18	I, II, & III B.Sc (CBZ) Students	02-02-2018	Kadium Nurseries, Kadium, EG District
4	2018-19	II & III B.Sc (CBZ) Students	22-08-2018	Raja Kodur Forests Yellamanchili
5	2018-19	II & III B.Sc (CBZ) Students	06-12-2018	Agricultural Research Station, Kokkirapalli
6	2019-20	II, III B.Sc (CBZ) Students	25-01-2020	Penjeruvu Lake, Yellamanchili
7	2020-21	I & III B.Sc (CBZ) Students	07-12-2021	Penjeruvu Lake, Yeamanchili
8	2021-22	III B.Sc CBZ Students	16-02-2022 & 17-02-2022	Biodiversity tour to FSI and AU, Visakhapatnam







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DEPARTMENT OF BOTANY

LIST OF COMMEMORATIVE DAYS

S.No	Name of the Day	Date
1	Mendel Birth Day	22-07-2017
2	AIDS Day	01-12-2018
3	International Yoga Day	21-06-2019
4	Mendel Birth Day	22-07-2019
5	Independence Day	15-08-2019
6	AIDS Day	01-12-2020
7	National Women's Day	14-02-2022
8	International Day o Mother language	21-02-2022
9	National Science Day	28-02-2022
10	International I Women's Day	08-03-2022
11	World Forest Day	21-03-2022
12	World Earth Day	22-04-2022
13	International Nurse Day	12-05-2022
14	International Family Day	15-05-2022
15	World Endangered species Day	20-05-2022
16	World Biodiversity Day	22-05-2022
17	World Anti Tobacco Day	31-05-2022
18	World Milk day	01-06-2022
19	World Environment Day	05-06-2022
20	World Ocean Day	08-06-2022
21	International Yoga Day	21-06-2022
22	Mendel Birth Day	22-07-2022
23	World Nature Conservation Day	28-07-2022
24	Independence Day	15-08-2022
25	World Coconut Day	02-09-2022
26	Teachers Day	05-09-2022
27	World Ozone Day	16-09-2022
28	World Soil Day	05-12-2022
29	Global family Day	01-01-2023
30	National Voters Day	24-01-2023
31	World Leprosy Day	30-01-2023
32	World Wetlands Day	02-02-2023


B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.


Principal
S.G.A.Govt. Degree College
YELLAMANCHILI - 531 055
Visakhapatnam District.

Celebration of Important days

Celebration of Mendel Birth Day on 22-07-2017



International yoga day 21-06-2018 & 2019



Aids day 01-12-2018



Mendel Birth Day 22-07-2019



National science day Exhibits 28-02-2022



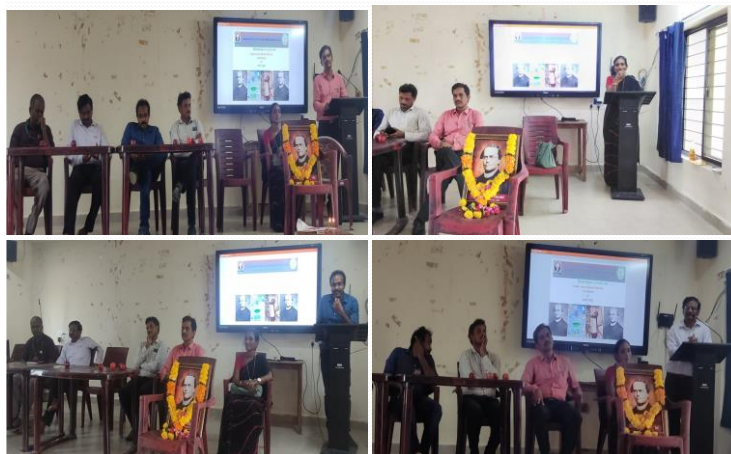
Observation of World Ocean Day



The Department of Botany has Observed the World Ocean Day on 08-06-2022. Dr B Chandramouli, Dr V Padmaja, Lecturers in Botany and M Vidya Kalpana, Lecturer in Chemistry has explained the students about the role of oceans as a source of oxygen and sinks of carbon dioxide and providing everything to the human beings etc..

Days Observed

Mendel Birth Day 22-07-2022



World Endangered species day 20-05-2022



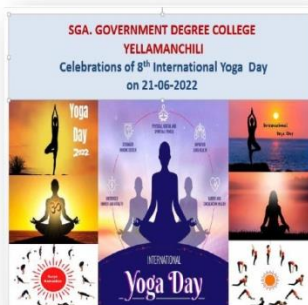
Observation of World Environment Day.



The Department of Botany has virtually observed the World Environment Day on 05-06-2022. The Principal Dr P Chandrasekhar, Dr B Chandramouli, Dr V. Padmaja Lecturers in Botany has explained the importance of maintaining balanced ecosystem. The Students and their parents had actively participated in the program.

Days Observed

International Yoga Day Celebrations



International Yoga Day Celebrations were held at seminar hall on 21-06-2022. Dr P Chandrasekhar along with staff and students were actively participated. Together all were practiced some popular yoga asanas.

Days Observed

Dr B Chandramouli, Lecturer in Botany has demonstrated the various yoga asanas to the students during

International Yoga Day Celebrations



Departmental Activities

National Science day on 28-02-2022 & 28-02-23

Projects display by students.



**S.G.A GOVERNMENT
DEGREE COLLEGE,
YELLAMANCHILI**

**DEPARTMENT OF
BOTANY**

**COMMUNITY SERVICE
PROJECT
2021-22**

Resolution for the Implementation of Community Service Project (CSP)

Agenda

Dt 21/05/2022

- ① Community Service Project for I Sem students (Admitted batch 2021-22) and III Sem students (Admitted Batch 2020-2021)
- ② Implementation of CSP in Summer Vacation
- ③ Allocation of students to Lecturers (Mentors)
- ④ Assignment of students to particular Village (or) Ward
- ⑤ Programme wise areas of CSP
- ⑥ Time line for the Community Service project

Discussions

The Lecturers / Mentors ~~present~~ attended in Principal Chamber were discussed following points mentioned hereunder related to CSP.

- * The Staff Council has discussed Objectives of the Community Service project
- * The Staff ~~Council~~ Council has discussed the duration of the CSP
- * The Staff Council has discussed the procedure of the CSP
- * The Staff Council has discussed the Subject areas of CSP
- * The Staff Council has discussed the programmes under Community Service project

* The Staff Council has discussed the role of mentors in the SCP

* The Staff Council has discussed the method of preparation of draft copy of the SCP

* The Staff Council has discussed the method of maintaining the log-books of students

* The Staff Council has discussed nearest habitations / wards of the students of the college

* The Staff Council has discussed the list of areas of projects for BA / BCom / BSc suggested by the APSCHE

* The Staff Council has discussed the role of local leaders in the completion of SCP.

* The Staff Council has discussed the role of habitat / ward incharge of the Panchayat (or) Municipal Department

*

* The Staff Council has discussed the methods of preparation of questionnaire

* The Staff Council has discussed the challenges and objections be arrived during the implementation of the CSP

Resolutions | Minutes of the Staff Council meeting

Minutes of the meeting held on 21/5/2022 at 12 noon in the chamber of the Principal, SGA Govt. Degree College, Yellamanchili, Anakapalli (Dist)

All the faculty members headed by Dr. P. Chandra Sekhar, Principal discussed items in the agenda thoroughly and resolved the following unanimously mentioned hereunder.

- * Resolved to assign Community Service project to all the II Sem (2021-2022 Admitted batch) & IV Sem (2020-2021 Admitted batch) students under the supervision of faculty members / mentors
- * Resolved to start the CSP work for II Sem students immediately i.e from 23/05/2022 and in the first week of June for IV Sem students in view of ongoing III Sem Examinations.
- * Resolved to segregate the students into groups. The group may contain minimum 15 students (or) below / more according to the strength of Group
- * Resolved to allocate the students to Mentors of same programme, which enable them to communicate easily for the every aspect.
- * Resolved to nominate Co-ordinator & Asst. Co-ordinator for the SC.

Resolved to nominate Sri P.S. Jagga Rao garu, Lecturer in Physics as Co-ordinator for GSP & Sri V. Chittibabu, Lecturer in Commerce as Asst. Co-ordinator for C.S.P

Resolved to assign the following students mentioned hereunder to the faculty members to act as a Mentors of SCP

S.No	Group	Mentor	Allotted Students
1	BA II Sem	Sri BV Ramana	21 Students (AII)
2	BA IV Sem	Kum B. Lakshmi Narasamma	21 Students (AII)
3	BCom II Sem	Sri V. Chittibabu, H	Roll No 1 - 20
		Sri R. Rama Rao	21 - 40
		Sri G. Kiran Kumar	41 - 53
	IV Sem	Sri M. Kishore	1 - 20
		Sri Prem Sagar	21 - 42
4	MPC II Sem	Sri Ch. Vijaya Kumar	Roll No. 1 - 20
		Sri V.A. Satyamalayana	21 - 40
	IV Sem	Smt Vidya Kalpama	1 - 29
5	MPCs II Sem	Sri Sai Chaitan	Roll No 1 - 20
		Sri P.S. Jagga Rao	21 - 40
	IV Sem	Sri G. Satyamalayana	1 - 20
		Sri H. Venkanna	21 - 39

6	CBZ II Sem	Dr B. Chandra Mouli Dr V. Padmaja	Roll No 1 - 22 23 - 43
	IV Sem	Dr G. Vijaya Pratap Dr A Arjun Appa Rao	1 - 14 15 - 28

P. Adisebha
Principal
S.G.A. Govt. Degree College
Yellamanchi - 531 055
Anakapalli District. (A.P.)

SNo.	Name of the Faculty	Subject	Signature
1.	R. Rama Rao	Commerce	<i>RR</i>
2.	V. Chaiti Bala	Commerce	<i>CC</i>
3.	M. Kishore	Commerce	<i>M. Kishore</i>
4.	V. A. Satyanarayana	Telugu	<i>VA</i>
5.	G. Satyanarayana	English	<i>G</i>
6.	K. Prema Sagar	English	<i>PS</i>
7.	Ch. Vijaya Kumar	Maths	<i>Ch</i>
8.	P. S. Jagga Rao	physics	<i>PS</i>

Sero.	Name of the faculty	Subject	Signature
-------	---------------------	---------	-----------

9. K. Venkanna physics. 

10. M. V. Kalpatha Chetty 

11. B. Chandrasekhar Botany Full

12. V. padmaja Botany V Indus

13. Gr. V: Jay Pratap Zoology

vi. A. S. Juna Appa Rao Zoology Red

15. A. Kiran Kumar Hony Giran keem

16. B. Venkata Ramana Economics Full

17. B. Lalshmi Narasimam & Economy

D. Chandra
Principal

Principal

S.G.A. Govt. Degree College

Yellamanchili-531 055

Anakapalli District. (A.P.)

Zone - I	SGA GOVT DEGREE COLLEGE, YELLAMANCHILI	ANAKAPALLI DISTRICT
Format - I Community Service Project (CSP) - Plan of Action by Principal of the College		

S.No	Details of the Lecturer or Mentor Allotted for Community Service				Review by the Principal on execution of CSP (Once in 15 Days)		Remarks if any
	Name of the Lecturer/Mentor	Subject of the Lecturer	Type of the Lecturer RegU/Gues	Number of Students Allotted	First 15 Days	Last 15 Days	
SEM - II STUDENTS (ADMITTED BATCH - 2021-2022)							
1	Sri B Venkata Ramana	Economics	Regular	II Sem BA (1-21 Students)			
2	Sri V Chitti Babu	Commerce	Regular	II Sem BCom (1-20 Students)			
3	Sri R Rama Rao	Commerce	Regular	II Sem BCom (21-40 Students)			
4	Sri G Kiran Kumar	History	Regular	II Sem BCom (41-53 Students)			
5	Sri Ch Vijaya Kumar	Mathematics	Regular	II Sem MPC (1-20 Students)			
6	Sri VA Satyanarayana	Telugu	Regular	II Sem MPC (21 - 40 Students)			
7	Sri Sai Charan	Com.Science	Guest	II Sem MPCS (1-20 Students)			
8	Sri PS Jagga Rao	Physics	Regular	II Sem MPCS (21 - 40 Students)			
9	Dr B Chandra Mouli	Botany	Regular	II Sem CBZ (1-22 Students)			
10	Dr V Padmaja	Botany	Regular	II Sem CBZ (23 - 43 Students)			
SEM - IV STUDENTS (ADMITTED BATCH - 2020-2021)							
11	Kum B Lakshmi Narasamma	Economics	Regular	IV Sem BA (1-21 Students)			
12	Sri M Kishore	Commerce	Regular	IV Sem Bcom (1-20 Students)			
13	Sri Prem Sagar	English	Regular	IV Sem Bcom (21 - 42 Students)			
14	Smt M Vidya Kalpana	Chemistry	Regular	IV Sem MPC (1-29 Students)			
15	Sri G Satyanarayana	English	Regular	IV Sem MPCS (1-20 Students)			
16	Sri K Venkanna	Physics	Regular	IV Sem MPCS (21 - 39 Students)			
17	Dr G Vijaya Pratap	Zoology	Regular	IV Sem CBZ (1-14 Students)			
18	Dr A Arjuna Apparao	Zoology	Regular	IV Sem CBZ (15-28 Students)			

Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531 035
Visakhapatnam District.



S.G.A.GOVERNMENT DEGREE COLLEGE

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YELLAMANCHILI - 531055, ANDHRA PRADESH



Activity: Community Service Project 2021-22

List of I B.Sc (CBZ) Students assigned to Dr. B. Chandramouli, Lecturer in Botany

S.No	Name of the student	H.T Number	Year of Admission
1	AVADUTHALA MOHAN GEETHA	721135405081	2021-22
2	BANDI TEJASWINI	721135405082	2021-22
3	BANDI TEJOMAYEE	721135405083	2021-22
4	BATHULA NAGA SIVA GAYATRI	721135405084	2021-22
5	BEERA SUKANYA	721135405085	2021-22
6	BODDAPU NOOKARATNAM	721135405086	2021-22
7	BOLEM TEJASVI	721135405087	2021-22
8	BOLLAM LEELA PRAVEENA	721135405088	2021-22
9	BONTHU DIVYA KRUPA	721135405089	2021-22
10	BURRE LAVANYA	721135405090	2021-22
11	CHAVITHINI SWATHI	721135405091	2021-22
12	CHITTURU MOKSHA SRI	721135405092	2021-22
13	DEVARA SIVAJI	721135405093	2021-22
14	DUVVADA NISSI ALEKHYA	721135405094	2021-22
15	E. HEMA VARAHA DURGA	721135405095	2021-22
16	GANTA EMMI VINOLINI	721135405096	2021-22
17	GORINTHALA DHIKSHITHA	721135405097	2021-22
18	GUDALA KIRAN KUMAR	721135405098	2021-22
19	GUDALA RANI	721135405099	2021-22
20	JERRIPOTHULA SINDHU	721135405100	2021-22
21	KARAKA VASANTHA	721135405101	2021-22
22	KARRI LAKSHMI	721135405102	2021-22


B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.


Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531055
Visakhapatnam District.



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Community Service Project – 2021-22

List of I B.Sc (CBZ) Students with project Name allotted (Title)

S.No	Name of the student	H.T Number	Name of the Project
1	AVADUTHALA MOHAN GEETHA	721135405081	Documentation of Ayurvedic traditional Knowledge from Yellamanchili
2	BANDI TEJASWINI	721135405082	Documentation of Ayurvedic traditional Knowledge from Bayyavaram Village
3	BANDI TEJOMAYEE	721135405083	Documentation of Ayurvedic traditional Knowledge from Bayyavaram Village
4	BATHULA NAGA SIVA GAYATRI	721135405084	Documentation of Ayurvedic traditional Knowledge from Vommavaram Village
5	BEERA SUKANYA	721135405085	Documentation of Ayurvedic traditional Knowledge from Vakapadu
6	BODDAPU NOOKARATNAM	721135405086	Documentation of Ayurvedic traditional Knowledge from Manabala Palem
7	BOLEM TEJASVI	721135405087	Documentation of Ayurvedic traditional Knowledge from Allipudi Village
8	BOLLAM LEELA PRAVEENA	721135405088	Documentation of Ayurvedic traditional Knowledge from Somalinga palem
9	BONTHU DIVYA KRUPA	721135405089	Documentation of Ayurvedic traditional Knowledge from Dharmavaram Village
10	BURRE LAVANYA	721135405090	Documentation of Ayurvedic traditional Knowledge from CHB Agraharam
11	CHAVITHINI SWATHI	721135405091	Documentation of Ayurvedic traditional Knowledge from Kokkirapalli
12	CHITTURU MOKSHA SRI	721135405092	Documentation of Ayurvedic traditional Knowledge from PNR Peta
13	DEVARA SIVAJI	721135405093	Documentation of Ayurvedic traditional Knowledge from Janakayya Peta

14	DUVVADA NISSI ALEKHYA	721135405094	Documentation of Ayurvedic traditional Knowledge from Rajala Village
15	E. HEMA VARAHA DURGA	721135405095	Documentation of Ayurvedic traditional Knowledge from Pothireddy Palem
16	GANTA EMMI VINOLINI	721135405096	Documentation of Ayurvedic traditional Knowledge from Yellamanchili
17	GORINTHALA DHIKSHITHA	721135405097	Documentation of Ayurvedic traditional Knowledge from Mula jampa
18	GUDALA KIRAN KUMAR	721135405098	Documentation of Ayurvedic traditional Knowledge from NAOB Colony, Chintuva
19	GUDALA RANI	721135405099	Documentation of Ayurvedic traditional Knowledge from Kothur
20	JERRIPOTHULA SINDHU	721135405100	Documentation of Ayurvedic traditional Knowledge from Enugu Tuni
21	KARAKA VASANTHA	721135405101	Documentation of Ayurvedic traditional Knowledge from Janakayya Peta
22	KARRI LAKSHMI	721135405102	Documentation of Ayurvedic traditional Knowledge from Geddapalem


B.CHANDRAMOUL
 Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.

Project Guide


 Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531 055
Visakhapatnam District.



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YELLAMANCHILI - 531055, ANDHRA PRADESH

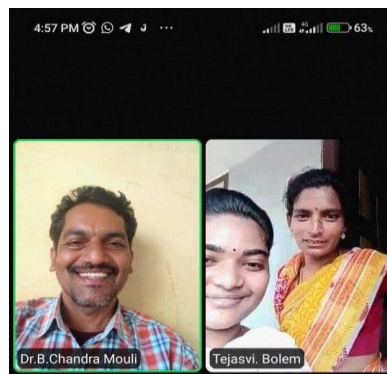


DEPARTMENT OF BOTANY

Community Service Project – 2021-22

Students & Parents Meeting in implementation of CSP – 2022

Date: 29-05-2022



B. Chandra Mouli
B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.

Project Guide

P. Chandra Mouli
Principal
S.G.A.Govt. Degree College
YELLAMANCHILI - 531055
Visakhapatnam District.



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DEPARTMENT OF BOTANY

Community Service Project – 2021-22

Meeting with students for implementation of CSP – 2022

Date: 18-06-2022




B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.


Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531 055
Visakhapatnam District.



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DEPARTMENT OF BOTANY

Community Service Project – 2021-22

Activity: Socio Economic Survey of I CBZ Students – 2022

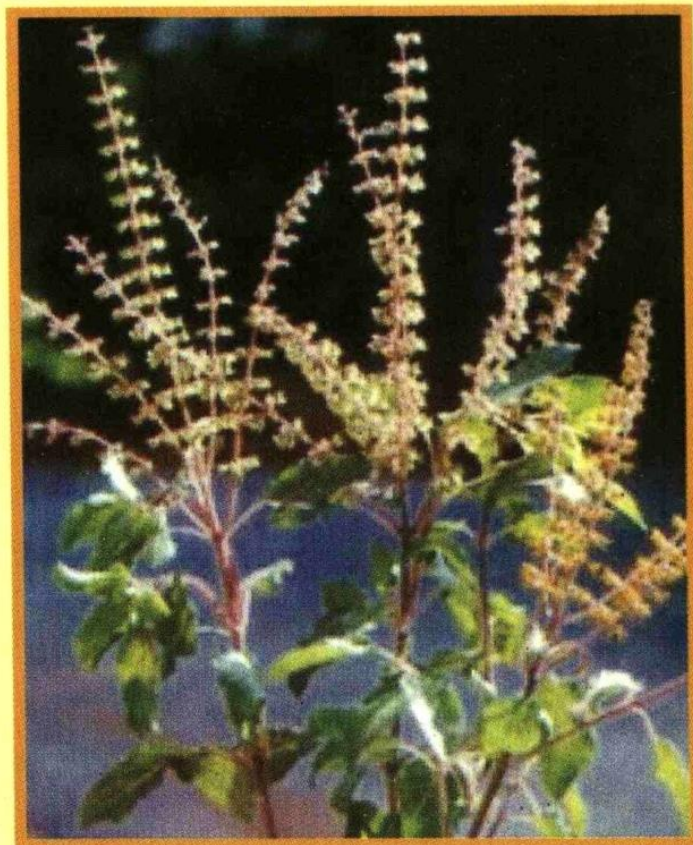
Name of the Student:	B. Tejomayee
H.T Number:	721135405083




B.CHANDRAMOUL
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist,


Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531055
Visakhapatnam District.

AYURVEDIC HOME REMEDIES



CERTIFICATE



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

This is to certify that this is a bonafide Community Project work entitled "Ayurvedic home remedies" done by B. Tejomayee of I B.Sc class with Regd. No. 721135405117 during the academic year 2021-22.


B. CHANDRAMOULI
Lecturer in Botany
S.G.A. Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.



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YELLAMANCHILI - 531055, ANDHRA PRADESH



Declaration by the candidate

I hereby declare that the Project report "Ayurvedic home remedies to the common problems" under community service submitted by me to Dr. B. Chandra mouli sir, SGA Govt. Degree College, Yellamanchili, in partial fulfilment of the requirement for the award of the degree of CBZ in Botany department is a record of bona fide project work carried out by me.

I further declare that the work reported in this project has not been submitted and will not be submitted either in part or in full for the award of any other degree or diploma in this institute or any other institute or university.

Yellamanchili,

B. Tejomayee

Signature of the candidate

B. Tejomayee

Acknowledgement



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YELLAMANCHILI - 531055, ANDHRA PRADESH



I would like to express my special thanks of gratitude to our principal Sir Dr. P. Chandra Sekhar sir who always encouraged us in this project. I would also like to thank my lecturer and guide Dr. B. Chandra mouli sir, who gave me the golden opportunity to do this wonderful project on the Ayurvedic home remedies” and for guidance in this project. I would also like to thank incharge of department of Botany- Dr. V. Padmaja madam, for his constant support. This project helped me in doing research on diseases of a village and closely interact with village olden people .They share their knowledge on Ayurvedic home remedies. And I came to know about so many new strategies to mitigate diseases. I am really thankful to them. Secondly, I would also like to thank my relatives B.Divya ,yeswanth who helped me a lot in finalising this project within the limited time frame

B. Tejomayee

B.Tejomayee
I CBZ

B. Chandra Mouli
B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.

INTRODUCTION

Village : Bayyavaram

mandal : kasinkota

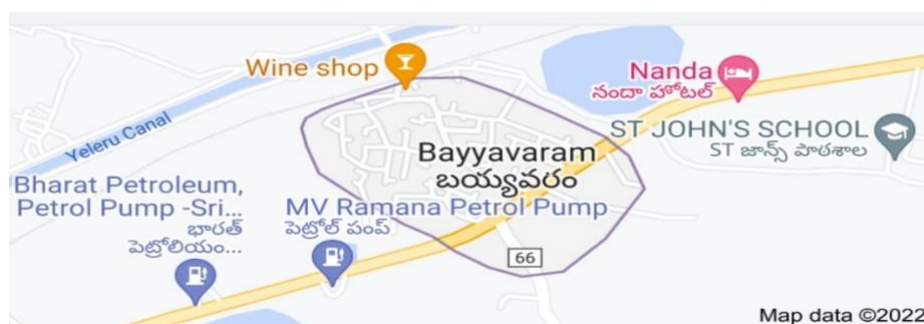
District : Visakhapatnam

State : Andhra pradesh

My village is a place that I like to visit in my holidays or whenever I feel tired and want to relax. A village is a place that is far away from the pollution and noise of the city. Also, you feel a connection with the soil in a village. Around more than 70% of India's population resides in villages. Likewise, villages are the main source of food and agricultural produce that we consume. After independence, the villages have grown much in both population as well as education. The village is important because it is the primary sector of agricultural production of our country.

The village is the back bone of India's economy. It also plays a major role in maintaining the ecological balance of the environment. Villages are mostly covered with trees and plants and my village name is Bayyavaram

A village is called the rural part of the country. It is called rural because it does not have modern facilities like cities. The main occupation of the villages is farming. They are the primary source of the nation's agricultural production. The beauty of nature can be experienced in any village as it is



surrounded by trees, flowers, hills, streams. There is no pollution in my village and one can feel the freshness.

My village is a small village with a population of only sixty seven thousand six hundred sixty two. My village name is Bayyavaram near to the Anakapalli. There is a temple at the entrance of the village where often prayers and other worshipping activities are taking place. There are so many hills around the temple and our village is surrounded by hills, neem trees and with so many palm trees.

Bayyavaram is a village in kasimkota mandal in Visakhapatnam district of Andhra Pradesh state, India. Bayyavaram pincode is 531031. In my village, summer is a season of harvest of leafy vegetables and chillies. So I have seen those crops. Besides earlier there was to be more kutcha house but now the scenario has changed and the number of pakka houses have increased. My village is filled and surrounded by greenery. They are so many cows and buffalos which give healthy milk to us. My village is very near to the Anakapalli.

The Anakapalli town is famous for its Jaggery market. Its market is ranked second in India in terms of Jaggery imports and exports. Also India is the second most populated nation of the world and to feed this big population, they need food which comes from the village. This describes why they are





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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Community Service Project – 2021-22

Activity: Socio Economic Survey of I CBZ Students – 2022

Name of the Student:	B. Tejasvi
H.T Number:	721135405087




B.CHANDRAMOUL
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.


Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531055
Visakhapatnam District.

CERTIFICATE



S.G.A.GOVERNMENT DEGREE COLLEGE

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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

This is to certify that this is a bonafide Community Project work entitled "Plant disease mitigation strategies" done by Bolem Tejasvi of I B.Sc. class with Regd. No. 721135405087 during the academic year 2021-22.

B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.



S.G.A.GOVERNMENT DEGREE COLLEGE

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YELLAMANCHILI - 531055, ANDHRA PRADESH



Declaration by the candidate

I hereby declare that the Project report “ **Ayurveda strategies**” under community service submitted by me to Dr .B. chandramouli sir, SGA Govt. Degree College, Yellamanchili, in partial fulfilment of the requirement for the award of the degree of CBZ in Botany department is a record of bona fide project work carried out by me.

I further declare that the work reported in this project has not been submitted and will not be submitted either in part or in full for the award of any other degree or diploma in this institute or any other institute or university.


B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.



Signature of

the candidate

Acknowledgement



S.G.A.GOVERNMENT DEGREE COLLEGE

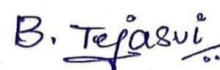
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YELLAMANCHILI - 531055, ANDHRA PRADESH



I would like to express my special thanks of gratitude to our principal Sir **Dr. P. Chandra Sekhar sir** who always encouraged us in this project. I would also like to thank my lecturer and guide **Dr.B.chandramouli sir**, who gave me the golden opportunity to do this wonderful project on the topic “Ayurveda strategies” and for guidance in this project. I would also like to thank in charge of department of Botany- **Dr. V. Padmaja Madam** for his constant support. This project helped me in doing research on Ayurvedic medicines of a village and I came to know about so many new strategies to mitigate Ayurveda medicines. I am really thankful to them. Secondly, I would also like to thank my relative **Sri O. syam Sri Hari** who helped me a lot in finalising this project within the limited time frame


B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.



B.Tejasvi

I CBZ



Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531055
Visakhapatnam District

INTRODUCTION

Village Name : Allipudi
Mandal : kotananduru
District : Kakinada
State : Andhra Pradesh

My village is a place that I like to visit in my holidays or whenever I feel tired and want to relax. A village is a place that is far away from the pollution and noise of the city. Also, you feel a connection with the soil in a village. Around more than 70% of India's population resides in villages. Likewise, villages are the main source of food and agricultural produce that we consume. After independence, the villages have grown much in both population as well as education. The village is important because it is the primary sector of agricultural production of our country.

The village is the back bone of India's economy. It also plays a major role in maintaining the ecological balance of the environment. Villages are mostly covered with trees and plants and my village name is Allipudi.



A village is called the rural part of the country. It is called rural because it does not have modern facilities like cities. The main occupation of the villages is



farming. They are the primary source of the nation's agricultural production. The beauty of nature can be experienced in any village as it is surrounded by trees, flowers, hills, streams. There is no pollution in my village and one can feel the freshness.

My village is a small village with a population of only six hundred fourth five people. My village name is Allipudi near to the kotananduru. There is a temple at the entrance of the village where often prayers and other worshipping activities are taking place. There are so many hills around the temple and our village is surrounded by hills, neem trees and with so many palm trees.

Allipudi is a village in kotananduru mandal in Kakinada district of Andhra Pradesh state, India. Allipudi Pincode is 533407. It is located 27km towards west from district head quarter, Kakinada .Besides earlier there was to be more kutchha house but now the scenario has changed and the number of pakka houses have increased. My village is filled and surrounded by greenery. They are so many cows and buffalos which give healthy milk to us. My village is very near to the Kotananduru.

India is the second most populated nation of the world and to feed this big population, they need food which comes from the village. This describes why they are important to us and everybody.



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Community Service Project – 2021-22

Activity: Socio Economic Survey of I CBZ Students – 2022

Name of the Student:	B. Leela Praveena
H.T Number:	721135405088




B.CHANDRAMOUL
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.


Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531055
Visakhapatnam District.



S.G.A.GOVERNMENT DEGREE COLLEGE

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YELLAMANCHILI - 531055, ANDHRA PRADESH



CERTIFICATE

DEPARTMENT OF BOTANY

This is to certify that this is a Bonafide Community Project work entitled “Ayurveda” done by B. Leela Praveena of I CBZ class with Regd. No. 721135405088 during the academic year of 2021-22.


B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.

Mentor

Dr. B Chandra Mouli



S.G.A.GOVERNMENT DEGREE COLLEGE

(Re-accredited by NAAC with 'A' Grade, Affiliated to Andhra University)

YELLAMANCHILI - 531055, ANDHRA PRADESH



Declaration by the Candidate

I hereby declare that the Project report “**Ayurveda**” under community service submitted by me to Dr. B. Chandra Mouli SGA Govt. Degree College, Yelamanchili, in partial fulfilment of the requirement for the award of the degree of CBZ in Botany department is a record of bonafide project work carried out by me.

I further declare that the work reported in this project has not been submitted and will not be submitted either in part or in full for the award of any other degree or diploma in this institute or any other institute or University.

Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531055
Visakhapatnam District

B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.

Signature of
the Candidate

Acknowledgement



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YELLAMANCHILI - 531055, ANDHRA PRADESH



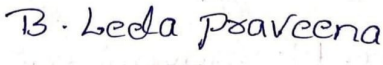
I would like to express my special thanks of gratitude to our principal Sir **Dr. P. Chandra Sekhar sir** who always encouraged us in this project. I would also like to thank my lecturer and guide **Dr.B. Dr.B Chandra Mouli**

Chandramouli, who gave me the golden opportunity to do this wonderful project on the topic "Ayurveda" and for guidance in this project. I would also like to thank in charge of department of Botany- **Dr. B. Chandra Mouli sir** for his constant support. This project helped me in doing research on Ayurveda of a village and I came to know about so many new strategies to mitigate. I am really thankful to them. Secondly, I would also like to thank my relative Mr. Sathish Kumar who helped me a lot in finalising this project within the limited time frame


B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Vishakhapatnam Dist.

B. Leela Praveena

I CBZ

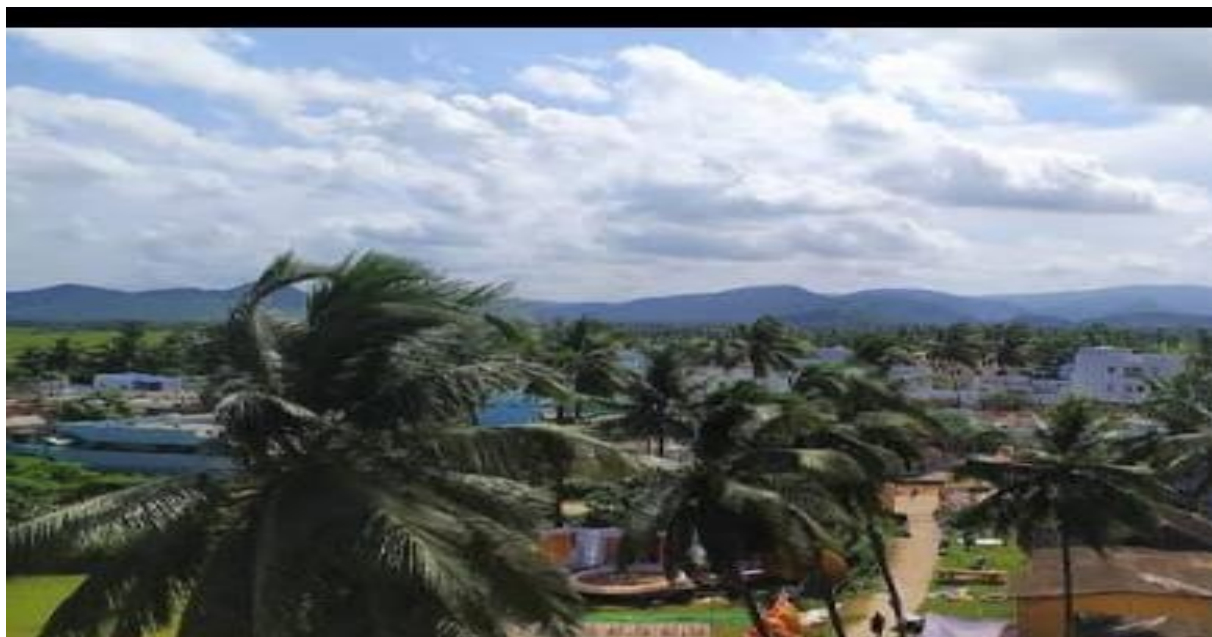

B. Leela Praveena

INTRODUCTION

Village Name : SomalingaPalem
Mandal : Yelamanchili
District : Anakapalli
State : Andhra Pradesh

My village is a place that I like to visit in my holidays or whenever I feel tired and want to relax. A village is a place that is far away from the pollution and noise of the city. Also, you feel a connection with the soil in a village. Around more than 70% of India's population resides in villages.

Likewise, villages are the main source of food and agricultural produce that we consume. After independence, the villages have grown much in both population as well as Education. The village is important because it is the primary sector of agricultural production of our country.



The village is the back bone of India's economy. It also plays a major role in maintaining the ecological balance of the environment. Villages are mostly covered with trees and plants and my village name is SomalingaPalem. A village is called the



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Activity: Community Service Project 2021-22

Marks awarded to I B.Sc (CBZ) Students

Semester- I

Max marks: 100

S.NO	Regd.NO	Name	Marks				
			Project log (20M)	Implementation (30M)	Project Report (25M)	Presentation (25M)	Total(100M)
1.	721135405081	AVADUTHALA MOHAN GEETHA	17	24	20	20	81
2.	721135405082	BANDI TEJASWINI	18	26	21	21	86
3	721135405083	BANDI TEJOMAYEE	18	26	22	22	88
4.	721135405084	BATHULA NAGA SIVA GAYATRI	14	20	15	19	68
5.	721135405085	BEERA SUKANYA	13	22	14	20	69
6.	721135405086	BODDAPU NOOKARATNAM	14	23	16	22	75
7.	721135405087	BOLEM TEJASVI	18	26	23	23	90
8.	721135405088	BOLLAM LEELA PRAVEENA	18	25	23	22	88
9.	721135405089	BONTHU DIVYA KRUPA	14	19	19	17	69
10	721135405090	BURRE LAVANYA	15	21	18	19	73
11	721135405091	CHAVITHINI SWATHI	17	24	22	21	84
12	721135405092	CHITTURU MOKSHA SRI	14	22	14	20	70
13	721135405093	DEVARA SIVAJI	14	20	16	19	71
14	721135405094	DUVVADA NISSI ALEKHYA	17	26	21	21	84
15	721135405095	E. HEMA VARAHA DURGA	17	25	22	21	85
16	721135405096	GANTA EMMI VINOLINI	Community service Project Not Submitted				
17	721135405097	GORINTHALA DHIKSHITHA	Community service Project Not Submitted				
18	721135405098	GUDALA KIRAN KUMAR	13	18	19	17	67
19	721135405099	GUDALA RANI	16	21	19	20	75
20	721135405100	JERRIPOTHULA SINDHU	14	18	18	17	67
21	721135405101	KARAKA VASANTHA	14	18	20	19	71
22	721135405102	KARRI LAKSHMI	15	23	17	22	77

B. Chandramouli
B.CHANDRAMOULI
 Lecturer in Botany
 S.G.A.Govt. Degree College
 Yellamanchili - 531055
 Visakhapatnam Dist.

P. Chandraiah
P. Chandraiah
 Principal
 S.G.A.Govt. Degree College
 YELLAMANCHILI - 531 055
 Visakhapatnam District.

SES of Community Service Project by Students



Highlights of the Botany Department

Best Meritorious Award in Teaching - Learning

**DR B CHANDRAMOULI, LECTURER IN BOTANY RECEIVED
THE DISTRICT MERITORIOUS TEACHER AWARD**



Dr B Chandramouli, Lecturer in Botany received the District Meritorious teacher award from the District collector on 15-08-2022. The Principal, Dr P Chandra Sekhar and the Staff congratulated him for the achievement.

Acheivements

Dr. B. Chandramouli acted as FAC Principal

PROCEEDINGS OF THE COMMISSIONER OF COLLEGIATE EDUCATION
ANDHRA PRADESH :: VIJAYAWADA.

Present : Dr.Pola Bhaskar, I.A.S.,

Rc.No.48/OP.I/2021

Dated: 06.08.2021.

Sub:- A.P.C.E.S. - FAC arrangements to the post of Principal,
S.G.A.Government Degree College, Yellamanchili, Visakhapatnam
District - Modification - Orders - Issued.

Read:- 1) Spl.C.C.E.'s Procs.Rc.No.20/GDC CS/2019, dated 04.12.2020.
2) This office Procs.Rc.No.48/Ser.I/2021, dated 24.06.2021.
3) Letter dated 03.07.2021 from the Principal (I/c),
S.G.A.Government Degree College, Yellamanchili,
Visakhapatnam District.

--oOo--

In the circumstances stated in the reference 2nd read above and in
modification to the orders issued in the proceedings 1st read above,
Dr.B.Chandramouli, Lecturer in Botany, S.G.A.Government Degree College,
Yellamanchili, Visakhapatnam District is hereby placed in Full Additional Charge
of the post of Principal of the college with immediate effect in addition to his
normal duties until further orders.

Further, Dr.B.Chandramouli, Lecturer in Botany, S.G.A. Government
Degree College, Yellamanchili, Visakhapatnam District is hereby ordered to act as
special officer also to the newly established Government Degree College at
Nakkapalli, with a direction to follow instructions issued in the reference 1st read
above.

The receipt of these Proceedings should be acknowledged.

Sd/- Dr.POLA BHASKAR,
COMMISSIONER OF COLLEGIATE EDUCATION

To
Dr.B.Chandramouli, Lecturer in Botany,
S.G.A. Govt. Degree College, Yellamanchili, Visakhapatnam District.
Copy to the Principal, S.G.A. GDC, Yellamanchili, Visakhapatnam District.
Copy to the Regional Joint Director of Collegiate Education, Rajahmundry.
Copy forwarded to the STO, Yellamanchili.
Spare-1.

//FORWARDED :: BY ORDER//

DEPUTY DIRECTOR OF COLLEGIATE EDUCATION



SRI GURAJADA APPA RAO GOVERNMENT DEGREE COLLEGE

Yellamanchili - 531055

NAAC A GRADE



From
Dr.B.Chandramouli
Lecturer in Botany
SGA Govt.Degree College, Yellamanchili
Visakhapatnam

To
The Commissioner of
Collegiate Education
Prasadampadu
Vijayawada - AP.

Lt.No : 9/A/FAC/2021..Dated: 06.08.2021

Sir,

Sub: - A.P.C.E.S - SGA Govt. Degree College, Yellamanchili - FAC
arrangements to the Post of Principal - Dr.B.Chandramouli,
Lecturer in Botany, SGA Govt. Degree College, Yellamanchili -
Assuming Charge - Report Submitted - Reg.

Ref: - Rc.No.48/OP.I/2021 Dated.06.08.2021.

In obedience to the Instructions mentioned in the Proceedings cited above, I
submit that I have assumed the Full Additional Charge for the Post of Principal, SGA Govt.
Degree College, Yellamanchili and Special Officer to Government Degree College,
Nakkapalli on 06.08.2021, in addition to my normal duties as Lecturer in Botany of this
College.

Thanking You Sir,

Yours faithfully,

[Signature]
Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531 055
Visakhapatnam District.

Copy Submitted to:-

1. The RJDCE, Rajamahendravaram for favour of Information.
2. The Acting RJDCE for Zone - I for favour of Information.
3. The Principal, Visakha Women's College, Visakhapatnam for favour of Information.
4. The Principal, Dr.V.S.Krishna Govt. Degree College, Visakhapatnam for favour of Information.
5. The Sub-Treasury Officer, Yellamanchili for favour of Information.
6. The Branch Manager, State Bank of India, Yellamanchili for favour of Information.
7. The Branch Manager, Bank of Baroda, Yellamanchili for favour of Information.

As BOS Member

SGA Govt. Degree College, Yellamanchili

Department of Botany

Appointed as Board of Studies member for GDC (A), Tuni

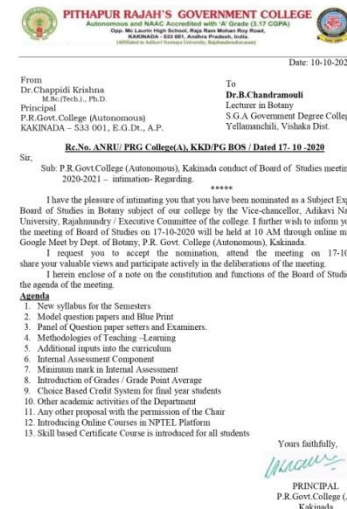
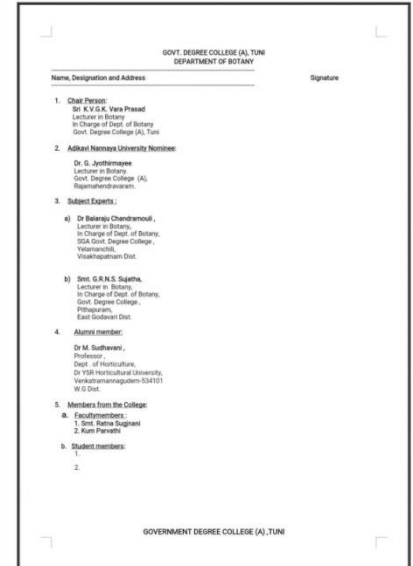
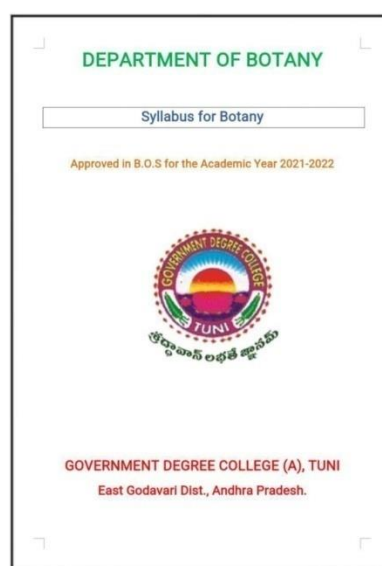


Dr. B. Chandramouli, Lecturer in Botany as BOS Member



Dr. B. Chandramouli, Lecturer in Botany as BOS Member and Question paper setter

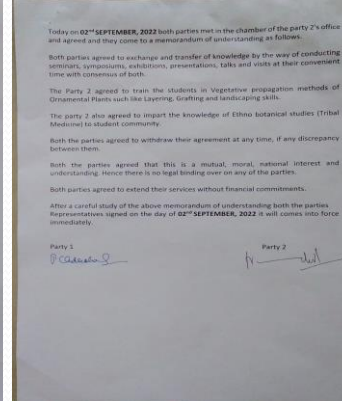
Appreciation from Principal Dr. P. Chandrasekhar garu.



Dr. B. Chandramouli is Board of studies member in Govt.Degree College (A), Tuni and PR Govt. Degree College, Kakinada.

MOU with Department of Horticulture, Andhra University

MOU with Horticulture Department, AU, Visakhapatnam





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YELLAMANCHILI - 531055, ANDHRA PRADESH



COLLABORATION

Between

The Department of Botany, SGA Govt. Degree College (Code: 354), Yellamanchili

And

The Department of Botany, Geetanjali Degree College (Code: 353), Yellamanchili

The Department of Botany, SGA Govt. Degree College, Yellamanchili, wish to have a collaboration with the department of Botany, Geetanjali Degree College, Yellamanchili from 01-01-2022 to 31-12-2025 and cooperation in areas of students interest by mutual agreement is aimed as set forth in this agreement.

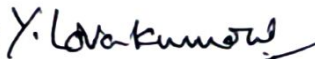
OBJECTIVES:

1. To provide formal basis for initiating interaction between the institutions mentioned above.
2. To help the students to have academic knowledge about the working of the department and their activities in Yellamanchili.
3. Joint preparation of study material for both theory and practical.
4. To conduct study tours and joint consultancy work.
5. Students exchange for enhancement of skills like teaching, speaking, and practicals.
6. Need based exchange of faculty.
7. Collaborate in teaching, research and development.

HOD of Botany, SGA GDC, Yellamanchili

 01/01/2022

HOD of Botany, Geetanjali DC, Yellamanchili

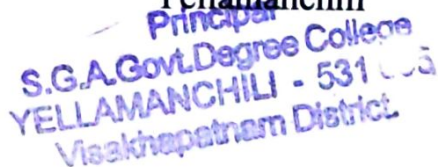




Principal

SGA Govt. Degree College

Yellamanchili



P. V. S. -

Principal

01.01.2022

Geetanjali Degree College

Yellamanchili





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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY





**SGA GOVT. DEGREE
COLLEGE,
YELLAMANCHILI**

**DEPARTMENT OF
BOTANY**

BEST PRACTICES



S.G.A.GOVERNMENT DEGREE COLLEGE

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YELLAMANCHILI - 531055, ANDHRA PRADESH



Best Practices from Department of Botany

Best practices are an inherent part of a curriculum that exemplifies the connection and relevance identified in educational research. Best practices are applicable to all grade levels and provide the building blocks for instruction. Best practices in Teaching learning process are important which motivate, engage and prompt students to learn and achieve, skills and abilities. Relationships are also built through opportunities for communication and teamwork.

In Teaching learning process, the Dept. of Botany followed more than 5 best practices so as to enable effective learning through illustrations, charts, bio-visual charts, PPTs, real and animated vedios.

I.Title of the best practices:

1. Visual clues
2. Graphic Organizers
3. Self instructional study material
4. Virtual science labs
5. ICT Enabled Learning
6. Video clips
7. Power Points Presentations (PPTs)
8. Field trips
9. Flipped Classroom
10. Science Quiz
11. Build your model
12. Other Methods

II. Objectives of the best practices:

1. To develop independent knowledge and skills.
2. To communicate information, ideas and proposals effectively in oral, visual and written forms.
3. To analyze and interpret the data.
4. Time management skills.
5. To engage in higher order thinking and engage in active learning.
6. To construct hypotheses and make decisions.
7. To work collaboratively with others.
8. To connect real-life work between College and what will take place in the rest of their lives.
9. To address cultural influences and individual learning styles.
10. To empowers students to take ownership of their learning.
11. To develop research skills.
12. Refine and update their advanced technological skills.

III. The Context:

Education is the manifestation of perfection already in men. It helps all round development in persons. Education without Philosophy is blind and Philosophy without education is invalid. Hence education is key to development through which skills for life achieved. Teaching learning is a dynamic and interactive process which includes norms, policies and practices. Science teachers work in class room, labs and work with in a larger, ever expanding and shifting educational system, characterized by ongoing state and federal reform efforts and changing student and teacher population.

There are two challenging issues in present education. Our Following semesters with CBCS pattern of grading system in education. It is a difficult and challenging issue in completion of syllabus in each semester by implementing comprehensive teaching learning methods along with teaching aids with in stipulated time. The conduction of practicals is too become difficult. The syllabus coverage in some cases is being hurried and towards the end of the semester where information is being crammed at once. This sluggish coverage initially and hurried coverage later should be avoided giving enough time to student in comprehending the topics and assimilating the facts.

The teachers find it difficult to keep pace with the techno – savvy student learners. It has become essential for some of the teachers to adopt to the latest pedagogic styles and include ICT in class room teaching. The mismatch between the student learner and the teacher in the use and comfort of handling varieties of tools (Eg. Edmodo) available for teaching learning needs to bridged.

IV. The Practice:

Visual clues:

- a. Using visual clues easily supplements auditory information and students can easily connect better with ideas.
- b. The multi-sensory experiences improve their understanding and memorization. This includes drawings, diagrams, and pictures to assist theory and setting up examples to show its application side.
- c. The sequence of lab procedures can be better taught using pictures with words approach.
- d. Building instructional conversations is a key method to teach science vocabulary. Let them talk in between the lectures about the experience they had with an application related to the topic of discussion.

1. Graphic Organizers:

- a. This teaching approach is helpful for students to interact with science in a more organized and structured way. Teachers can use different types of templates to represent the data according to the topic that is being handled.
- b. A typical format for graphic organizer contains a central point from which different branches are formed and there may be sub-branches in certain cases. Arrows are used to point the direction or sequence of a process.
- c. As biological teacher, we used flow charts, cycles to teach life cycles of plants and biochemical pathways in Botany.

2. Self instructional study material:

- a. The Teacher has prepared material in simple sentences by studying standard books and provided to students.
- b. Every student can easily understand and follow the prepared material which is more useful in facing academic examinations in semester.

3. Virtual science labs:

- a. There are many virtual science labs available online for free and therefore, this approach almost gives hands on experience of learning the subject without much expense.
- b. Detailed diagrams, illustrations or close up pictures allow students to virtually get inside a plant or animal part without actually doing it.
- c. Dissections in biology can be studied thoughtfully with a virtual hands-on sensation without the problem of odour and similarly, experiment a chemical reaction without burns.

4. ICT Enabled Learning:

- a. ICT refers to the use of Information and Communications Technology to teach the scientific ideas that promotes open source learning.
- b. In order to make the accessing, storing, transmitting, and manipulation of information more easy, this approach integrates telecommunications, computers and relevant enterprise software, storage, middleware, and audio-visual systems required to handle the topic.

5. Video clips:

- a. This teaching technique makes use of instructional video clips available online or in libraries to show and teach a new concept.
- b. The evolution of a process can be conveyed better with animation videos. It can also be videos of demonstration of an idea or an application side of a theory or an interview with a scientist, tutorial by a subject expert and more.

6. Power Points Presentations (PPTs):

- a. Instead of the conventional talk and chalk methods, teachers now include power point presentations in their classroom sessions to make it more interesting.
- b. They connect the computers to projectors to address a larger classroom and include interesting slides with diagrams and flow charts to make the teaching more interactive.

7. Field trips:

- a. In the middle of boring classroom sessions, take your students out for field trips to experience science while learning. Go to a nature center, a botanical garden or local agriculture centres.
- b. You can also spend some time with the students in the park or simply go on a nature walk to experience the science around while learning new concepts.

8. Flipped Classroom:

- a. In this innovative teaching technique, students are asked to go through video instructions or tutorials in the initial stage, i.e. digital learning.
- b. The second stage will be in classrooms where they involve in challenging tasks and assignments based on the information gathered through video assets. This flipped learning frees up class time for activities such as hands-on labs, guided practice or online simulations. Eg. Edmodo

9. Science Quiz:

- a. Include a quiz as a part of your classroom sessions when teaching science. This can be done as a whole class activity by splitting the group into 4 or more sets. The questions can include the application of the theory taught in class.
- b. Students can discuss and share ideas to find the solution within the stipulated time frame. This teaching approach helps students to think from different angles and sometimes, to think out of the box.

10. Build your model:

- a. This can be a challenging task given to students as part of science education. Models are the building blocks of science which are used to explain the diverse aspects of real world.
- b. Ask your students to build their own model using the scientific knowledge they have acquired and you can provide supportive guidance.
- c. Students will be creative in making models and designing their own imaginative means of testing them. This is the right approach to find the scientist in them.
- d. The new era teachers and science enthusiasts have come up with many innovative teaching methods in science and the listed ones are just a few among them.
- e. We live in a scientific world and the advanced teaching strategies are helping students to discover and explore science every day.

11. Other Methods:

- a. The teachers looking for advanced techniques can also try group discussion, case studies, laboratory experiments, seminar, outdoor teaching, creative illustrations, crafts and interactive lecture demonstrations to help students to experience the beauty of science.
- b. Informal feedback is obtained from students regarding the content delivery by different teachers. The teaching learning committee members and the class teachers hold frequent informal meetings and cull out the information needed.
- c. Frequent assignments, tests and evaluation are conducted to improve performance in the semester end examinations.

5. Evidence of success:

- a. The teachers have adopted modern pedagogic styles and ICT in their classes.
- b. Some of the notes are scanned and uploaded in the Departmental computer.
- c. Some of the prepared notes shared to students through mail or some advanced ICT tools.
- d. Appropriately paced and timely completion of syllabus
- e. Increased attendance in the classes
- f. Improvement in results.
- g. Increase in the number of students securing high marks.
- h. Increase in the enrolment to higher education institutes from the college.
- i. Increase in the quality of results (number number of first classes, etc.)
- j. Attendance in the classes by these class of students has improved.

The above results indicated that following and usage of methodologies properly in time to time along with traditional methods of teaching. The collaborative mode of teaching enrich the knowledge and increases the comprehension in students.

6. Problems encountered and Resources required:

Problems encountered and resources required: Identify the problems encountered and resources required to implement the practice. (150 words).

- a. Lack of infrastructure so as to equip with all kinds of experimental instruments.
- b. Lack of second experimental laboratory.
- c. Lack of technical lab assistants (Human resources) to keep up the furniture properly in the laboratory and to arrange during conduction of practicals.
- d. Concentrating more on other than the academic activities.

- e. Extracurricular activities are given more important.
- f. Poor attendance of students in very 1st period.
- g. Development of animation based power point presentations in teaching, particularly in science subjects, has been hindered due to the want of technical expertise.
- h. The demand for ICT resources is increasing and paucity of funds has been the biggest impediment which may dampen the spirit of technology adoption by teachers.

7. Notes (Optional):

1. Computer experts and programmers train the traditional teachers in the use of Power Point Presentations, advanced ICT tools, educational apps, browsing the internet for useful resources, uploading content on the college website, use of google docs, sheets for information sharing.


B.CHANDRAMOUL
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.


Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531 055
Visakhapatnam District.

BEST PRACTICES OF BOTANY DEPARTMENT

- 1. ICT CLASSES**
- 2. GREEN ENVIRONMENT**
- 3. GROWING MEDICINAL
PLANTS**
- 4. MICRO IRRIGATION**
- 5. VRIKSHA BANDHAN**



**SGA GOVT. DEGREE COLLEGE,
YELLAMANCHILI**

DEPARTMENT OF BOTANY

ICT CLASSES

2017 TO 2022



S.G.A.GOVERNMENT DEGREE COLLEGE

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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

ICT Classes, 2017-22

S.No	Date	Name of the Lecturer	Group	Name of the Topic
1	03-01-2018	Dr. B. Chandramouli	III CBZ	Plant Tissue culture principles
2	08-08-2018	Dr. B. Chandramouli	II CBZ	Enzymes
3	12-12-2018	Dr. B. Chandramouli	II CBZ	IUB System of Nomenclature
4	23-01-2019	Dr. B. Chandramouli	II CBZ	Asorption of Water
5	05-02-2019	Dr. B. Chandramouli	All	Usage o ICT Tools
6	21-08-2019	Smt.J.Lavanya	I CBZ	Mana TV Classes
7	23-01-2019	Dr. B. Chandramouli	II CBZ	Absorption of Water
8	07-01-2020	Dr. B. Chandramouli	II CBZ	Photophosphorylation
9	07-01-2020	Smt.J.Lavanya	I CBZ	Pinus needle T.S
10	15-01-2020	Dr. B. Chandramouli	III CBZ	DNA Replication
11	02-02-2021	Smt.J.Lavanya	III CBZ	Ethnobotanical studies
12	04-02-2021	Smt.J.Lavanya	All	Corona virus awareness
13	12-11-2021	Dr. B. Chandramouli	III CBZ	DNA Repication
14	15-11-2021	Dr. B. Chandramouli	I CBZ	Cycas Root T.S
15	01-12-2021	Dr. V.Padmaja	III CBZ	Sterilization methods
16	07-02-2022	Dr. B. Chandramouli	III CBZ	Alstonia scholaris and Zingiber oficinale
17	08-02-2022	Dr. V.Padmaja	III CBZ	Endosperm culture
18	18-02-2022	Dr. B. Chandramouli	II CBZ	Boerhavia Stem T.S
19	25-3-2022	Dr. B. Chandramouli	III CBZ	Mevalanate and shikimate pathways
20	26-03-2022	Dr. B. Chandramouli	III CBZ	Zingiber oficinale Ethnobotanical uses
21	26-03-2022	Dr. B. Chandramouli	III CBZ	Curcuma longa uses
22	26-03-2022	Dr. V.Padmaja	I CBZ	Puccinia life cycle
23	26-03-2022	Dr. V.Padmaja	III CBZ	Golden rice importance
24	26-06-2022	Dr. B. Chandramouli	II CBZ	Bentham & Hooker Classification
25	15-07-2022	Dr. B. Chandramouli	II CBZ	Enzyme structure and types
26	15-07-2022	Students	II CBZ	Factors controlling enzyme activity
27	30-07-2022	Dr. B. Chandramouli	II CBZ	Asteraceae Family


B.CHANDRAMOULI
Lecturer in Botany
S.G.A.Govt. Degree College
Yellamanchili - 531055
Visakhapatnam Dist.


Principal
S.G.A.Govt.Degree College
YELLAMANCHILI - 531055
Visakhapatnam District.



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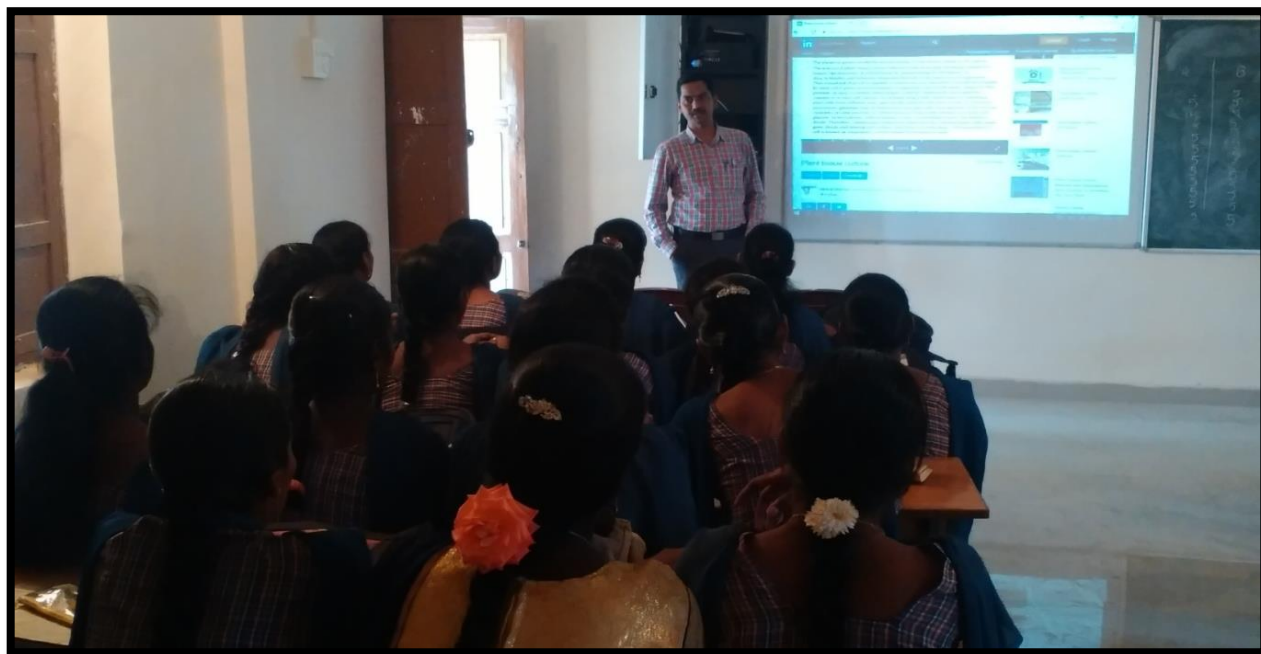
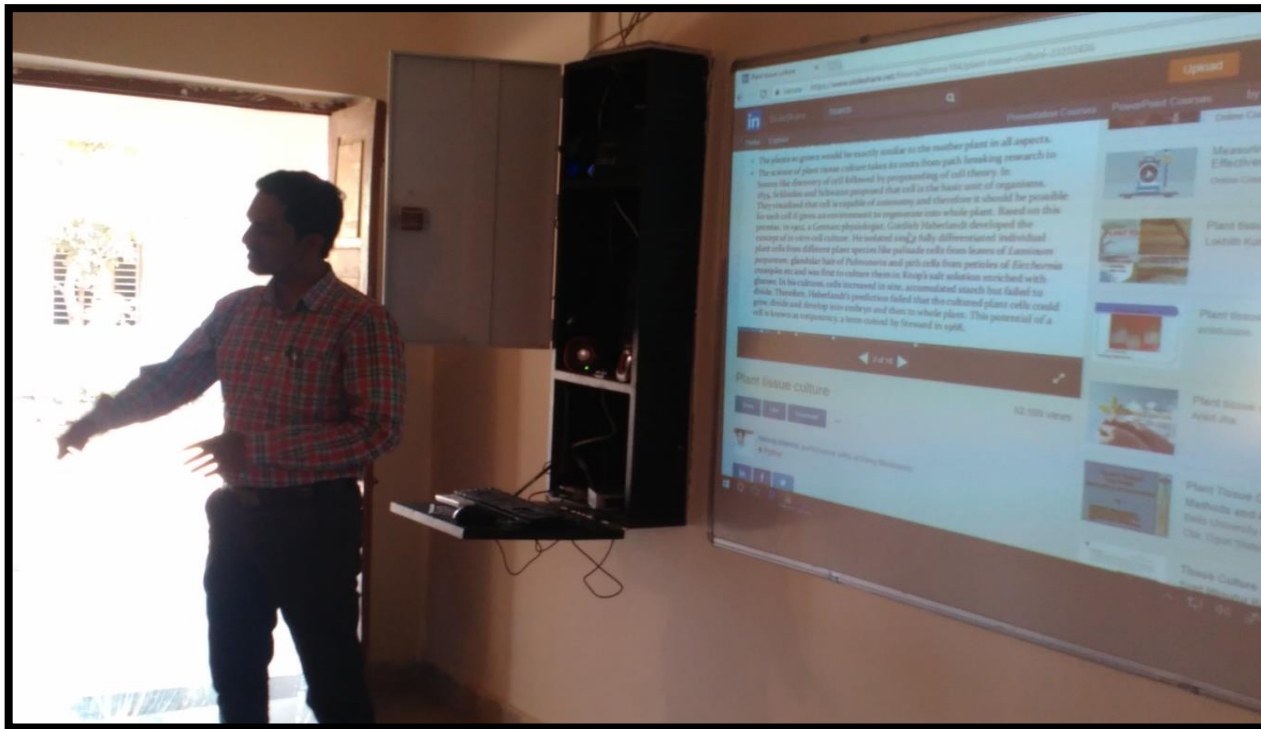
YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Activity: Digital Classes to II CBZ, 2017-18

Topic: Plant tissue culture principles Date: 03-01-2018



Name: Dr. B. Chandramouli and III CBZ students



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DEPARTMENT OF BOTANY

Activity: Smart Classes, 2018-19

Topic: Enzymes – IUB system of Enzyme Nomenclature Group: II CBZ

Date: 08-08-2018



Name: Dr. B. Chandramouli, Lecturer in Botany and II CBZ students



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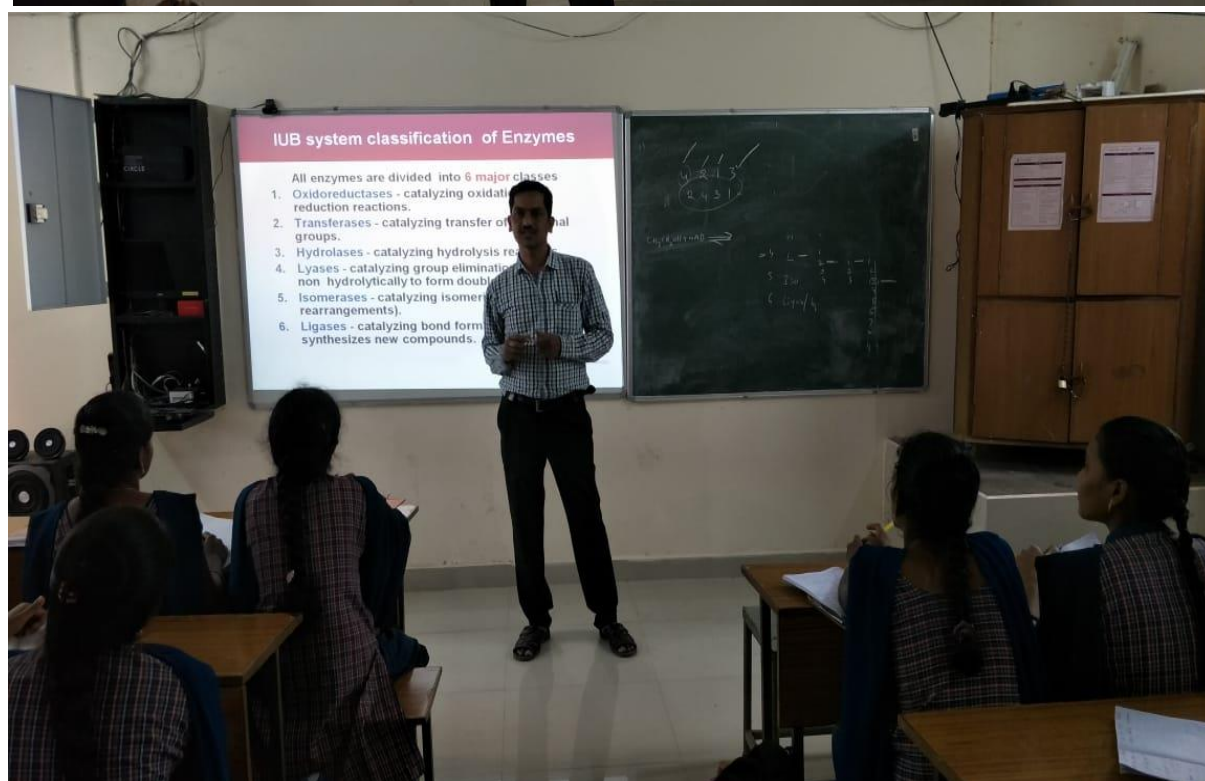
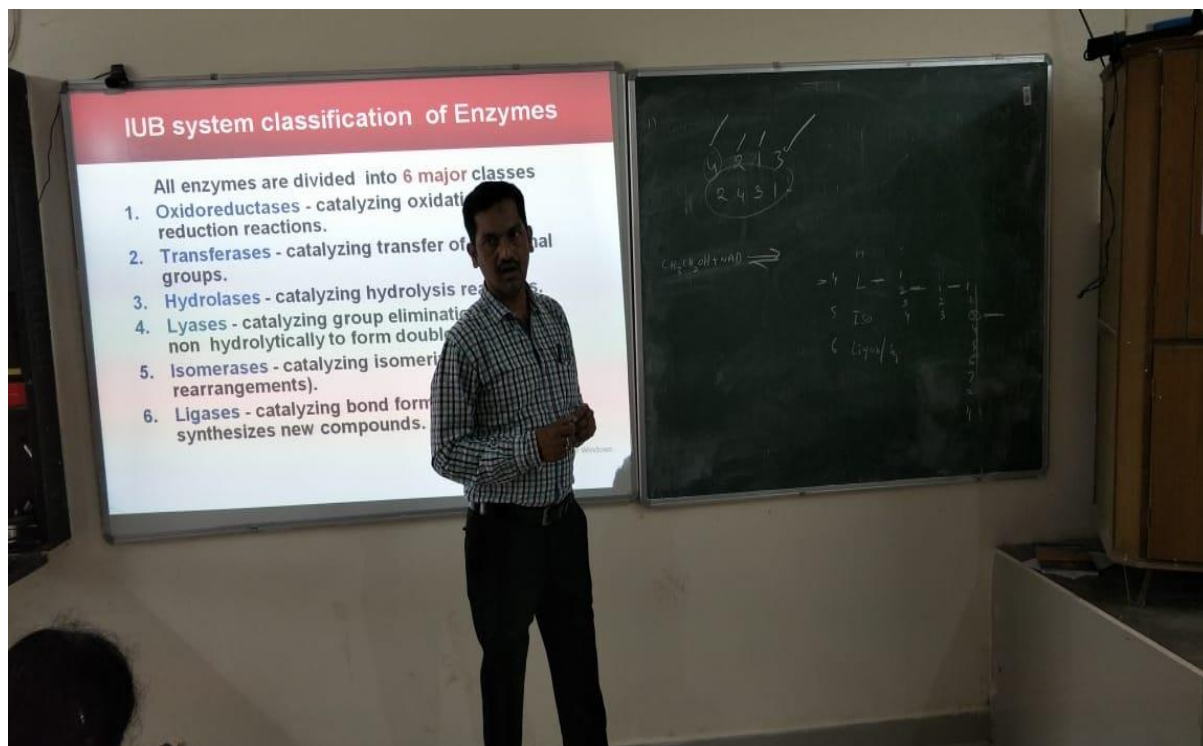


DEPARTMENT OF BOTANY

Activity: Digital Classes to II CBZ, 2017-18

Topic: IUB System of Nomenclature

Date: 12-12-2018



Name: Dr. B. Chandramouli and II CBZ students



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DEPARTMENT OF BOTANY

Activity: Digital Classes to II CBZ, 2018-19

Topic: Absorption of Water

Date: 23-01-2019



Name: Dr. B. Chandramouli and II CBZ Students



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DEPARTMENT OF BOTANY

Activity: Usage of ICT Tools, 2018-2019

Date: 05-02-2019



Dr. K. Malyadri, Principal and Teaching staff participated in Training program



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DEPARTMENT OF BOTANY

Mana TV Classes, 2019-20



Name: Smt. J. Lavanya

Group: I CBZ

Date: 21-08-2019



Smt J. Lavanya, Lecturer in Botany and I CBZ Students for Mana TV Classes



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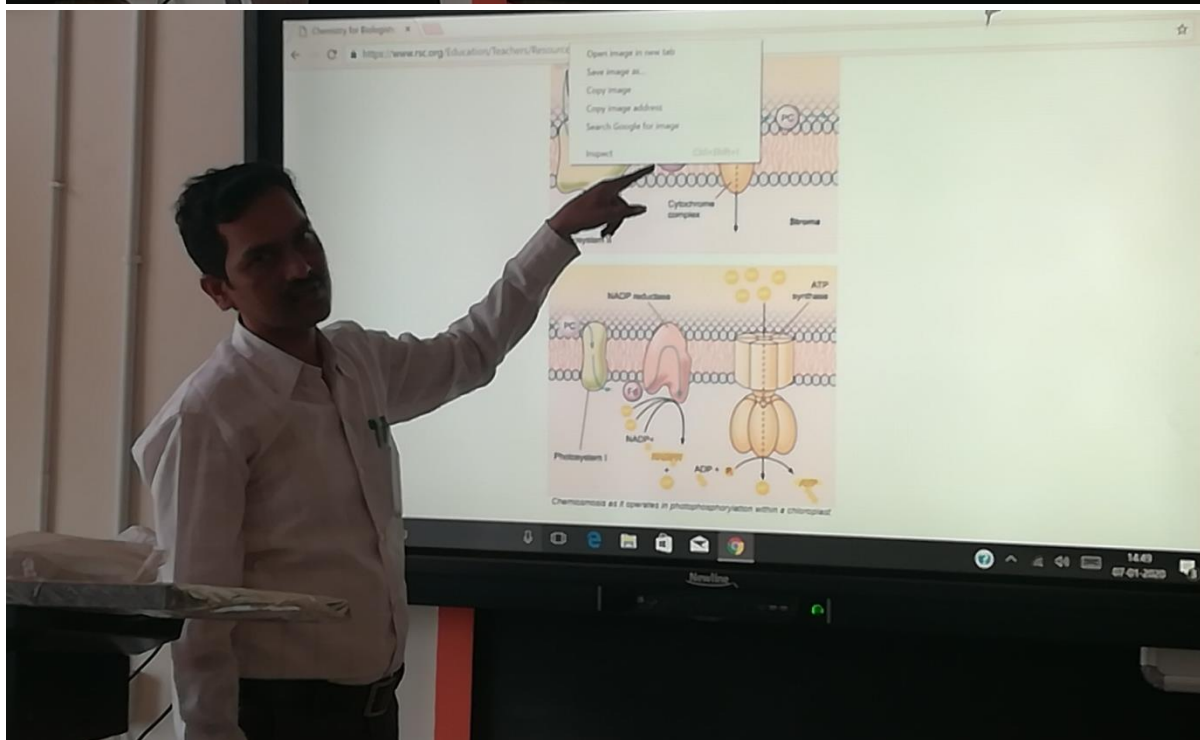
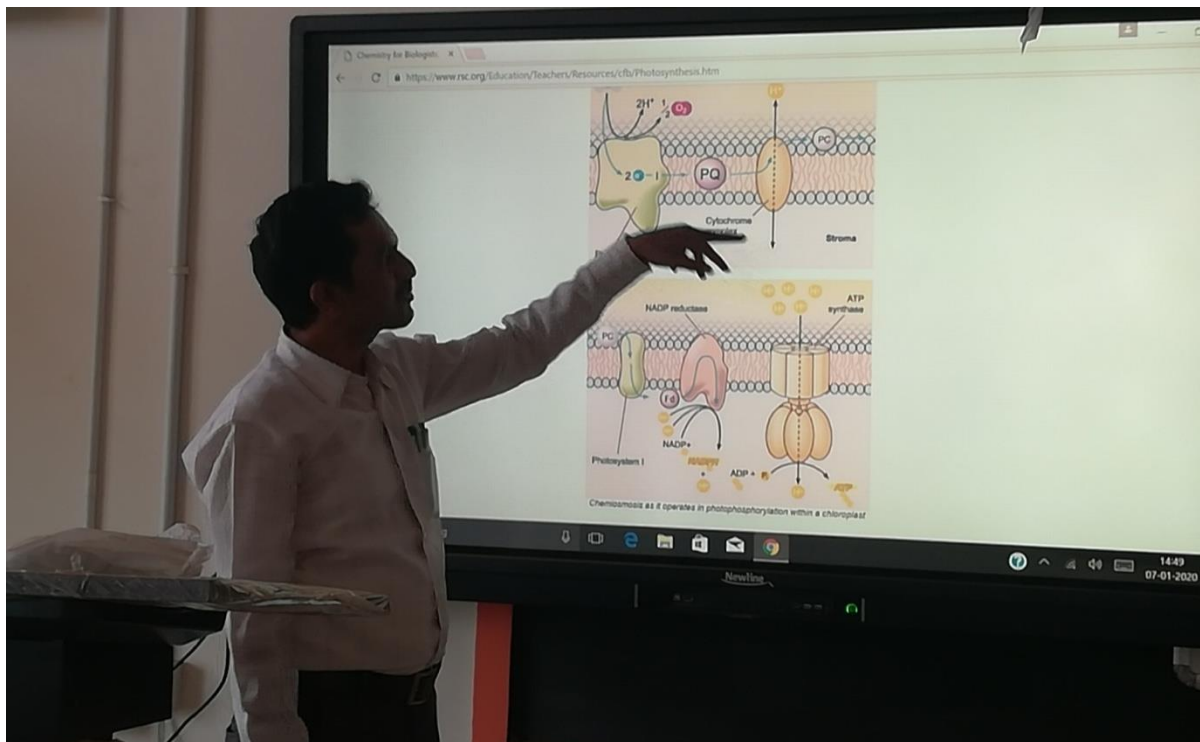
DEPARTMENT OF BOTANY

Activity: Digital Class, 2019-20

Topic: Photophosphorylation

Group: II CBZ

Date: 07-01-2020



Name: Dr. B. Chandramouli, Lecturer in Botany



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YELLAMANCHILI - 531055, ANDHRA PRADESH



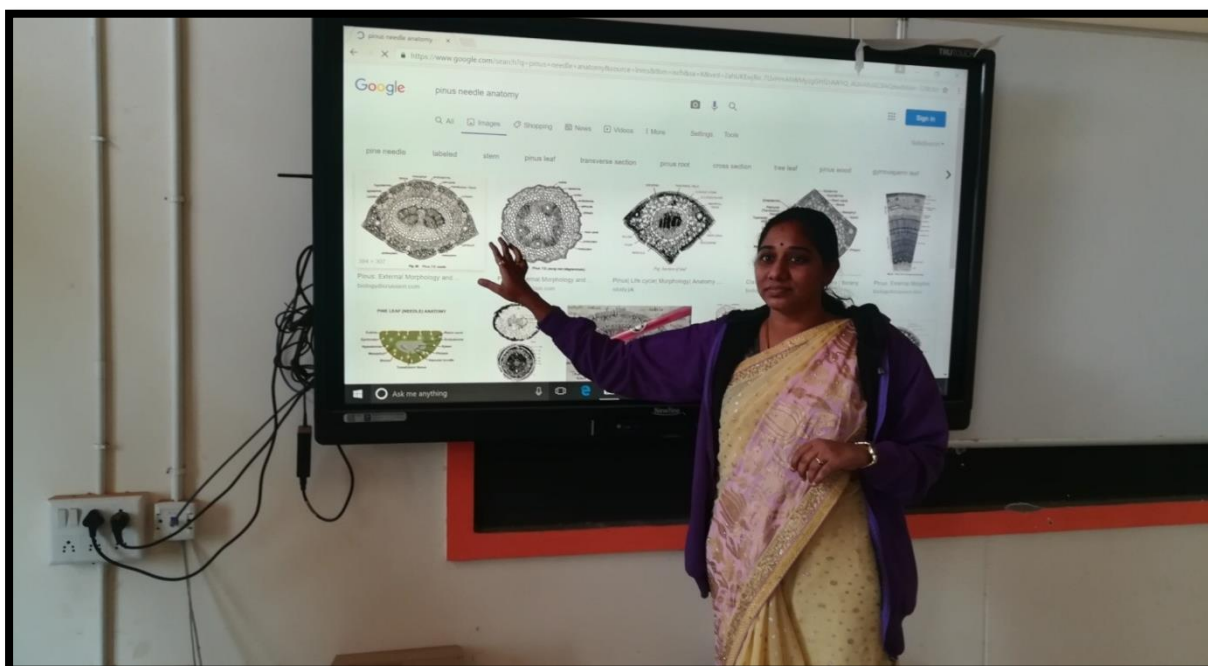
DEPARTMENT OF BOTANY

Activity: Digital Class, 2019-20

Topic: Pinus Needle T.S

Group: I CBZ

Date: 07-01-2020



Name: J. Lavanya, Lecturer in Botany



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Activity: Digital Class, 2019-20

Topic: DNA Replication

Group: III CBZ

Date: 15-01-2020



Name: Dr. B. Chandramouli, Lecturer in Botany and III CBZ students



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Activity: Digital Class, 2020-21

Topic: Ethnobotanical studies

Group: III CBZ

Date: 02-02-2021



Name: Smt. J. Lavanya, Lecturer in Botany and III CBZ students



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DEPARTMENT OF BOTANY

Activity: Digital Class, 2020-21

Topic: Corona Virus – Covid Awareness program

Resource persons:

1. Dr. B. Chandramouli, Lecturer in Botany

2. Smt. J. Lavanya , Lecturer in Botany

3. Sri G. Satyanarayana, Lecturer in English

Date: 04-02-2021



Group: All CBZ group students



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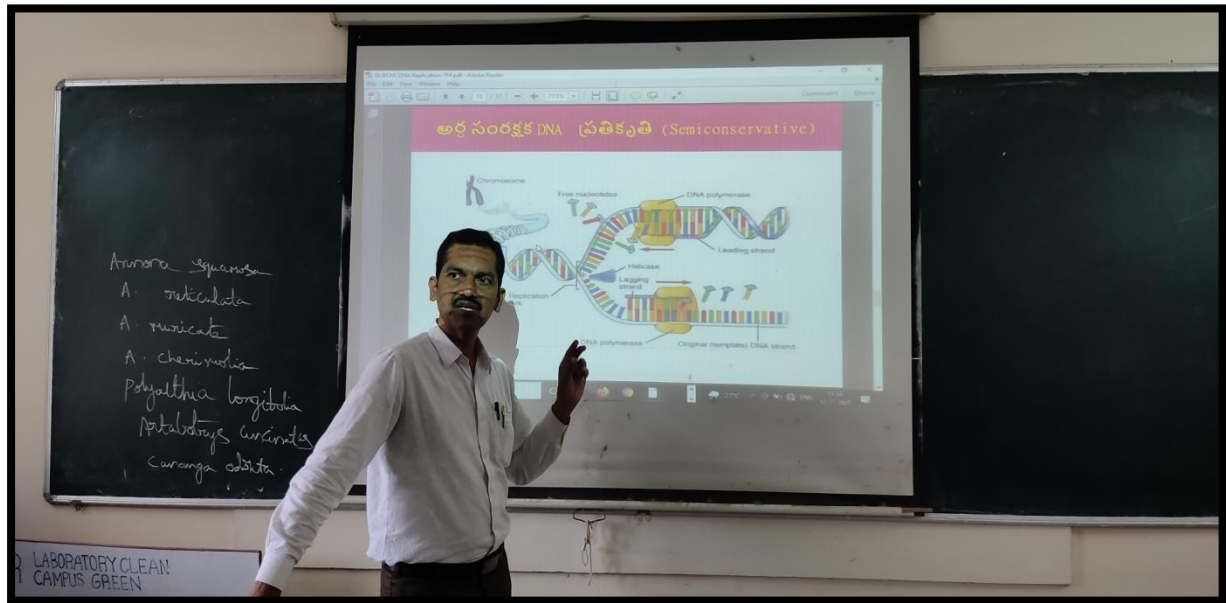
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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

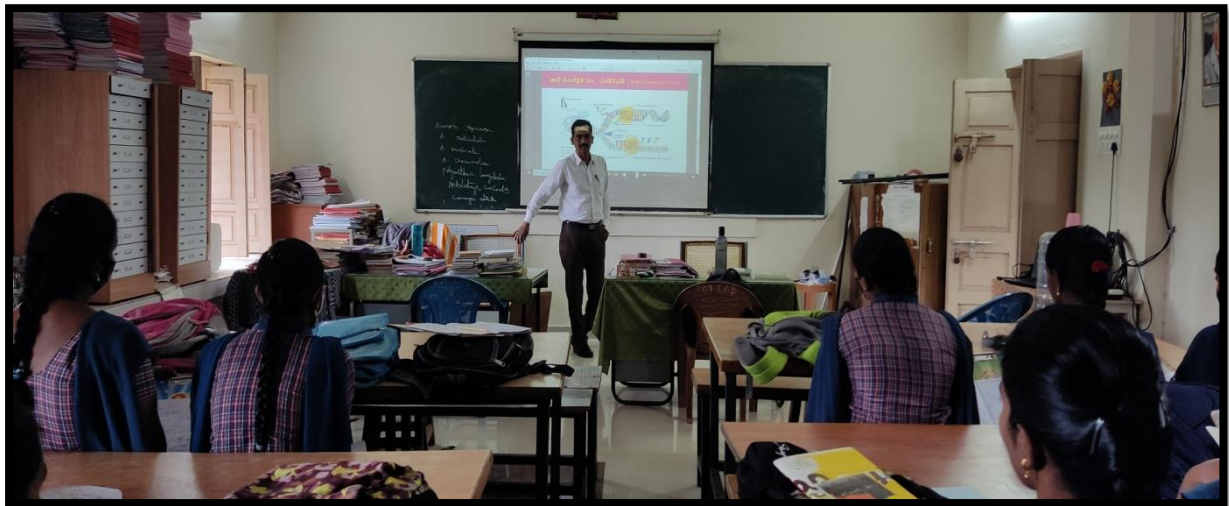
Activity: ICT Class for III CBZ Students, 2020-21



Name: Dr. B. Chandramouli

Topic: DNA Replication

Date: 12-11-2021



Name: Dr. B. Chandramouli

Topic: Semi Conservative method of DNA Replication

Date: 12-11-2021



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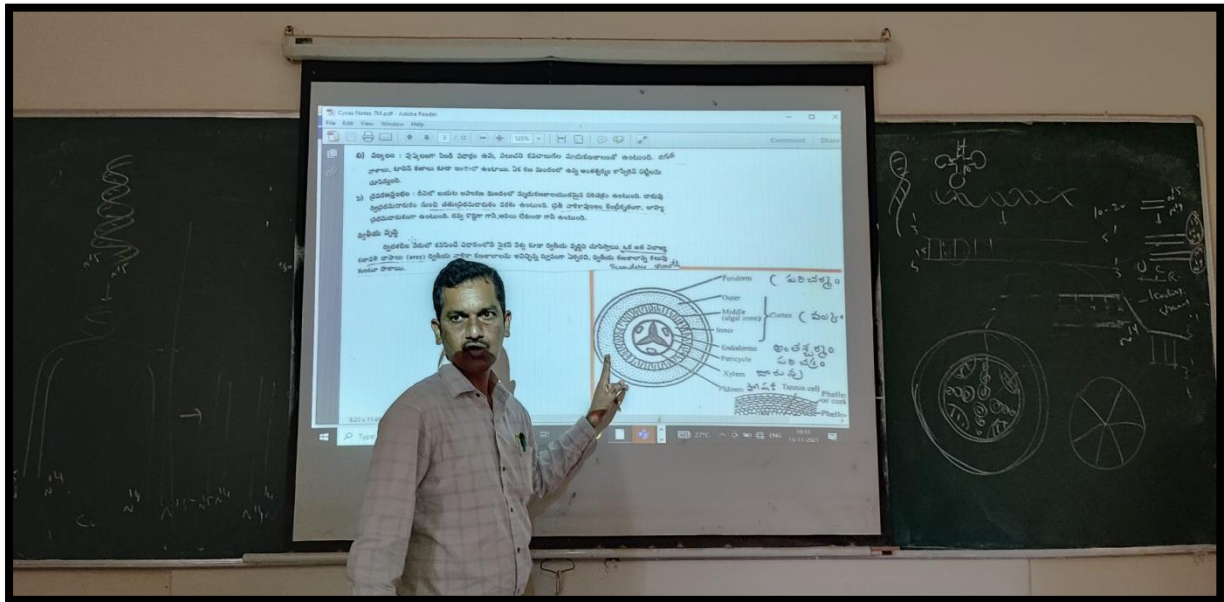
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DEPARTMENT OF BOTANY

Activity: ICT Class for I CBZ Students, 2020-21



Name: Dr. B. Chandramouli, Lecturer in Botany Topic: Cycas Root T.S Date: 15-11-2021



Name: Dr. B. Chandramouli, Lecturer in Botany Topic: Cycas Root T.S and secondary growth Date: 15-11-2021



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Activity: ICT Class, 2020-21

Topic: Sterilization methods

Date: 01-12-2021



Name: Smt. V. Padmaja and III CBZ students



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DEPARTMENT OF BOTANY

Activity: ICT Class for III CBZ, 2021-22



Name: Dr. B. Chandramouli

Topic: Alstonia scholaris

Date: 07-02-2022

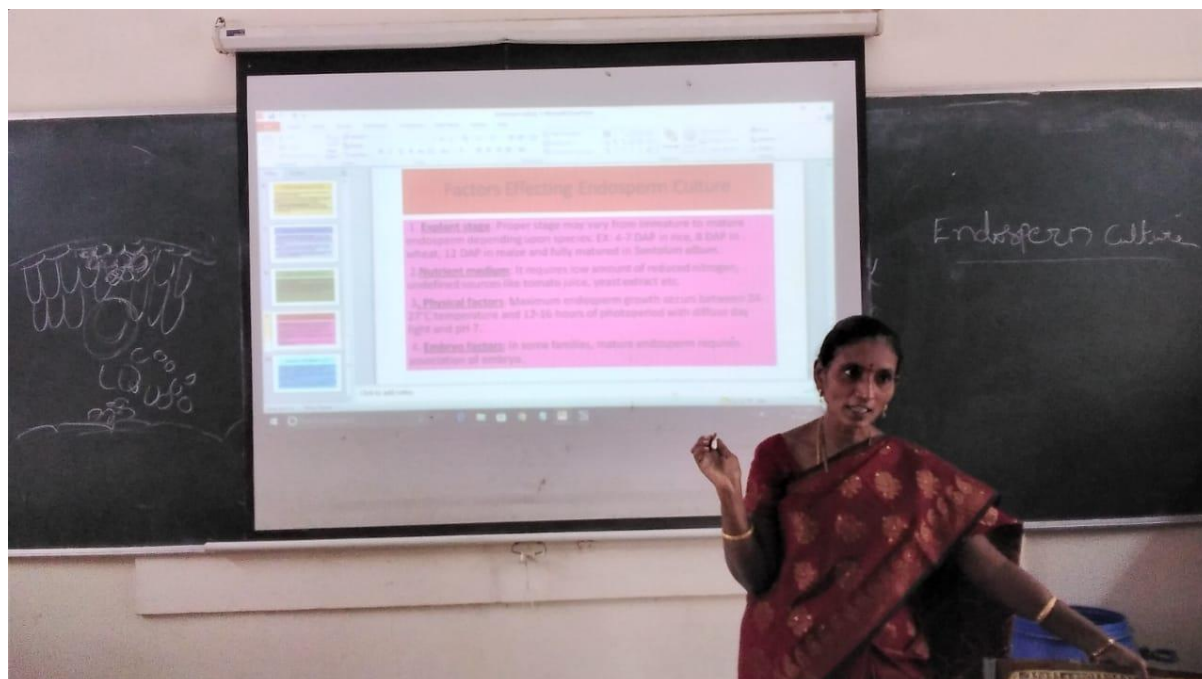


Name: Dr. B. Chandramouli

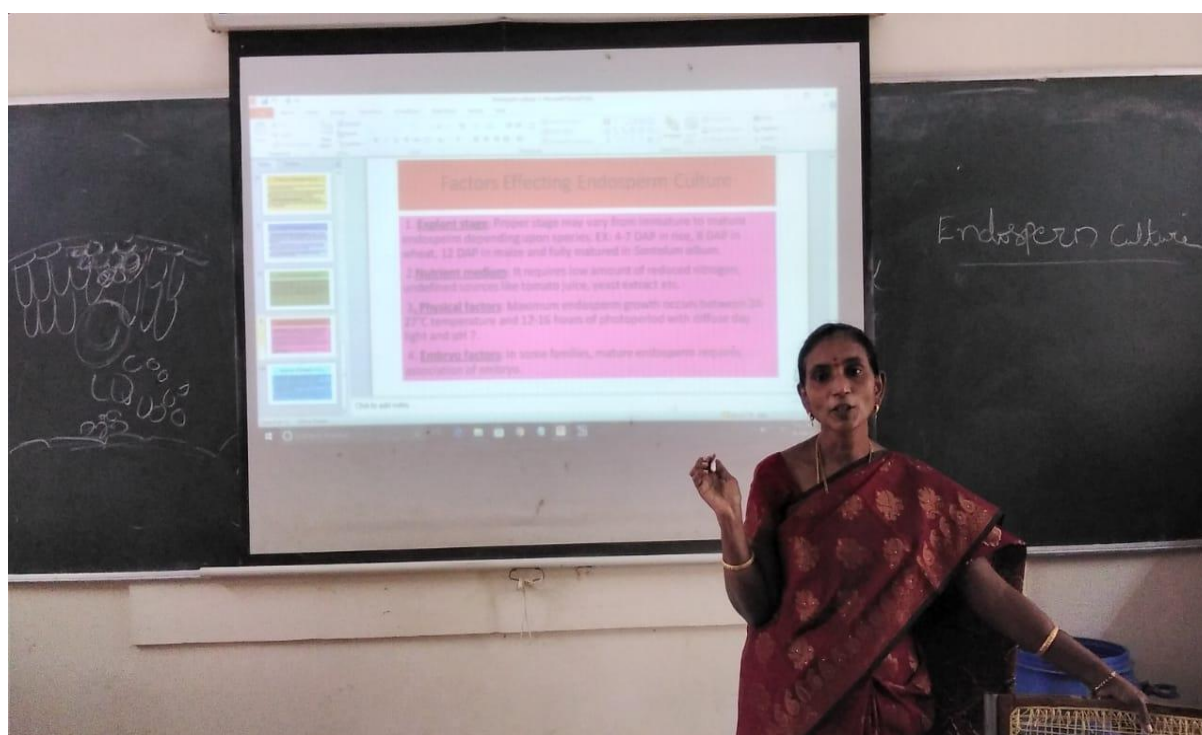
Topic: Zingiber officinale

Date: 07-02-2022

SGA Govt. Degree College, Yellamanchili
Department of Botany
ICT Classes for 2021-22



Name:Smt.V.Padmaja Topic: Endosperm culture Date:08-02-2022



Smt V. Padmaja, Lecturer in Botany Explaining the culture of Endosperm



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YELLAMANCHILI - 531055, ANDHRA PRADESH



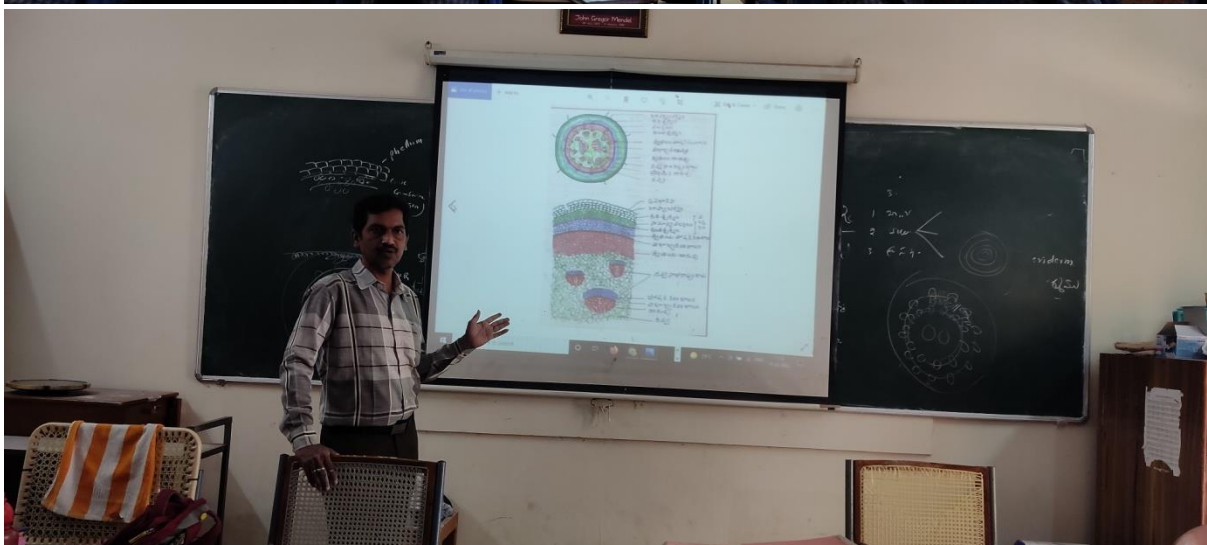
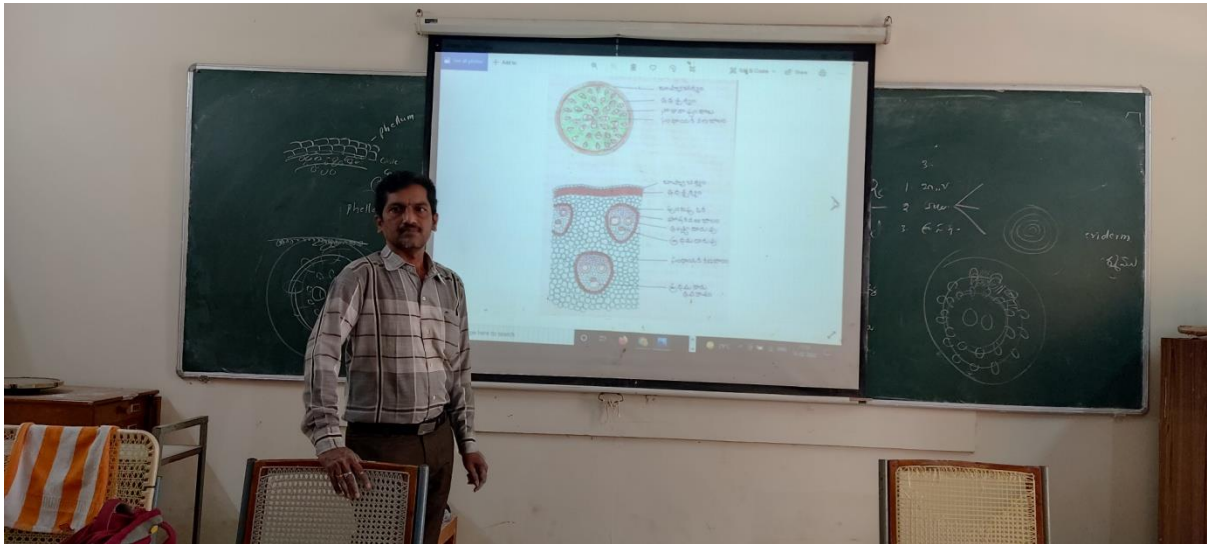
Department of Botany

ICT Class for I CBZ (SEM-II), 2021-22

Topic: Anomalous secondary growth in Boerhavia stem

Resource person: Dr.B. Chandramouli

Date: 18-02-2022



Dr. B. Chandramouli, Lecturer in Botany Explaining the Boerhavia stem T.S



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YELLAMANCHILI - 531055, ANDHRA PRADESH



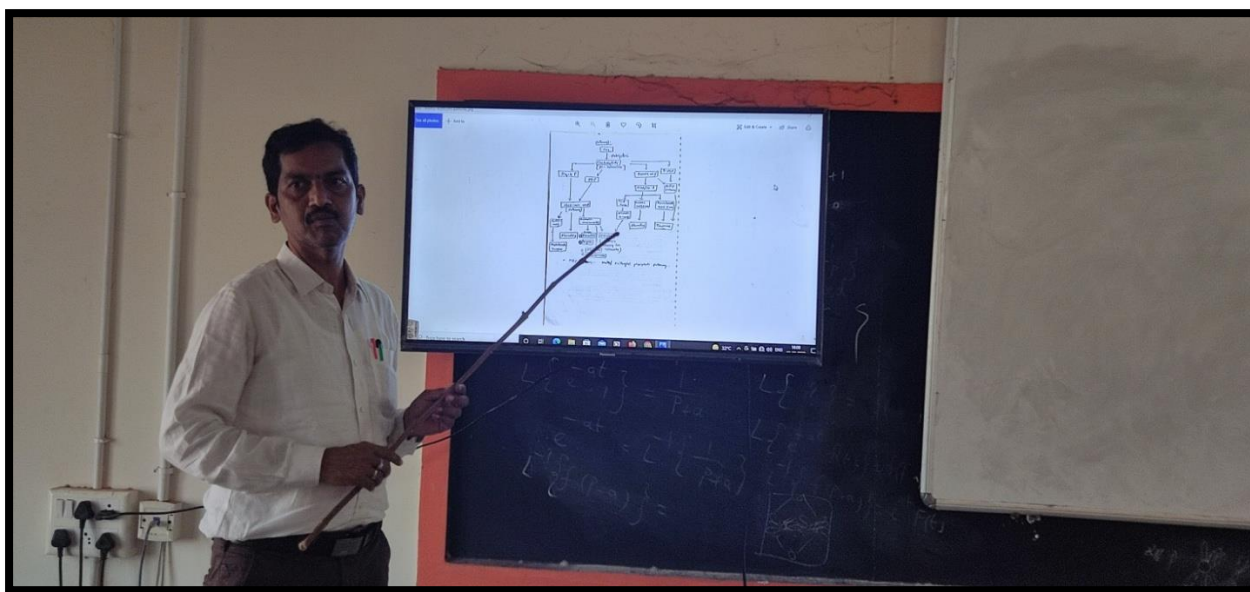
DEPARTMENT OF BOTANY

Activity: ICT Class, 2021-22

Topic: Acetate, Mevalanate and Shikimate pathways

Group: III CBZ

Date: 25-03-2022



Name: Dr. B. Chandramouli, Lecturer in Botany and III CBZ students



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DEPARTMENT OF BOTANY
ICT Class for III CBZ Students, 2021-22



Name: Dr. B. Chandramouli Topic: Zingiber officinale Date: 26-03-2022



Name: Dr. B. Chandramouli Topic: Zingiber officinale Ethnobotanical importance

Date: 26-03-2022



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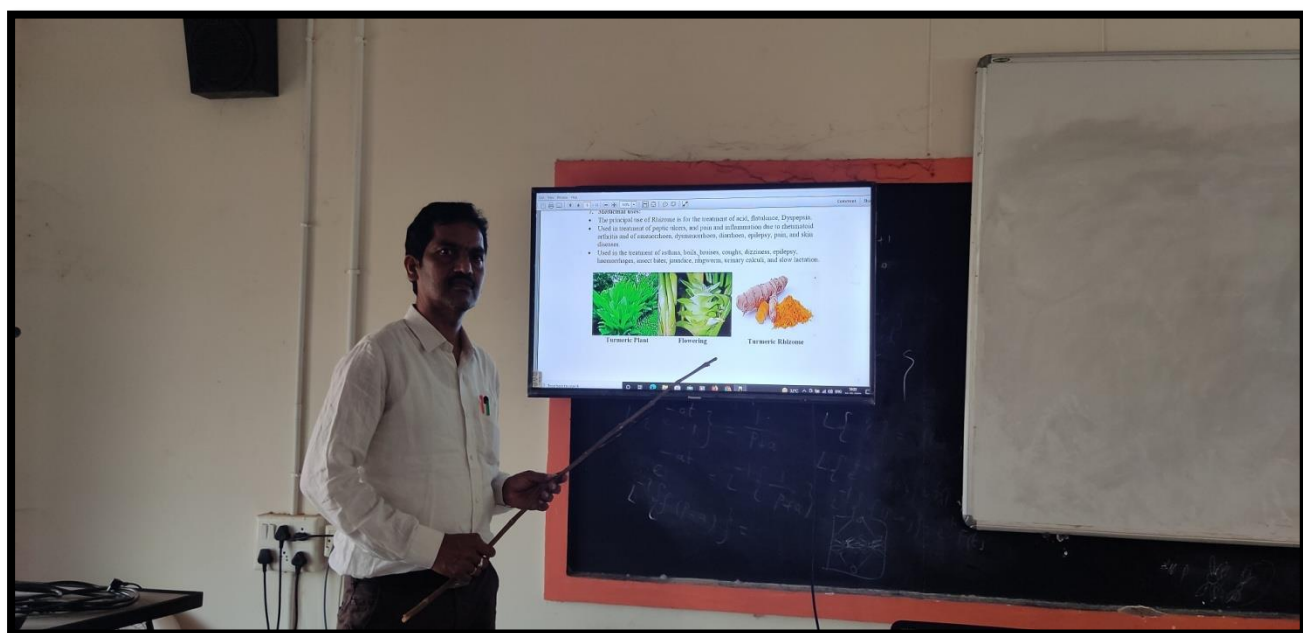
DEPARTMENT OF BOTANY

Activity: ICT Class, 2021-22

Topic: *Curcuma longa*

Group: III CBZ

Date: 26-03-2022



Name: Dr. B. Chandramouli, Lecturer in Botany and III CBZ students



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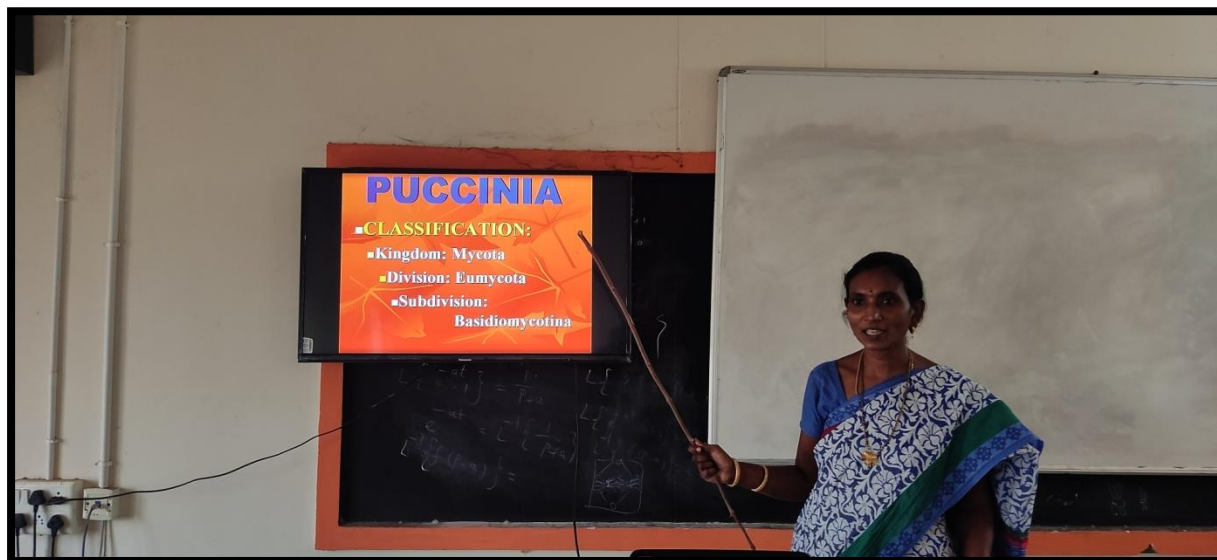
(Re-accredited by NAAC with 'A' Grade, Affiliated to Andhra University)

YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Activity: ICT Class for I CBZ Students, 2021-22



Name: Dr. V. Padmaja

Topic: Puccinia life cycle

Date: 26-03-2022



Name: Dr. V. Padmaja

Topic: Puccinia life cycle

Date: 26-03-2022



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DEPARTMENT OF BOTANY

Activity: ICT Class for III CBZ Students, 2021-22



Name: Dr. V. Padmaja

Topic: Golden rice

Date: 26-03-2022



Name: Dr. V. Padmaja

Topic: Importance of Golden rice

Date: 26-03-2022



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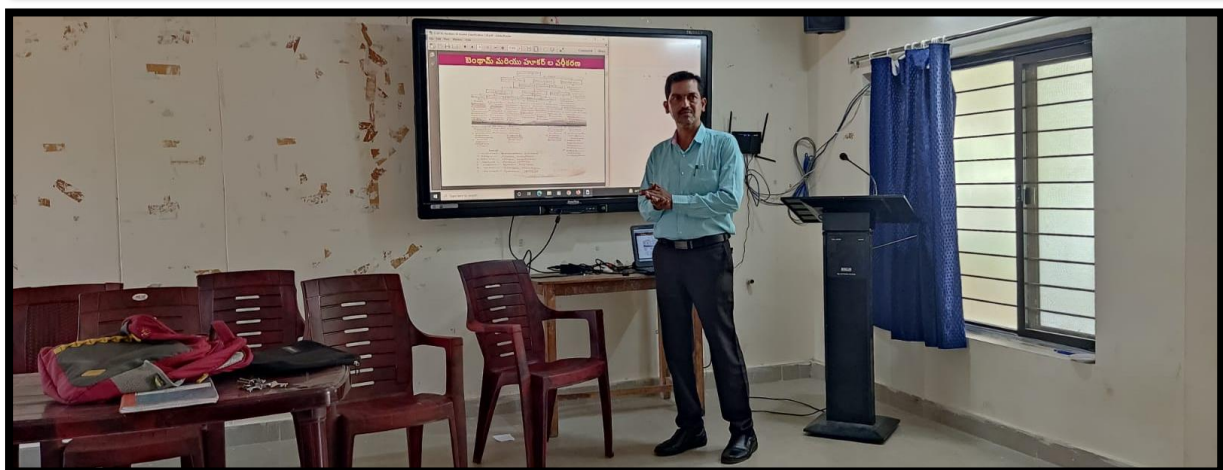
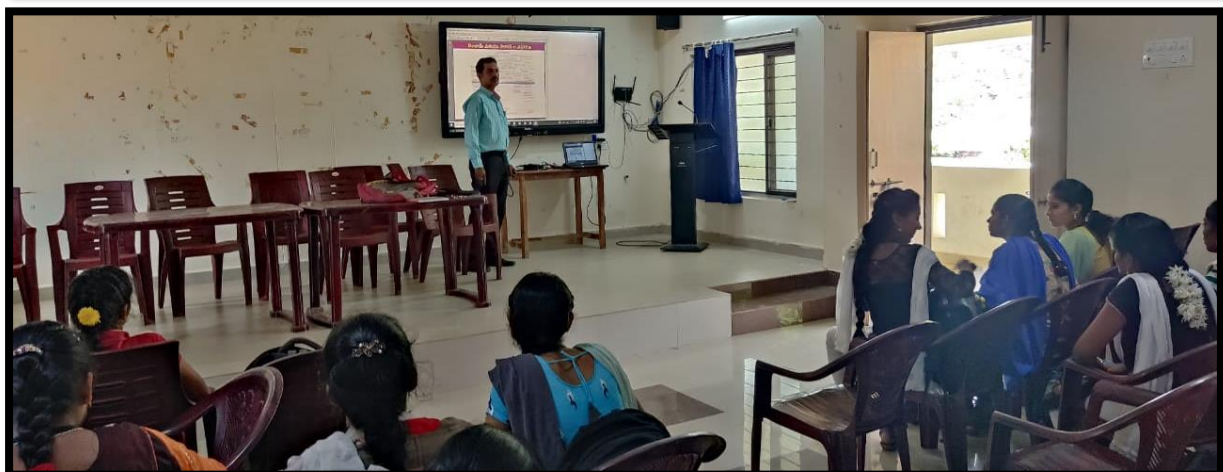
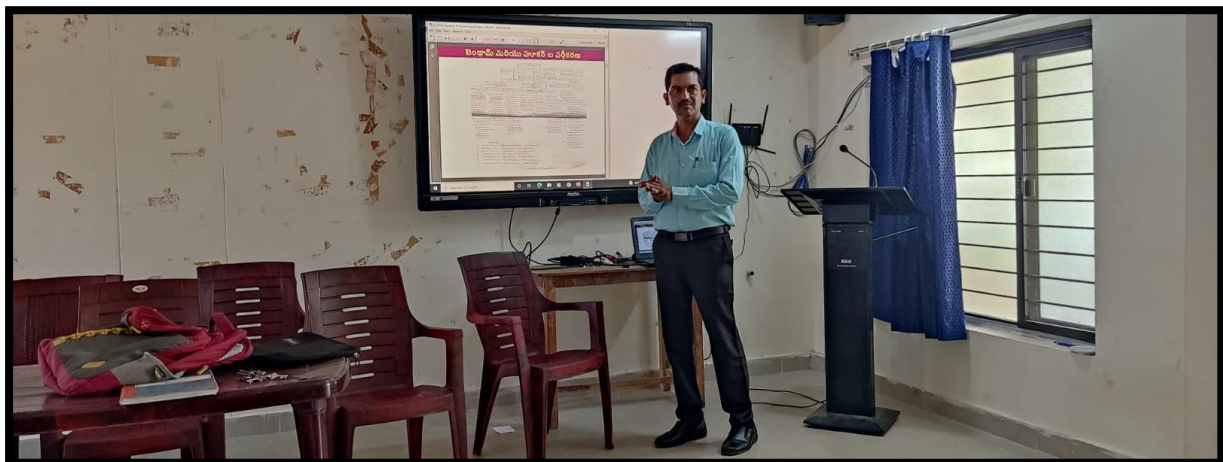
Department of Botany

Activity: Digital Class (ICT)

I CBZ, SEM-II

Topic: Bentham & Hookers Classification

Date: 26-06-2022



Dr. B. Chandramouli, Lecturer in Botany Explained the Bentham and Hooker's Classification on 26-06-2022 through ICT mode.



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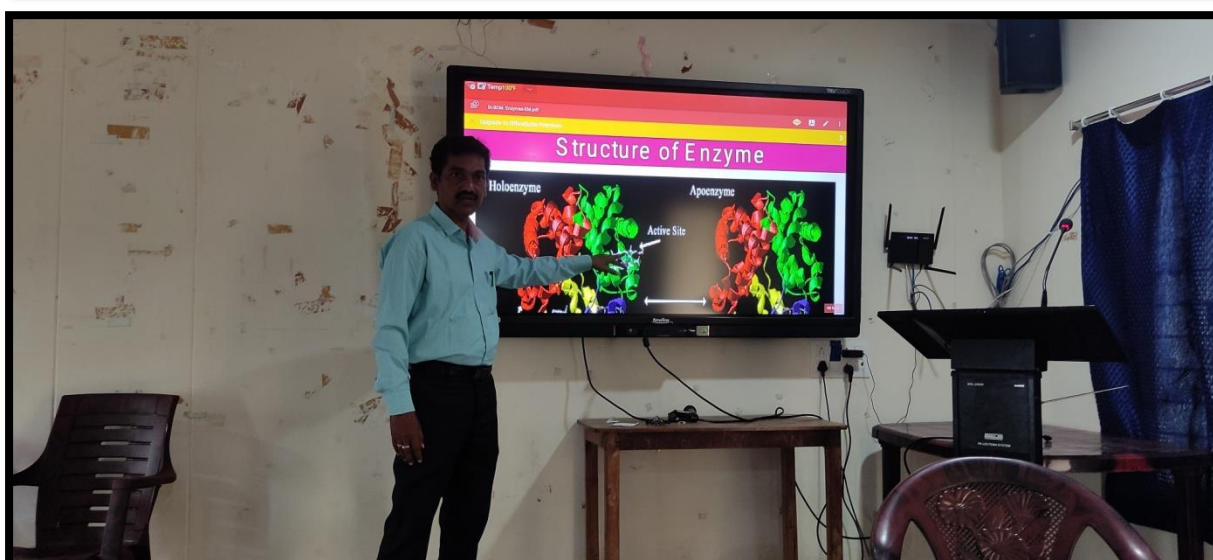


Department of Botany

Activity: Digital Class, 2021-22

Topic: Enzyme structure and types of Enzymes

Date: 15-07-2022



Name: Dr. B. Chandramouli

Topic: Enzymes – Properties and Structure

Group: II CBZ

Date: 15-07-2022



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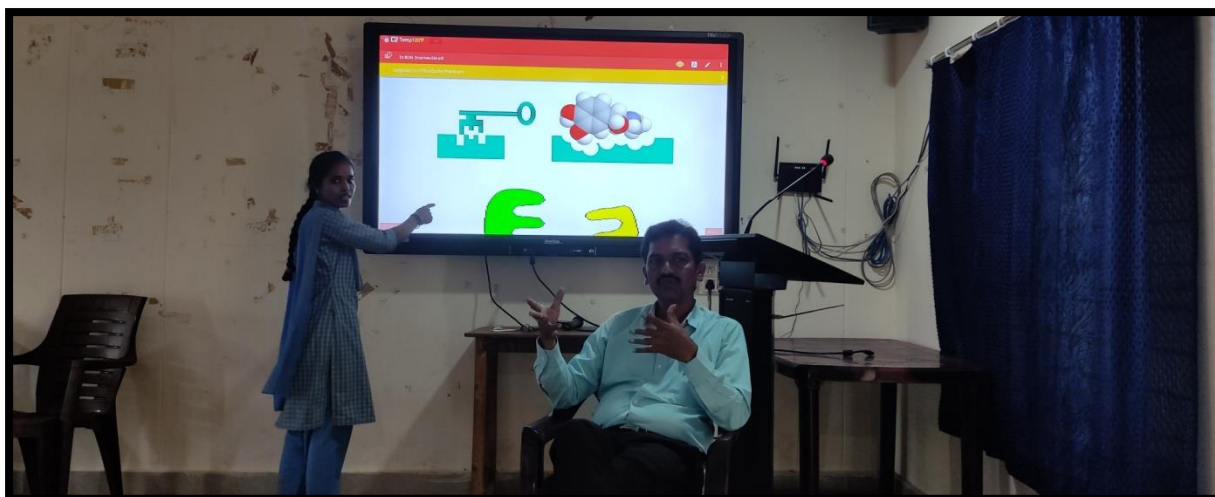
Department of Botany

Activity: Digital Class, 2021-22

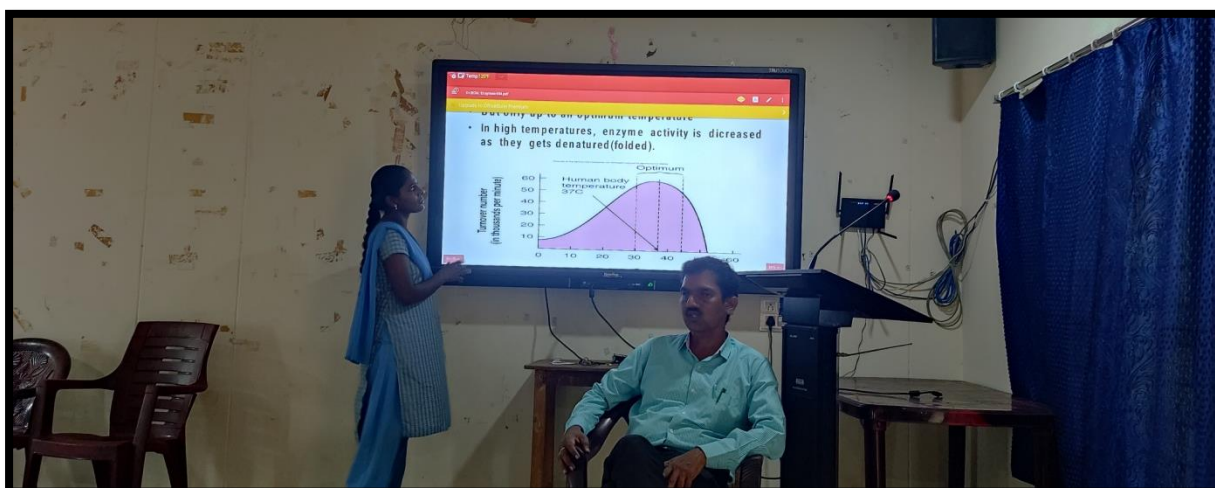
Topic: Enzymes – Mechanism and Factors influencing activity

Group: II CBZ

Date: 15-07-2022



Name of the student: O. Kumari II CBZ



Name of the student: Daiva Madhuri



Name of the student: T.Surya lakshmi



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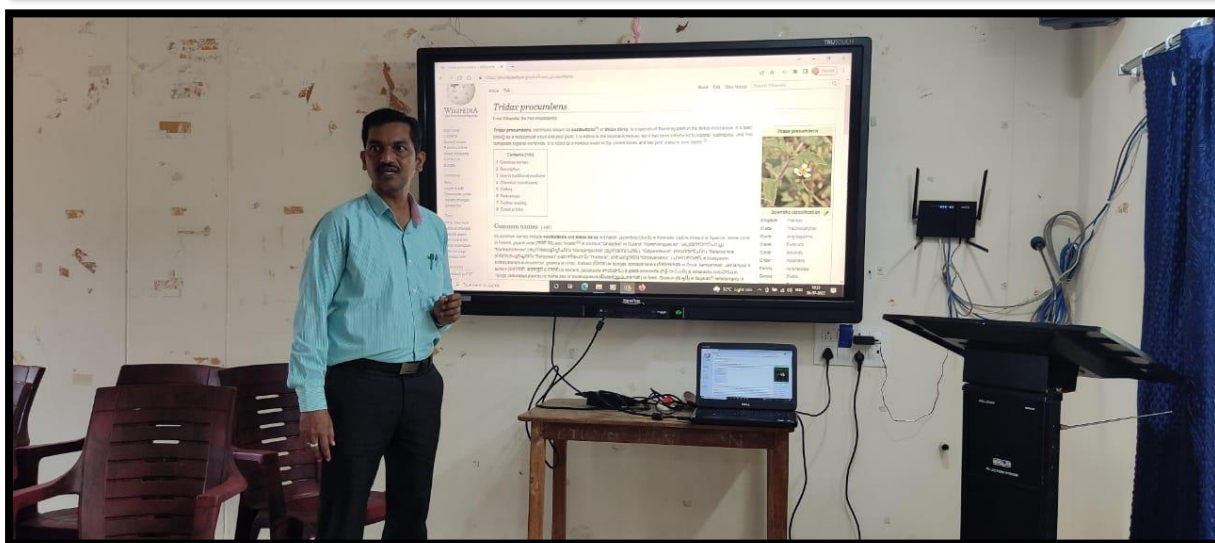
Department of Botany

Activity: Digital Class (ICT)

I CBZ, SEM-II

Topic: Asteraceae Family

Date: 30-07-2022



Dr. B. Chandramouli, Lecturer in Botany Explained the members of Asteraceae on 30-07-2022 through ICT mode.

GREEN ENVIRONMENT





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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Activity: Horticulture in Garden

Date: 27-09-2018





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DEPARTMENT OF BOTANY

Activity: Plantations in Botanical Garden

Program: Vanam-Manam

Date: 02-07-2019





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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Program: Clean and Green

III CBZ Students

Date: 03-07-2019



Dr. B. Chandramouli and III CBZ students participated in the Clean and Green Program



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Program: Clean and Green

II CBZ Students

Date: 05-07-2019



Dr. B. Chandramouli, lecturer in Botany and III CBZ students participated in the Clean and Green Program



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Activity: Plantations in Botanical Garden

Program: Vanam-Manam

Date:17-07-2019



Faculty of Botany Department and III CBZ students



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Program: Clean and Green

III CBZ Students

Date: 23-07-2019





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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Program: Clean and Green

III CBZ Students

Date: 04-12-2020



Faculty of Botany Department and III CBZ students participated in the Clean and Green Program



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YELLAMANCHILI - 531055, ANDHRA PRADESH

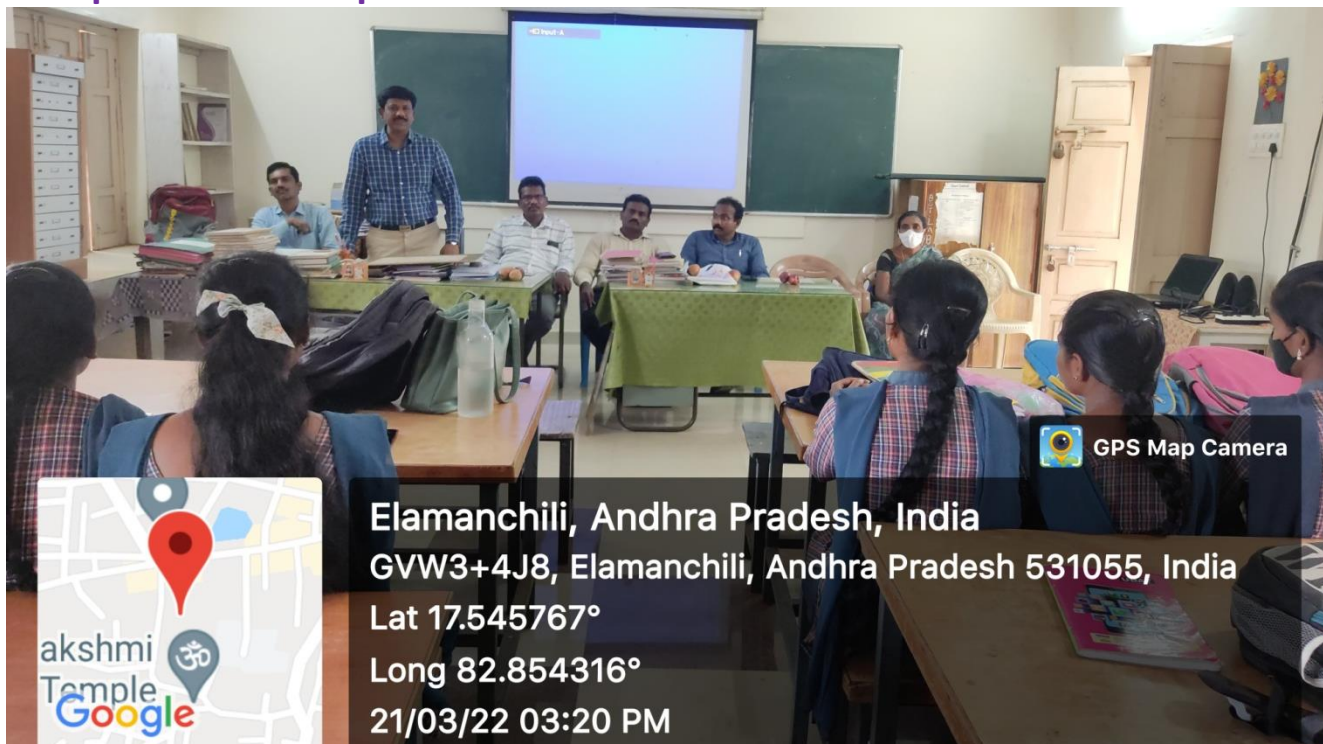


Department of Botany

Activity: World Forest Day

Group: All CBZ Group Students

Date: 21-03-2022



The Department of Botany organised World Forest Day on 21-03-2021.



SRI GURAJADA APPA RAO GOVERNMENT DEGREE COLLEGE



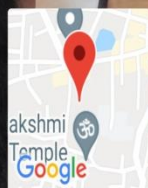
Yellamanchili - 531055, ANDHRA PRADESH

Department of Botany

Activity: World Forest Day

Group: All CBZ Group Students

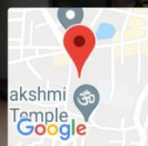
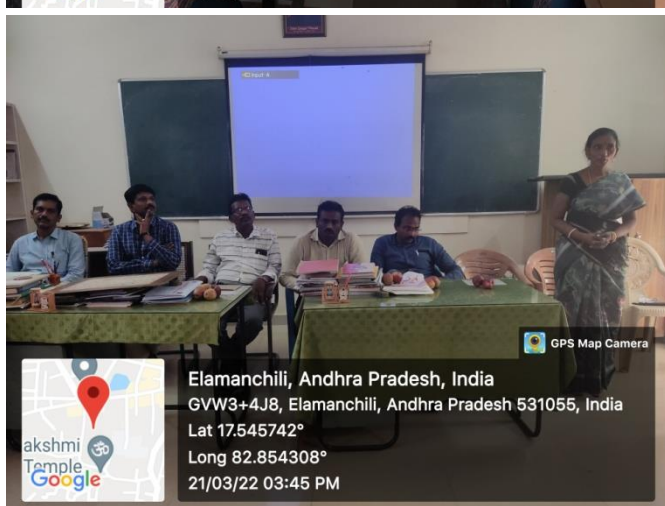
Date: 21-03-2022



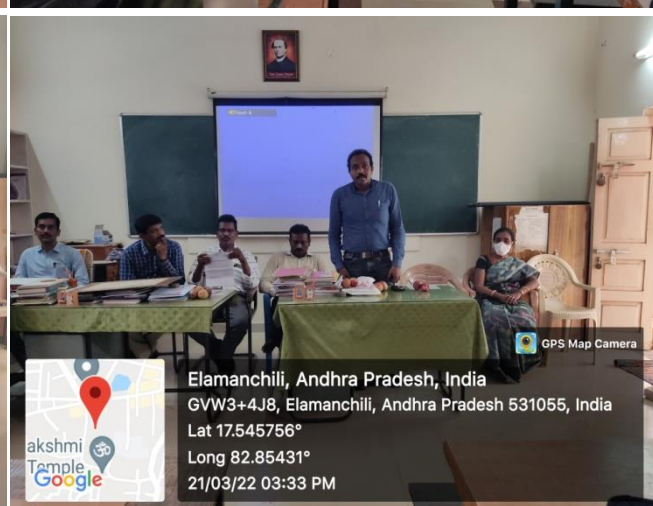
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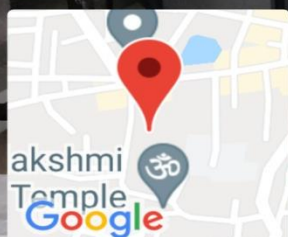
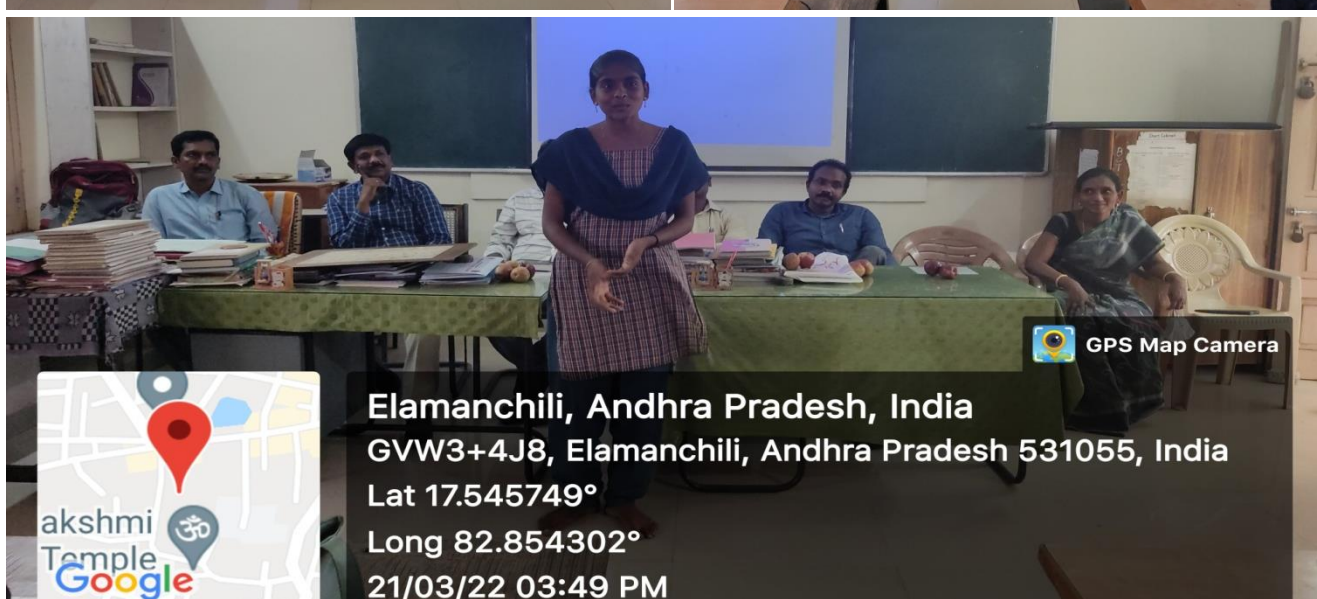
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Elamanchili, Andhra Pradesh, India
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Elamanchili, Andhra Pradesh, India
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Elamanchili, Andhra Pradesh, India
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All faculty participated in World Forest Day on 21-03-2022.



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Activity: Vanam-Manam (A Plantation Program)

Date: 04-04-2022



The faculty of Botany and Zoology Departments in Vanam-Manam program



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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

EVENT DETAILS:

Activity: World Earth Day

Date: 22-04-2022

Organiser: Dr. B. Chandramouli, Lecturer in Botany

Department: Botany

Guests invited: Sri P.S. Jaggarao, Lecturer in Physics

Dr. G. Vijaya Pratap, Lecturer in Zoology

Sri K. Venkanna, Lecturer in Physics

Students Participated: 28 (II CBZ)



The Dept. of Botany Organised World Earth Day on 22-4-2022



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YELLAMANCHILI - 531055, ANDHRA PRADESH



Department of Botany

Activity: World Biodiversity Day

Group: All Group Students

Date: 22-05-2022



The Department of Botany has organised **“World Biodiversity Day”** on 22-05-2022.



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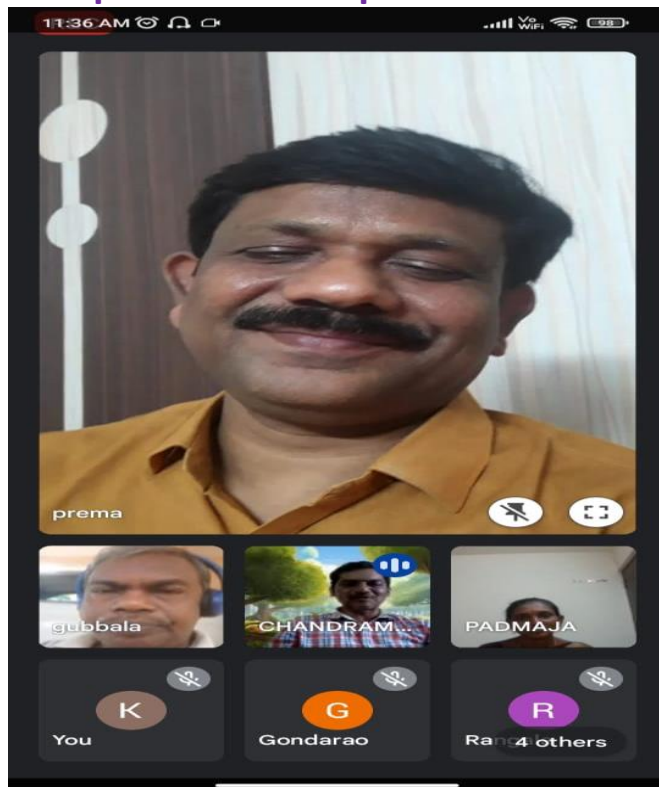


Department of Botany

Activity: World Environment Day (Online)

Group: All CBZ Group Students

Date: 05-06-2022



The Department of Botany has organised "World Environment Day" on 05-06-2022.



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YELLAMANCHILI - 531055, ANDHRA PRADESH



Department of Botany

Activity: World Ocean Day

Group: I CBZ

Date: 08-06-2022



The Department of Botany has organised “World Ocean Day” on 08-06-2022.



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YELLAMANCHILI - 531055, ANDHRA PRADESH



Department of Botany

Activity: Vanam – Manam : plantation program

Group: All CBZ & MPC Group Students

Date: 27-07-2022



**Dr. B. Chandramouli, Lecturer in Botany organised Vanam – Manam a
Plantation program on 27-07-2022.**



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YELLAMANCHILI - 531055, ANDHRA PRADESH



Department of Botany

Activity: World Nature Conservation Day

Group: All CBZ Group Students

Date: 28-07-2022



The Department of Botany organised World Nature Conservation Day on
28-07-2022.



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YELLAMANCHILI - 531055, ANDHRA PRADESH



Department of Botany

Activity: Banana Cultivation in the Garden.

Participant: Dr.B.Chandramouli, Lecturer in Botany cultivating Banana (Edible variety) in the Botanical Garden since 3 Years Date: 07-07-2022



Dr. B. Chandramouli, Lecturer in Botany has been cultivating Banana Edible Variety in the Botanical garden

GROWING MEDICINAL PLANTS IN THE BOTANICAL GARDEN



INSULIN PLANTS



The faculty of Botany department and students involved in the plantations and growing of medicinal plants in the Botanical garden

Cheliocostus speciosus



- Anti-microbial
- Anti-inflammatory
- Antioxidant
- Anti cancerous
- Cures constipation, Diarrhoea, Leprosy
- Cures skin diseases

Aloe vera



- Treats skin injuries
- Cures digestive problems
- Reduces arthritic swellings
- Anti-microbial
- Anti-inflammatory
- Heals Psoriasis Lesions
- Anti cancerous
- Lung congestion

Plectranthus ambonicus



- Anti-microbial
- Anti-inflammatory
- Antioxidant
- Wound healing
- Analgesic
- Antiepileptic
- Cures cardiovascular, respiratory, urinary and skin disorders

Rauvolfia tetraphylla



- Lowers Blood pressure
- Remedy for snake bites
- Anti Diabetic
- Cures Piles, Malaria, Insomnia
- Wound healing
- Skin diseases
- Mental disorders
- Cures cough and fevers

Ocimum sanctum



- Anti-microbial
- Antifungal, Antimalarial
- Anti-inflammatory
- Antioxidant
- Anti cataract
- Chemo preventive
- Hepatoprotective
- Radioprotective

Ocimum basilicum



- Cardiovascular disorders
- Antidiabetic
- Menstrual cramps
- Antimicrobial
- Antioxidant
- Anti cancerous
- Larvicidal

Withania somnifera



- Reduces stress and anxiety
- Enhances cognitive function
- Boosts energy levels
- Regulates blood sugar levels
- Lowers BP
- Improve cardiac health
- Supports immunity

Justicia adhatoda



- Anti-bacterial
- Anti-fungal
- Antiasthmatic
- Anti inflammatory
- Anti ulcer
- Anti Alzheimer
- Hepatoprotective

Catharanthus roseus



- Anti cancerous
- Antidiabetic
- Cures septic wounds, fever
- Cures Menorrhagia
- Cures blood dysentery
- Skin diseases
- Cures sour throat, tooth ache

Datura metal



- Worm infestation
- Anti-inflammatory
- Cures stomach and Intestinal pain
- Cures fever
- skin disorders
- Hallucinogenic
- cures joint pains, Back aches

Cissus quadrangularis



- Antidiabetic
- Antiosteoporosis
- Bone fractures
- Reduces high cholesterol
- Cures menstrual disorders
- Cures Obesity, Asthma, Malaria
- Cures skin diseases, stomach upsets

Murraya koenigii



- Reduce risk of cancer and heart diseases
- Help in management of Diabetes
- Powerful Antioxidant
- stomach ailments
- Analgesic
- Neuroprotective
- Cures Stress

Jatropha curcas



- Antidysentric
- Antimicrobial
- Cures Diarrhoea
- Cures skin diseases
- Anticancerous
- Anti inflammatory
- Antioxidant
- Used as Biodiesel plant

Lavendula angustifolia



- Cures Headache
- Used for Nervous disorders
- Cures skin diseases (Eczema)
- Cures joint and muscle pains
- Treat fungal infections

Piper longum



- Chronic bronchitis
- Antiasthmatic
- Cure chronic malaria
- Cures constipation, Diarrhoea
- Viral Hepatitis
- Stomach ache
- Antitumour
- Cures respiratory diseases

Centella asiatica



- Treat Leprosy
- Cures Viscose Ulcers
- Cures skin diseases (Eczema, Psoriasis)
- Cures fever, Diarrhoea
- Cures female urinogenitry tract diseases
- Relief anxiety
- Improve cognition (Memory)

Andrographis paniculata



- Antioxidant
- Cures Cold and Diarrhoea
- Jaundice and fevers
- Cures cardiovascular diseases
- Antihelminthic
- Antidiabetic

Sauropus androgynous



- Used for weight loss
- Antioxidant
- Multi vitamins and minerals
- As vegetable dish
- Reduce fever
- Good medicine for coughs and soothing lungs

Bacopa moneri



- Memory Booster
- Anti epileptic
- Cures Nervous disorders
- Relief anxiety
- Anti inflammatory
- Used to treat hair loss

The Department of Botany is growing different medicinal plants, Ornamental plants, some rare species and three fruit yielding plants such as Banana, Sapota, Coconut trees.



Setting of Micro Irrigation system in the Botanical Garden

Micro Irrigation is a key to increase water use efficiency in Agriculture. It the system, by which the water is efficiently used (80-90%) to plants without wastage.



VRIKSHABANDHAN

Vrikshabandhan is a best practice undertaken by Department of Botany with an aim to bring awareness among students on environmental protection. It is a novel idea of tying rakhis to save trees. we plant several trees on various occasions. But it is more important to protect them and nurture them well. Through this initiative, we hope to create environmental consciousness in our students and nurture them with love for mother nature.



SGA Govt.Degree College, Yellamanchili

Department of Botany

Activity: Tagging of Plants in College campus Date: 23-09-2021



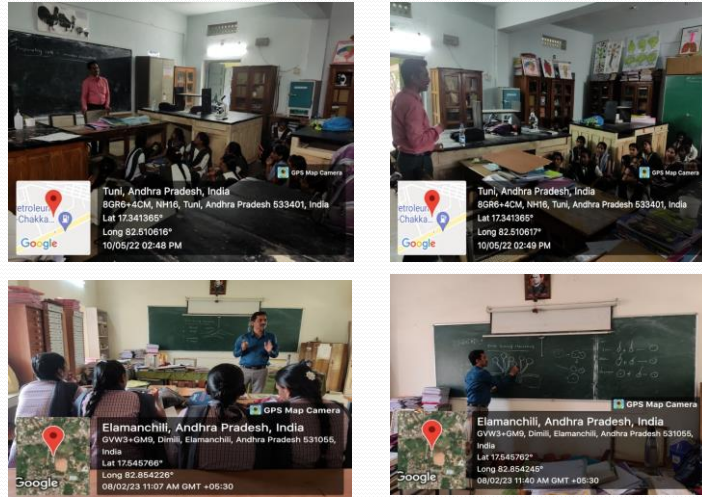
The faculty of Botany Department participated and guiding the students in Tagging of plants in the college campus



**EXTENSION ACTIVITIES
OF
BOTANY DEPARTMENT**

Extension activities

Extension Lecture at GDC, Tuni & Nakkapalli 10-05-2022 & 08-02-2023



Extension lecture & Resource person 22-01-2020



Donation to poor student



Blanket donation to old aged women



Acted as judge for science exhibition 29-11-2022



Ayurvedic medicines distribution 15-12-2021

Ayurvedic medicine distribution with collaboration of PHC & ZPHS 15-12-2021



**EXTENSION LECTURE
BY DEPT. OF BOTANY**



**Dr.B.Chandramouli, Lecturer in Botany
Delivered Extension Lecture on
"Ayurvedic Medicines"
at Govt. High School, Yelemanchili. on
"15.12.2021"**

Sri Ghantasala Jayanthi 04-12-2022

Dr. B. Chandramouli, Lecturer in Botany, HOD

Acted as a Judge for State level singing competitions on the occasion of Sri Ghantasala Birth day

Acted as judge for state singing competitions 04-12-2022





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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Social Service



Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service



Date : 13-02-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service



Date : 06-03-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service



Date : 13-03-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service

Date : 20-03-2022



Dr B. Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service

Date :27-03-2022



Dr B. Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service



Date : 03-04-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



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DEPARTMENT OF BOTANY

Social Service



Date : 10-04-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.

Best Practices



DEPARTMENT OF BOTANY

Social Service



Date : 01-05-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service



Date : 08-05-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service

Date :15-05-2022



Dr B. Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service

Date :03-07-2022

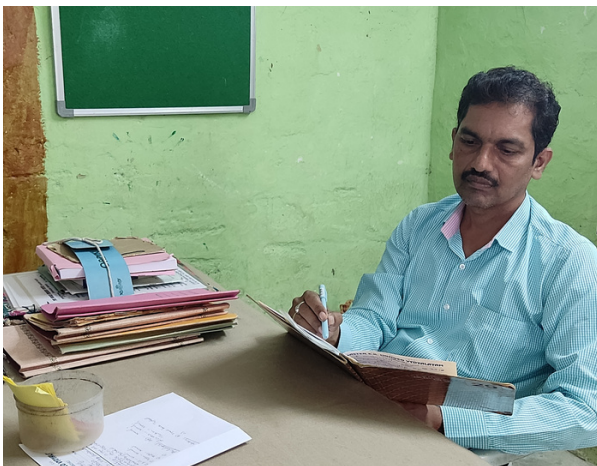


Dr B. Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service



Date : 17-07-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



S.G.A. GOVERNMENT DEGREE COLLEGE

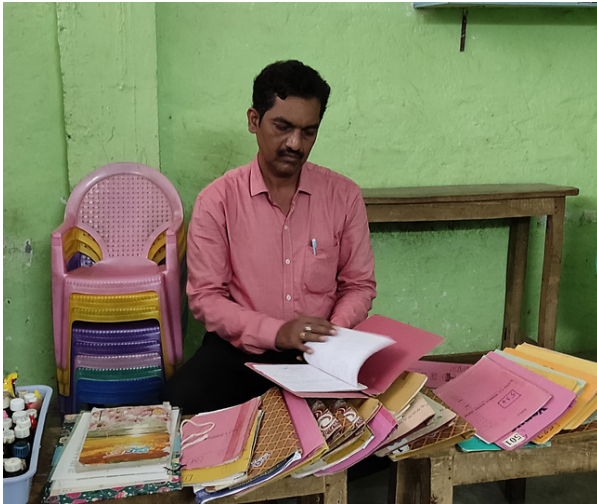
(Re-accredited by NAAC with 'A' Grade, Affiliated to Andhra University)

YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Social Service



Date : 24-07-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.

Best Practices



DEPARTMENT OF BOTANY

Social Service

Date : 28-08-2022



Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



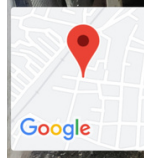
DEPARTMENT OF BOTANY

Social Service

Date : 04-09-2022



Elamanchili, Andhra Pradesh, India
HV24+324, Elamanchili, Andhra Pradesh 531055, India
Lat 17.550415°
Long 82.854757°
04/09/22 11:14 AM



Elamanchili, Andhra Pradesh, India
69-12-29, Master EK St, Military Colony, Yanadhr Colony, Elamanchili,
Andhra Pradesh 531055, India
Lat 17.548194°
Long 82.849422°
04/09/22 12:13 PM



Elamanchili, Andhra Pradesh, India
kamala Nilayam, Do. No.: 16-28-30, gandhi nagar station road,
Elamanchili, Andhra Pradesh 531055, India
Lat 17.551058°
Long 82.854642°
04/09/22 11:14 AM

Dr B. Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



S.G.A. GOVERNMENT DEGREE COLLEGE

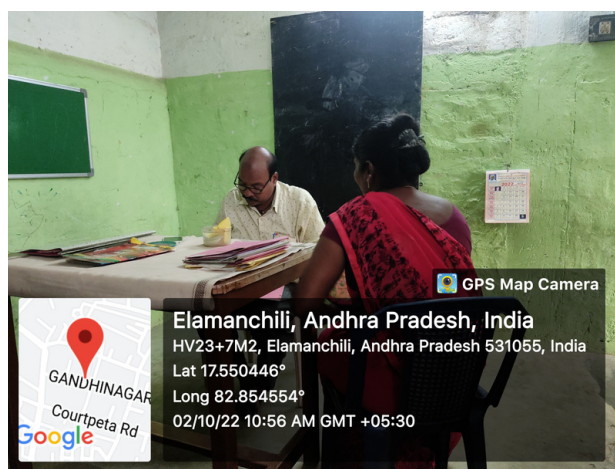
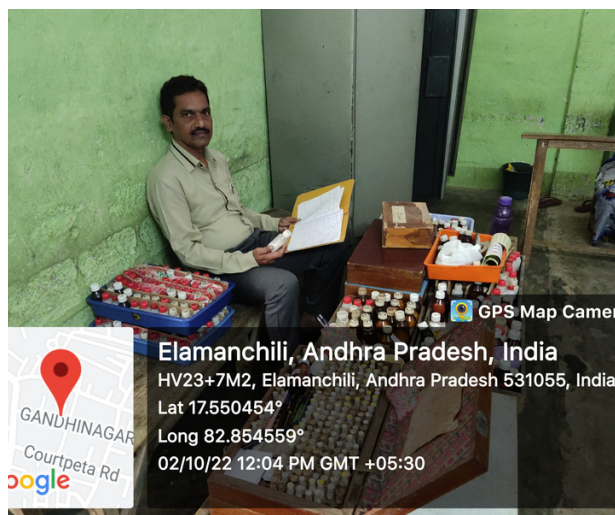
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YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Social Service



Date : 02-10-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.

Best Practices



DEPARTMENT OF BOTANY

Social Service



Date : 09-10-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



S.G.A. GOVERNMENT DEGREE COLLEGE

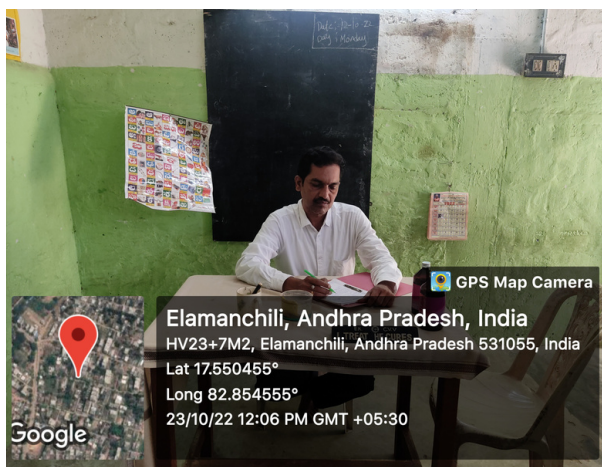
(Re-accredited by NAAC with 'A' Grade, Affiliated to Andhra University)

YELLAMANCHILI - 531055, ANDHRA PRADESH



DEPARTMENT OF BOTANY

Social Service



Date : 23-10-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.

Best Practices



DEPARTMENT OF BOTANY

Social Service



Date : 30-10-2022

Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service

Date :25-12-2022

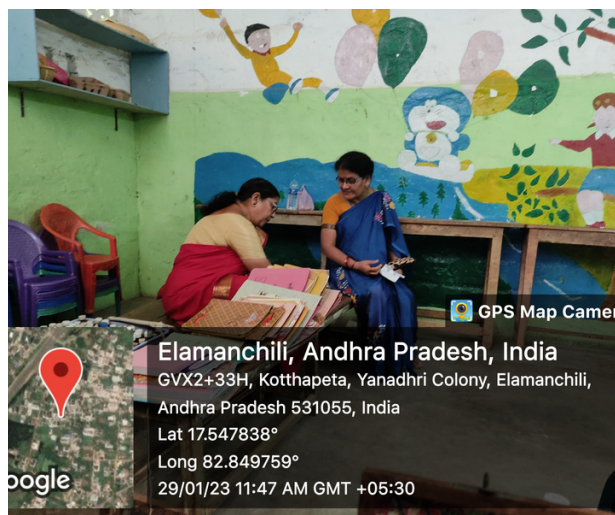
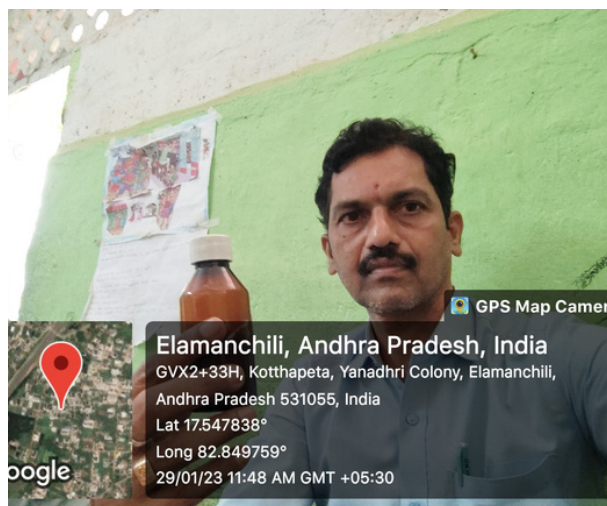


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DEPARTMENT OF BOTANY

Social Service



Date : 29-01-2023

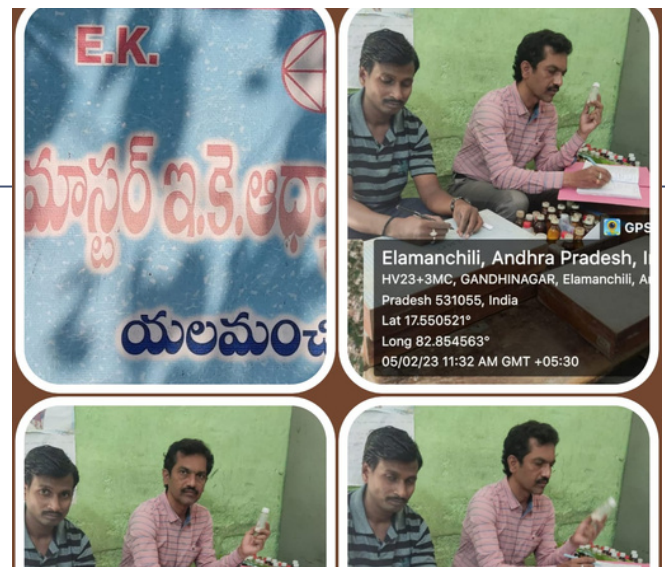
Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.



DEPARTMENT OF BOTANY

Social Service

Date : 05-02-2023



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DEPARTMENT OF BOTANY

Social Service

Date : 19-02-2023



Dr B.Chandramouli, Lecturer in Botany is used to go every Sunday to master's Homeopathy care, Yalamanchili to take case study of the patient and distribution of medicines.

SWOC analysis of the Department

S.No	Strengths	Weakness	Opportunities	Challenges
1	Full faculty	Lack of separate staff room	Scope for field based study	Construction of new class rooms and labs
2	Optimal student Teacher ratio	Lack of second laboratory	Study centre for competitive exams	Financial constrains in upgradation of Department
3	ICT mediated teaching	Insufficient laboratory space	-	-
4	Botanical garden	-	Growing of Medicinal plants	Development of Herbal garden

Future plans of the Department

- Development of Department Library
- Improvement of Department Infrastructure
- Growing of more medicinal plants in the Botanical garden
- Construction of Green House