



SRR & CVR GOVERNMENT DEGREE COLLEGE

(AUTONOMOUS)

ESTD:1987

VIJAYAWADA, NTR DIST., A.P

Institution is ranked by NIRF 101-150 band at NIRF 2020

WEBSITE: www.srrcvr.ac.in E-Mail: srrandcvr@gmail.com

NAAC 'A' GRADE WITH CGPA 3.03 (4th CYCLE)



5.1.3 The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities

- 1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology**

A.Y 2023-24

Awareness of trends in technology

Reports of Activities/Programmes



SRR & CVR GOVERNMENT DEGREE COLLEGE
(AUTONOMOUS)
VIJAYAWADA, NTR DIST., A.P
NAAC A GRADE(Cycle-4)



DEPARTMENT OF PHYSICS & ELECTRONICS

GUEST LECTURE

On

Indian Space Research and Rockets

GUEST: Sri YALLA SIVAPRASAD

Scientist, ISRO

DATE: 15.02.2024

REPORT

Department of Physics and Electronics, SRR & CVR Government Degree College, Vijayawada conducted an awareness program on space science for students by Sri Yalla Sivaprasad, Retired Scientist, ISRO. On this occasion, Dr. K. Bhagyalakshmi, Principal of the college said that rocket technology and satellite technology are very much needed in the current technological age and urged the students to also grow as good scientists in the future. The chief guest at the event was Sri Yalla Sivaprasad, who has been a scientist at the Vikram Sarabhai Space Center for over thirty years, saying that he was involved in the construction of ASLV, PSLV and GSLV rockets and explained how they work. Tumba Rocket Launch Center, Sriharikota Rocket Launch Center and the reasons for placing in those places were explained. The students were constantly asked questions and given pleasant answers by the Scientist. Subsequently, the faculty honoured Sri Yalla Sivaprasad with a shawl and presented him with a memento. The event was graced by the College Vice Principal and Head of the Department Mrs. P. Sailaja, and IQAC Coordinator Dr. J.Nageswara Rao spoke. The faculty members are Mrs. K. Nagmani, , Mrs. T.V.Vakula Priya, Mr. G.V.Gangadhara Rao, Mr. T. Deveder Reddy Smt. Sk.Jubeda and students participated.

Students acquired more knowledge on Rocket and space science.

PHOTOGRAPHS



INAUGURAL ADDRESS BY Dr. K.BHAGYALAKSHMI PRINCIPAL,

SRR & CVR GOVERNMENT DEGREE COLLEGE, VIJAYAWADA







Presentation of Sri Yalla Siva Prasad, Scientist (Retd.), ISRO

INTERACTION OF Sri YALLA SIVAPRASAD WITH STUDENTS



STAFF OF THE DEPARTMENT OF PHYSICS & ELECTRONICS WITH Sri YALLA SIVAPRASAD

PROFILE OF THE GUEST

🙏🙏🙏 Sir, I studied Mechanical Engineering subject in the Government Polytechnic, Kakinada, in the batch of **1978-1983** in the part-time.... After that I got opportunity to enter in to the Vikram Sarabhai Space Center VSSC, Indian Space Research Organization, ISRO, Department of Space (DOS), Government of India, Thiruvananthapuram, Kerala....Again I joined in the part-time course Mechanical Engineering Course B. Tech. in Kerala University, Thiruvananthapuram, Kerala.

I joined in VSSC in April, 1985 in Quality Control Division and responsible for the projects of RSR, ASLV, PSLV, GSLV-MK-2, GSLV-MK-3 and RLV.... I worked for these projects in are ares of :

1. Aero Space Raw Materials
2. Aero Space Fasteners..
3. Rocket Motor Fabrication
4. Light Alloys Structure Fab.
5. Launch Vehicle Auxiliary Systems...

Technical Contributions :

1. Quality and Control Inspection Activities
2. Mechanical Testing Activies.....
3. Bonded Store procedures
4. High Tech Welding Activies...
5. Radiography Testing Activies
6. Ultrasonic Testing Activities.

1. Quality and Control Inspection Activities
2. Mechanical Testing Activities.....
3. Bonded Store procedures
4. High Tech Welding Activities...
5. Radiography Testing Activities
6. Ultrasonic Testing Activities.
7. Die-Penetrant Testing Activities..
8. Pressure Testing Activities
9. Heat-Treatment Activities
10. Surface Treatment Activities....
11. Special Revetting Activities..
12. I trained in Level-2 courses in the areas of Radiography Testing, Ultrasonic Testing course officially in IGCAR / DAE, Kalpakam, Chennai and DRDL, Hyderabad respectively.

I retired as Scientist / Engineer-SE (Class-1, Gazetted Officer) in the month January, 2015.....This is my official profile....

There after September 2016 onwards, I am giving Seminars / Guest Lectures on the subject of the Space Science / Rocket Science Experiments, Efforts, and Achievements, in order to motivate / inspire the Students Community, because there is no Failures in Science. Till today I have been visited 107 Educational Institutions. This for your kind information please 🙏🙏🙏

Guest Lecture: - Insights from ISRO scientist

Date: 15 - Feb - 2024, ANI

Activity: Guest Lecture on
"Indian space Research and Rockets"

Description: Insights from a Visionary:
Engaging Q&A with Retd. ISRO Scientist
Sri. Siva Prasad

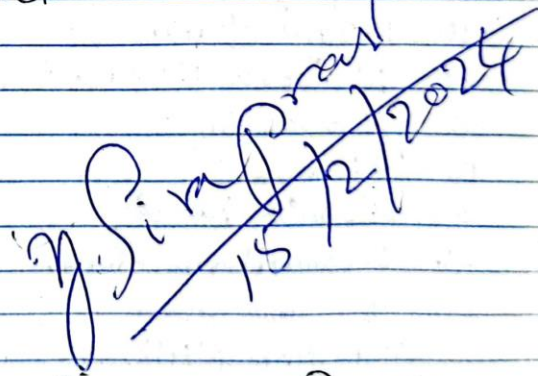
Duration: 2PM - 5:30 PM

Participants: Both students & Academic faculty

No. of Students Attended: 76

No. of Teaching Staff Attended: 09

Recognition: Awarding Pens by ISRO scientist
Y. Siva Prasad Sir to students who answered
questions posed by speaker.


15 Feb 2024

Sr. of the Resource
Person


Signature of the faculty

1) P. Jilani

2)

3) 

4) 

5) 

6) 

7) 

STUDENTS ATTENDANCE

132

Details of Attendees

15-2-2024

S.No	Name of the student	Group	Signature
1.	T. Durga prasad	II nd B.Sc [M.S.CS]	T. Durga prasad
2.	M. Venkata Narasimha Rao	II B.Sc [MPCS]	M. V. Narasimha Rao
3.	S. manoj kumar	"	S. manoj kumar
4.	A. Jayanth	II BSC (MPCS)	A. Jayanth
5.	V. Samuel	II BSc (MPCS)	V. Samuel
6.	J. seshubabu.	II BSc (MPCS)	J. seshubabu
7.	K. Lal Anith	II BSc (MECS)	K. Lal Anith
8.	K. ANIL KUMAR	II BSc (MECS)	K. Anil Kumar
9.	N. Manda Lakshma	II B.Sc MPCS	N. Manda Lakshma
10.	G. Sasi Ganth	II BSC MECS	G. Sasi Ganth
11.	P. Ameer Khan	II B.Sc MECS	P. Ameer Khan
11.	Sourabh.	II BSC MECS	Sourabh
12.	P. L. Manikanta	II BSC MECS	Manikanta
13.	Ch. Keethesh	I st BSc (Physics)	Ch. Keethesh
14.	D. Santosh kumar	I st BSc physics	D. Santosh Kumar
15.	A. Gangulu	I st BSc Electronics	A. Gangulu
16.	B. Ram charan	I st BSc electronics	B. Ramcharan
17.	N. Deva Prasad	3 rd BSC MR	N. Deva Prasad
18.	P. Siva Raju	II BSC (MECS)	P. Siva Raju
19.	R. Ram	I BSc (Comp)	R. Ram
20.	D. Rohith Kumar	"	D. Rohith Kumar
21.	J. Gowtham Surya	II BSC (MPCS)	J. Gowtham Surya
22.	E. Teemu Kumar	II BA (HFA)	E. Teemu Kumar
23.	K. Ashok NAIK	II BA (HFA)	K. Ashok NAIK
24.	B. Rathna Bhaskar	I BSC (MBA)	B. Rathna Bhaskar
25.	B. Kalpana	II BSC (MBA)	B. Kalpana
26.	K. Bhanu	II BSC (MBA)	K. Bhanu
27.	P. Shiny Raj	II BSC (MBA)	P. Shiny Raj
28.	M. Ananya	II BSC (MBA)	M. Ananya
29.	S. Priyanka	II BSC (MBA)	S. Priyanka
30.	H. M. Jyoti	II BSC (MBA)	H. M. Jyoti

31	N. Anila	B-sc (cs) 1 st yr	N. Anila
32	P. Indu	B.sc (cs) 1 st yr	P. Indu
33	Sk. Shaheena	Ind Bsc (mpc)	Sk. Shaheena
34	G. Bhavani	"	G. Bhavani
35	M. Bhagya Sri	"	M. Bhagya Sri
36	B. Sai Likhitha	"	B. Sai Likhitha
37	L. Kalyani	I st BSC (CS)	L. Kalyani
38	R. Neelima	II BSC (MPCS)	R. Neelima
39	Ch. Jyothi	I st BSC (MPCS)	Ch. Jyothi
40	Ch. Pravalika	"	Ch. Pravalika
41	G. Shakeena	"	G. Shakeena
42	J. Nirmla	"	J. Nirmla
43	P. Divyavagini	Ind BSC (DSCS)	P. Divyavagini
44	B. Arunanjani	"	B. Arunanjani
45	S. Nirmala	"	S. Nirmala
46	P. Praseey	"	P. Praseey
47	P. Sindhu	I st BSC (Maths)	P. Sindhu
48	M. Tahnavi	I st BSC (Maths)	M. Tahnavi
49			
50	Sk. Tamilumma	II BSC (MPCS)	Sk. Tamilumma
51	T. Yesomani	II BSC (MPCS)	Yesomani
52	Ch. Vinutha	II BSC (MPCS)	Vinutha
53	G. Teja Sree	II BSC (M.P.CS)	G. Teja Sree
54	S. Southi	II BSC (MPCS)	S. Southi
55	M. Lidiya	II BSC (MPCS)	M. Lidiya
56	L. Tejaswini	II BSC (MPCS)	L. Tejaswini
57	M. Vani	II BSC (MPCS)	M. Vani
58	Sk. Rehana Farhima	II BSC (MPCS)	Sk. Rehana
59	SK. Reshma	II BSC (MPCS)	Reshma
60	P. Prasanthi	II BSC (MPCS)	P. Prasanthi
61	A. Sai Naga Siva	I BSC (CS)	A. Sai Naga Siva

62.	P. Karya	I BSc (CS)	P. Karya
63.	R. Navya	I BSc (CS)	R. Navya
64.	P. Deepthi	I B.S.C (CS)	P. Deepthi
65.	J. Swathi	I B.S.C [CS]	J. Swathi
66.	D. Pavithra	I B.S.C [C.S]	D. Pavithra
67.	T. Veeraveni	I B.S.C (C.S)	T. Veeraveni
68.	P. Adithya	I B.S.C (C.S)	P. Adithya
69.	M. Venkateswulu	I B.S.C (BS)	M. Venkateswulu
70.	M. Div. Prasad	I B.S.C (C.S)	M. Div. Prasad
71.	T. Arya	I B.S.C (C.S)	T. Arya
72.	P.L.V. Pawan kalyan	I B.Sc (C.S)	P.L.V. Pawan kalyan
73.	M. Mahmadharao	I BSc (CS)	M. Mahmadharao
74.	S. Raghava	I st BSC (C.S)	S. Raghava
75.	Sk. Noori	I st B.S.C (CS)	Sk. Noori
76.	S. Yagnesh	I st B.S.C (CS)	S. Yagnesh

S.R.R & C.V.R. GDC (A) – Vijayawada
Dept. of Biochemistry
International webinar: Exploring Research trends in Chemistry
& Biochemistry on 29th Nov, 2023

Dept. of Chemistry organized an **International webinar: Exploring Research trends in Chemistry & Biochemistry** on 29th Nov, 2023 in blended mode. Nearly 400 participants from various colleges attended the program. **Dr. D. Ram Mohan Rao**, BARC Scientific officer, Guest scientist at KIT, Germany and **Prof. N. Surendra Babu**, Dept. of Chemistry, University of Dodoma, Tanzania, East Africa are invited as resource persons for this webinar. The program is co-ordinated by *Dr. Sd. Vazeeha Tahaseen*, dept. of Biochemistry and *Dr. Sk. Beebi*, dept. of Chemistry. Our beloved principal, *Dr. K. Bhagya Lakshmi*, In chagre of the Chemistry dept. *Dr. V. Srinivasa Rao*, Vice principal smt. *K. Sailaja*, IQAC co-ordinator *Dr. J. Nageswara Rao* and all the staff members of chemistry and bio-chemistry dept. attended the program.



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(Autonomous) Estd : 1937
Machavaram, VIJAYAWADA - 520 004. N.T.R. District, A.P
NAAC 'A' (Cycle-4), ISO 9001:2015 Certified & NIRF Ranked Institution



**INTERNATIONAL WEBINAR:
EXPLORING RESEARCH TRENDS IN
CHEMISTRY & BIOCHEMISTRY**

**Date & Time: 29th NOV,
1.00pm**
**Venue: Miniconference Hall
(Blended Mode)**



Dr. D. Ram Mohan Rao
BARC SCIENTIFIC OFFICER,
Guest scientist at KIT, Germany
**Speaker - 1 :
Chronicle of Nobel
awards**



Prof. N. Surendra Babu
Dept. of chemistry,
University of Dodoma, Tanzania,
East Africa
**Speaker - 2: Application of
Computational Quantum
Chemistry in Chemical and
Biochemical systems**



Dr. K. Bhagya Lakshmi,
Principal

ORGANISED BY DEPT. OF CHEMISTRY & BIO-CHEMISTRY

Co-ordinators :
Dr. Sd. Vaziha Tahaseen, Dept. of Biochemistry
Dr. Sk. Beebi, Dept. of Chemistry

Organising secretary:
Dr. V. Srinivasa Rao,
In-charge, Chemistry dept.

Event Title: Exploring Research Trends in Chemistry & Biochemistry

Date: 29th November 2023

Mode: Blended (In-person and Online)

Participants: Approximately 400

Event Overview:

On November 29, 2023, the Department of Chemistry hosted an international webinar titled "Exploring Research Trends in Chemistry & Biochemistry." The event was held in a blended format, accommodating both in-person and online participants. The webinar was designed to expose the contemporary research trends and applications in chemistry and biochemistry, providing a platform for academic enrichment and professional development.

Objectives

1. To present the latest research trends and breakthroughs in Chemistry and Biochemistry.
2. To explore the historical context of significant achievements in the field through Nobel Prizes.
3. To discuss the applications of advanced computational methods in modern chemical and biochemical research.
4. To create the scientific interest and temper towards research among students.



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Machavaram, VIJAYAWADA - 520 004. N.T.R. District, A.P

NAAC 'A' (Cycle-4), ISO 9001:2015 Certified & NIRF Ranked Institution

You are cordially invited

"International Webinar: Exploring Research Trends in Chemistry & Biochemistry"

29th NOV, 2023 at 1pm: Miniconference Hall / G-meet

About the Webinar

Registration link

<https://forms.gle/Q97zdpKsf5uUzmp8>

No Registration fee required

Registration link :



Google meet link :



(Find the link at extreme right bottom)

You tube link



will be provided in wats app group

The webinar aims to create scientific research interest among the students of UG & PG and empowering teachers with research findings.

The objective of the webinar is to provide a comprehensive and insightful exploration of significant events associated with the Nobel awards and take home messages for students. Further, it emphasises on approaches of computational quantum chemistry in chemical and biochemical systems include predicting electronic structures, determining molecular properties, studying biomolecular interactions, and aiding in drug design and optimization.



Dr. D. Ram Mohan Rao
Speaker - 1:
Chronicle of Nobel awards



Prof. N. Surendra Babu
Speaker - 2:
Applications of
computational quantum
chemistry in chemical and
biochemical approaches

Principal : Dr. K. Bhagyalakshmi

IQAC Co-ordinator: Dr. J. Nageswara Rao

Organising Secretary: Dr. V. Srinivasa Rao

Co-ordinators of the program

Dr. Sd. Vaziha Tahaseen, Dept. of Biochem.

Dr. Sk. Beebi, Dept. of Chemistry

**Organised by Dept.
of Chemistry &
Biochemistry**

Wats app link

<https://chat.whatsapp.com/LIKZhcvHZtJCyqJGxvfyg1>

Participation certificate will be provided
to all the students and staff

Google meet Link

International Webinar : Exploring Research Trends in
Chemistry & Biochemistry - 29th Nov, 2023

Wednesday, November 29 · 12:30 – 5:00pm

Time zone: Asia/Kolkata

Google Meet joining info

Video call link: <https://meet.google.com/oim-wpsh-ida>



Inauguration of webinar Brochure by RJD Dr. Krishna & Principal - Dr. K. Bhagyalakshmi along with dept. Of chemistry and Biochemistry faculty

29న ఎస్సార్ కళాశాలలో కార్యశాల

మాచవరం, న్యూస్టుడే : స్థానిక ఎస్సార్ అండ్ సీవీఆర్ ప్రభుత్వ డిగ్రీ కళాశాల రసాయనశాస్త్రం, జీవరసాయన శాస్త్రం విభాగాల ఆధ్వర్యంలో ఈ నెల 29న 'ఎక్స్‌ప్లోరింగ్ రీసెర్చ్ ట్రెండ్స్ ఇన్ కెమిస్ట్రీ అండ్ బయో కెమిస్ట్రీ' అనే అంశంపై అంతర్జాతీయ కార్యశాల నిర్వహిస్తామని ప్రెస్‌నిస్‌పల్ కె. భాగ్యలక్ష్మి తెలిపారు. శుక్రవారం కళాశాలలో దీనికి సంబంధించిన గోడపత్రికను ఆర్జేడీ డాక్టర్ కృష్ణ ముఖ్యఅతిథిగా పాల్గొని ఆవిష్కరించారు. కార్యక్రమంలో పలువురు అధ్యాపకులు పాల్గొన్నారు.

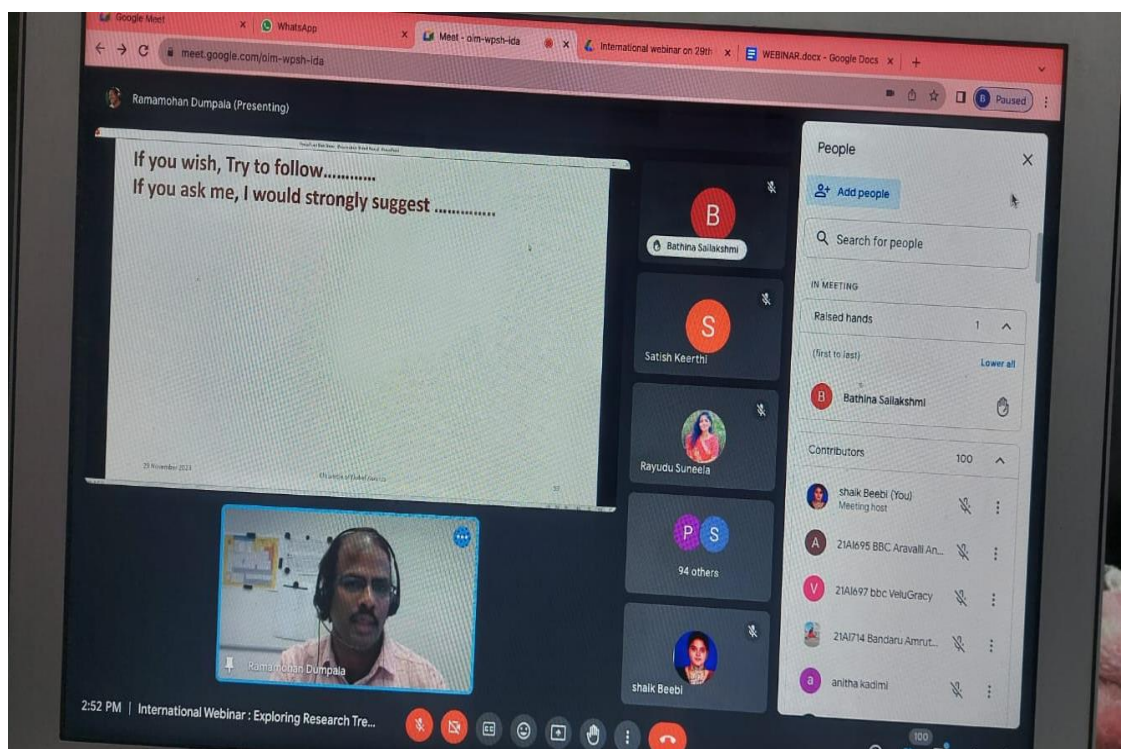
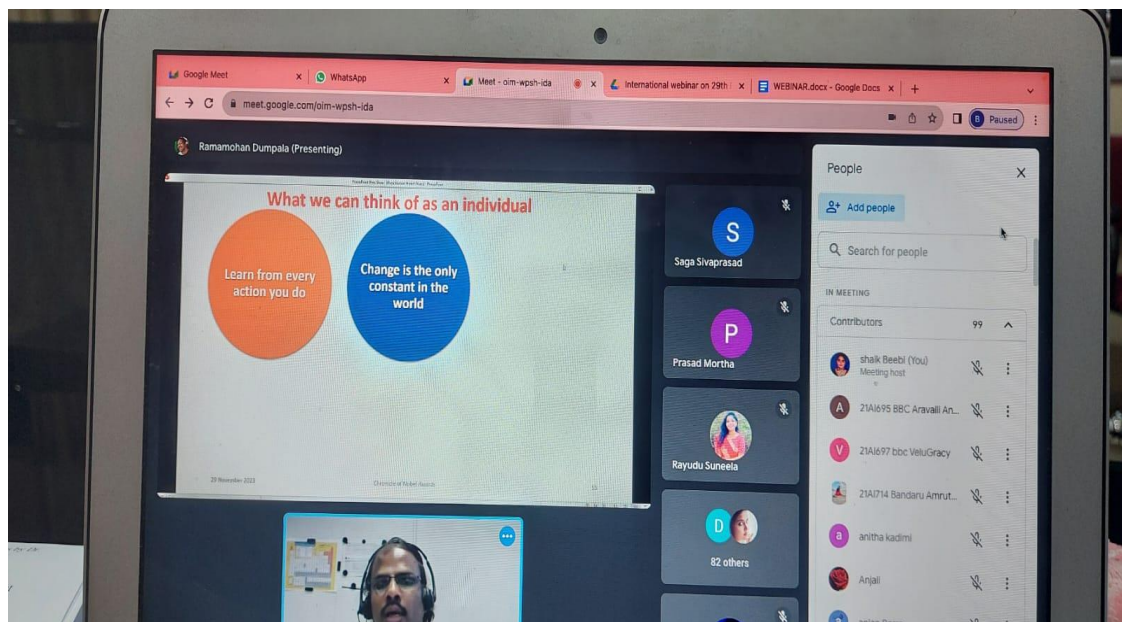
1. Opening and Welcome Address:

- **Opening address** is given by the program co-ordinator, *Dr. Sd. Vazeeha Tahaseen*, Lect. in Biochemistry. She highlighted the importance of this program in the present day world. The event commenced with a welcome address by *Dr. Sk. Beebi*, Lecturer in Chemistry, who provided an overview of the webinar's objectives and introduced the distinguished speakers. The importance of integrating both historical and contemporary research perspectives in chemistry and biochemistry was emphasized.

2. Session 1: Chronicle of Nobel Awards

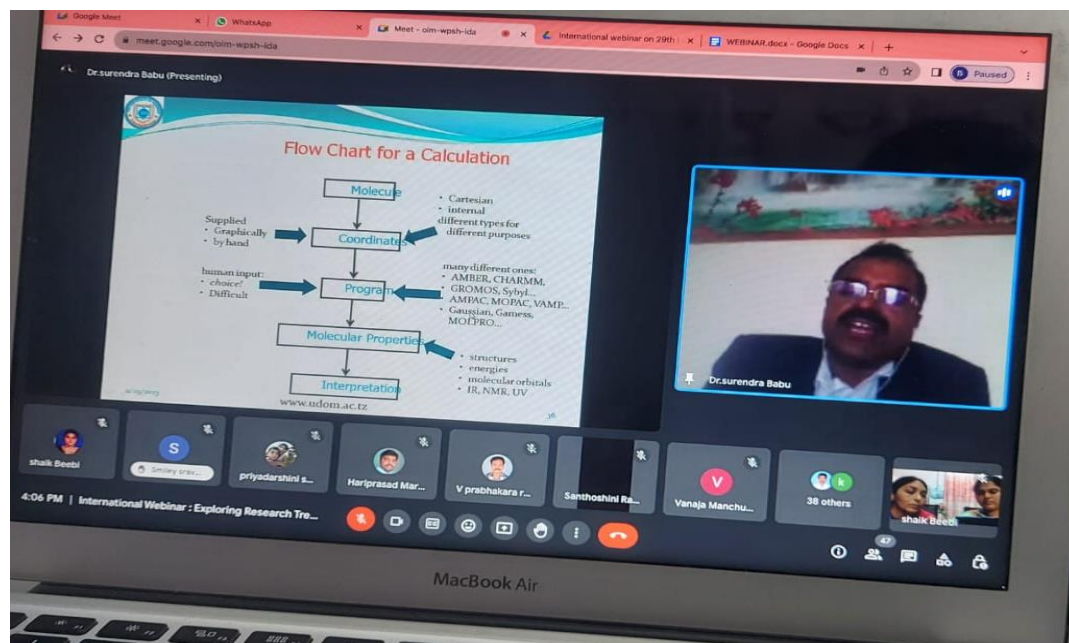
- **Speaker:** *Dr. D. Ram Mohan Rao*, BARC Scientific officer, Guest scientist at KIT, Germany **Time:** 1.30 – 2.30 pm
- **Summary:** Dr. D. Ram Mohan Rao, invited by *Dr. S. Priyadarsini*, Lecturer in chemistry, delivered an engaging presentation on the Nobel Prizes in Chemistry. His talk covered:
 - **Historical Context:** A detailed examination of the origins and evolution of the Nobel Prizes, including their impact on the field of chemistry.

- Notable Laureates: Insightful profiles of key Nobel Laureates, their groundbreaking discoveries, and how these have shaped the field.
- Influence on Research Trends: Discussion on how Nobel-winning research has influenced current trends and future directions in chemistry.
- Q&A Session: Dr. Rao addressed questions from the audience, providing deeper insights into specific topics of interest.
- **Dr. M. Malyadri**, Lect. in Chemistry has conveyed Vote of thanks and appreciation words to the speaker.



3. Session 2: Applications of Computational Quantum Chemistry in Chemical and Biochemical Systems

- **Speaker:** *Prof. N. Surendra Babu*, Dept. of Chemistry, University of Dodoma, Tanzania, East Africa
- **Time:** 2.45 – 3.45pm
- **Summary:** Prof. N. Surendra Babu presented a detailed talk on the applications of computational quantum chemistry. *Dr. K. Anuradha*, Dept. of Food science and technology has introduced and invited the speaker. The session included:
 - Fundamentals of Computational Quantum Chemistry: An introduction to the theoretical principles and computational techniques used in quantum chemistry.
 - Applications: Real-world examples of how these computational methods are applied to solve complex problems in chemical and biochemical systems.
 - Recent Advancements: Exploration of recent advancements in computational methods and their impact on research and industry.
 - Case Studies: Presentation of specific case studies where computational quantum chemistry has led to significant findings or breakthroughs.
 - Q&A Session: Prof. Babu responded to participant queries, further elaborating on practical applications and future potential.
 - *Dr. N. L. Janaki*, Lect. in Chemistry has conveyed a vote of thanks and appreciation remarks to the speaker.



4. Closing Remarks:

- **Time:** 4.30 pm
- **Speaker:** *Dr. P. Sailaja, Lecturer in chemistry, S.R.R. & C.V.R. GDC (A).*
- **Summary:** The event concluded with closing remarks by Dr. P. Sailaja, who summarized the key takeaways from the sessions, thanked the speakers and participants, and provided information on upcoming events and initiatives within the department. *Dr. K. Bhagyalakshmi, principal* congratulated the dept. of Biochemistry and Chemistry for organizing the international seminar.
- *Sri. K.V.S. Prasad*, Lect. in Chemistry, *Dr. P. Nallaappa Reddy*, Lect. in Chemistry and *Smt. E Sarojini Devi*, Lect. in Biochemistry, *Smt. D. Jyothi* Lect. in chemistry extended their cooperation in monitoring the discipline and assembling the students throughout the seminar.
- Special thanks to the Dept. of Computer science, especially to *Dr. D. Sarvani* and *Dr. J. Sarada lakshmi* lect. in computer science for extending the technical support in collecting

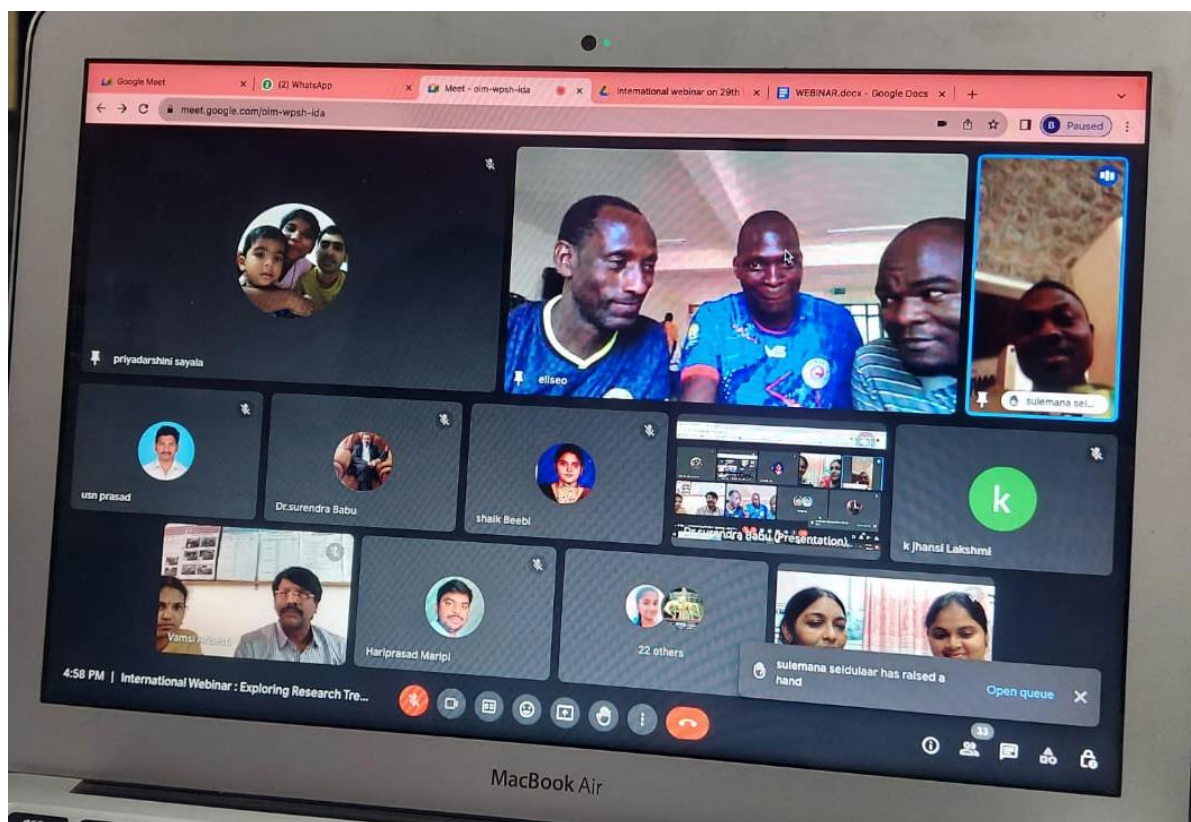
the feedback and providing the e-certificates to all the participants.



Participant Engagement and Feedback

The webinar was highly interactive, with numerous participants engaging in discussions from various states of India and South Africa during the Q&A sessions. Feedback collected from participants highlighted the following points:

- **Content Quality:** High appreciation for the depth and relevance of the topics covered by both speakers.
- **Delivery:** Positive feedback on the clarity and comprehensibility of the presentations.
- **Format:** The blended mode was well-received, allowing flexibility and accessibility for a diverse audience.
- As the 1st session speaker uses Telugu (local language) along with English language to grab the attention of the students, some of the participants from other states and south africa, expressed their opinion to use only international language to deliver the lecture as their feedback. This feedback is well received and we consider their feedback in our future programs.



Conclusion

The "Exploring Research Trends in Chemistry & Biochemistry" webinar effectively achieved its objectives by providing valuable insights into historical and contemporary research. The sessions offered a comprehensive understanding of significant achievements and advanced methodologies in the field. The successful execution of the blended format allowed broad participation, fostering academic dialogue and professional development.

Background work and Correspondence of the webinar:



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INTERNATIONAL WEBINAR : EXPLORING RESEARCH TRENDS IN CHEMISTRY & BIOCHEMISTRY on 29th Nov, 2023

PROGRAMME SCHEDULE

<p>INAUGURATION 1.00 PM to 1.30 PM</p> <p>Dr. K. Bhagya Lakshmi, Principal S.R.R. & C.V.R. GDC (A), Vijayawada</p>	<p>Inaugural Address</p>
<p>Session - 1 1.30 Pm To 2.30 Pm</p> <p>Speaker - 1 Dr. D. Ram Mohan Rao BARC Scientific Officer, Guest Scientist At Kit, Germany</p>	<p>Technical session - 1 On The Chronicle of Nobel Awards</p>
<p>2.30 PM TO 2.40 PM</p>	<p>Interactive session</p>
<p>Session - 2 2.45 PM to 3.45 PM</p> <p>Speaker - 2 Prof. N. Surendra Babu, Dept. of Chemistry University of Dodoma, Tanzania, East Africa</p>	<p>Technical session - 2 On Applications of Computational Quantum Chemistry in Chemical and Biochemical Approaches</p>
<p>3.45 PM TO 4.00 PM</p>	<p>Interactive session</p>
<p>4.00 PM to 4.15 PM</p>	<p>Valedictory Session</p>

Program Schedule

S.R.R. & C.V.R. GDC (A), Vijayawada

International Webinar : on 29th Nov, 2023

Exploring Research trends in Chemistry and Biochemistry

Programme sheet

Welcoming address	Dr. Sd. Vaziha Tahaseen, Dept. of Biochemistry
Keynote address of the webinar	Dr. Sk. Beebi, Dept. of Chemistry
Inaugural address by Principal	Dr. K. Bhagya Lakshmi, Principal S.R.R. & C.V.R. GDC (A), Vijayawada
Introductory words by IQAC Coordinator	Dr. J. Nageswara Rao, IQAC coordinator
Introducing Resource Person -1 Dr. D Rama Mohan Rao The Chronicle of Nobel Awards	Dr. S. Priyadarsini, Dept. of Chemistry
Interactive Session	
Remarks	Dr. M. Malyadri, Dept. of Chemistry
Introducing Resource Person-2 Prof. N. Surendra Babu Applications of Computational Quantum Chemistry in Chemical and Biochemical Approaches	Dr. K. Anuradha, Dept. of Biochemistry
Interactive Session	
Remarks	Dr. N. Lakshmi Janaki, Dept. of Chemistry

Closing session	Dr. G. Sailaja, Dept. of Chemistry
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Keynote address

Esteemed teachers and my dear students,

Welcome to this distinguished webinar, where we embark on a journey through the Chronicle of Nobel Awards and the transformative applications of Computational Quantum Chemistry in Chemical and Biochemical Approaches. The Nobel Prizes stand as pillars of human achievement, honoring those who have shaped our understanding of the universe.

Today, we focus on the fusion of quantum mechanics and computation, exploring how Computational Quantum Chemistry is revolutionizing our approach to molecular structures, chemical reactions, and biochemical processes. From drug discovery to materials science, this field holds the key to groundbreaking innovations.

The webinar aims to create scientific research interest among the students of UG & PG and empower teachers with research findings.

The objective of the webinar is to provide a comprehensive and insightful exploration of significant events associated with the Nobel awards and take home messages for students. Further, it emphasizes on approaches of computational quantum chemistry in chemical and biochemical systems including predicting electronic structures, determining molecular properties, studying biomolecular interactions, and aiding in drug design and optimization.

As we navigate this rich tapestry of science, let us not only celebrate past laureates but also anticipate the collaborative future of Computational Quantum Chemistry. This webinar is a nexus of inspiration and knowledge exchange, propelling us forward in our collective pursuit of scientific excellence.

Thank you for joining us on this enlightening journey.



S.R.R. & C.V.R. GOVT. DEGREE COLLEGE

(Autonomous)

Estd : 1937



Machavaram, VIJAYAWADA - 520 004. N.T.R. District, A.P

NAAC 'A' (Cycle-4), ISO 9001:2015 Certified & NIRF Ranked Institution

Cell: 9848251236, © 0866-2430060, website: www.srrcvr.ac.in, E-mail: srrandcvr@gmail.com

Dr. K. Bhagya Lakshmi, M.Sc., M.Phil., Ph.D.,

Principal

Date :

To,

Dr. D. Ram Mohan Rao,

BARC Scientific Officer,

Guest Scientist at KIT, Germany.

Sir,

Sub: Appeal to attend as a resource person to the International webinar - Request- Reg.

The Dept. of Chemistry and Biochemistry is pleased to inform you that an "International Webinar : Exploring Research Trends in Chemistry & Biochemistry" will be held on 29th November, 2023 at 12:30 noon in a Blended Mode, via Google Meet at Mini-Conference Hall, S.R.R. & C.V.R. GDC (A), Vijayawada, NTR dt. Andhra Pradesh, India. We are expecting you to grace our programme as one of the Resource persons and enlighten the participants with your presentation.

It would be our great pleasure to have you as a resource person.

Thank you sir.

M. Lakshmi
24-11-2023

Principal

PRINCIPAL

SRR & CVR GOVT. DEGREE COLLEGE

(Autonomous)

Machavaram, VIJAYAWADA-520 004



S.R.R. & C.V.R. GOVT. DEGREE COLLEGE

(Autonomous)

Estd : 1937



Machavaram, VIJAYAWADA - 520 004. N.T.R. District, A.P
NAAC 'A' (Cycle-4), ISO 9001:2015 Certified & NIRF Ranked Institution

Cell: 9848251236, 0866-2430060, website: www.srrcvr.ac.in, E-mail: srrandcvr@gmail.com

Dr. K. Bhagya Lakshmi, M.Sc., M.Phil., Ph.D.,
Principal

Date :

To
Prof.N. Surendra Babu,
Dept. of Chemistry,
University of Dodoma,
Tanzania, South africa.

Sir,

Sub: Appeal to attend as a resource person to the International webinar - Request- Reg.

The Dept. of Chemistry and Biochemistry is pleased to inform you that an "International webinar : Exploring research trends in Chemistry & Biochemistry" will be held on 29th November, 2023 at 12.30 noon in a blended mode, via Google meet at mini-conference hall, S.R.R. & C.V.R. GDC (A), Vijayawada, NTR dt. Andhra Pradesh, India. We are expecting you to grace our programme as one of the Resource persons and enlighten the participants with your words.

It would be our great pleasure to have you as a resource person.

Thank you sir.

[Handwritten Signature]
Principal
SRR & CVR GOVT. DEGREE COLLEGE
(Autonomus)
Machavaram, VIJAYAWADA-520 004

To,
Incharge,
Department of Computer Science
S.R.R & C.V.R GDC(A), Vijayawada

Respected Sir,

Sub: Request for technical assistance for conducting international webinar
on 29/11/2023.

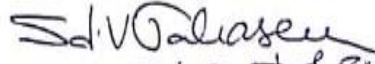
The Dept. of Chemistry and Biochemistry are going to organize an "International webinar : Exploring research trends in Chemistry & Biochemistry" on 29th November, 2023 at 12.30 noon in a blended mode, via Google meet at mini-conference hall, in our college. We request for your kind technical assistance for conducting the meeting, and live relay of the above event.

To,
Dr. Vijay Deep
Incharge
Dept. of Comp. Sci.

dl
24-11-2023

Thanking you


I/c Dept of Chemistry


I/c Dept of Biochemistry



International webinar: ERTCB 2023 S.R.R&C.V.R GDC

Group - 128 members

Voice chat

Add

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Add group description

Created by DI Boichem Vjw, 24/11/2023

Media, links, and docs



Notifications

Media visibility
Off



International Webinar: Exploring Research Trends in Chemistry & Biochemistry - 29th Nov, 2023

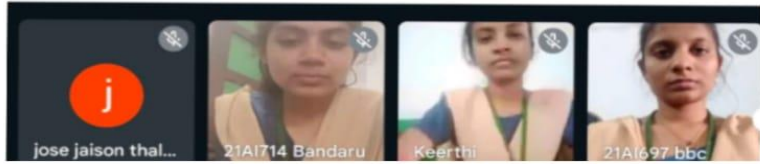
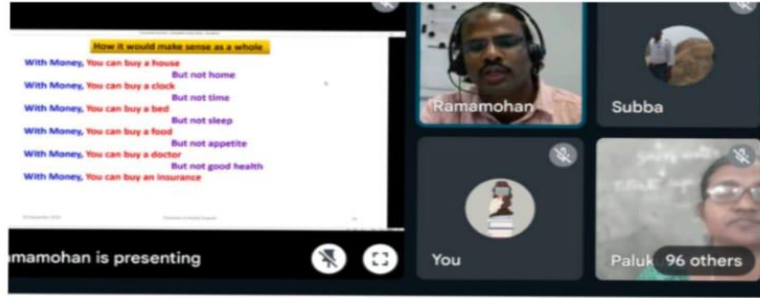
B I U  

No registration fee required.

Image title



Screenshot



Students from GDC, Vizag attending the webinar through online mode



 **GPS Map Camera**

Palakollu, Andhra Pradesh, India

GP7Q+923, behind ASNM Govt college, Surya Teja Nagar, Palakollu,
Andhra Pradesh 534260, India

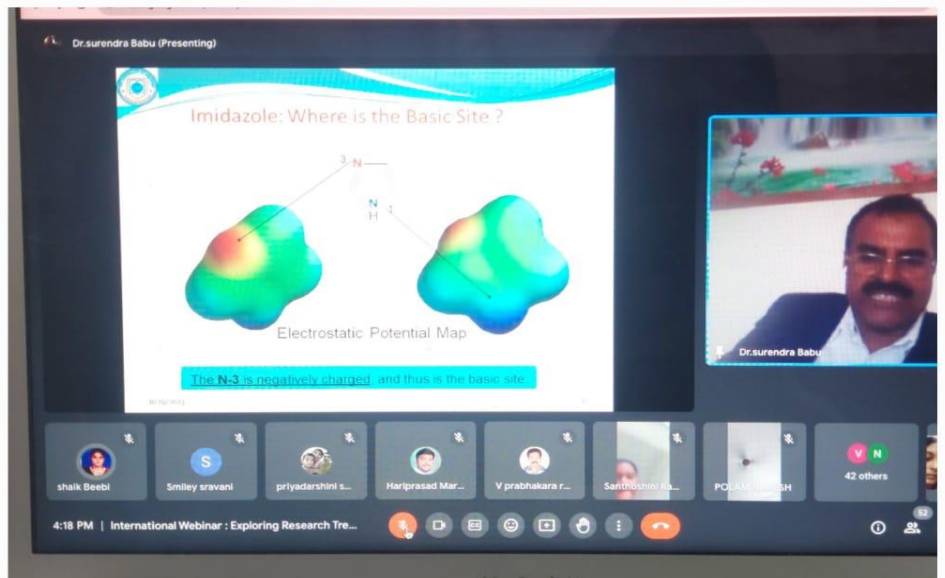
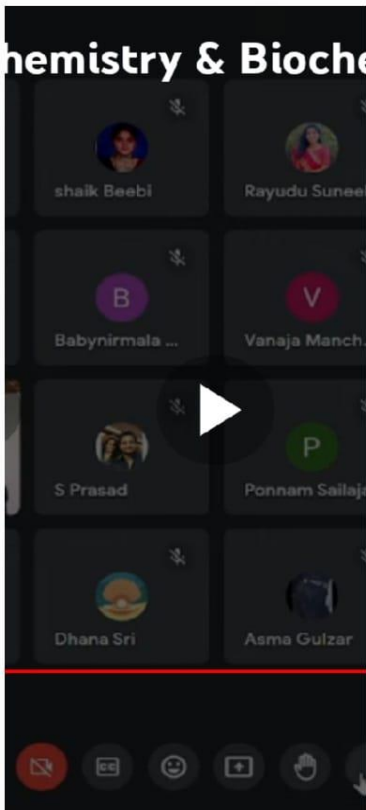
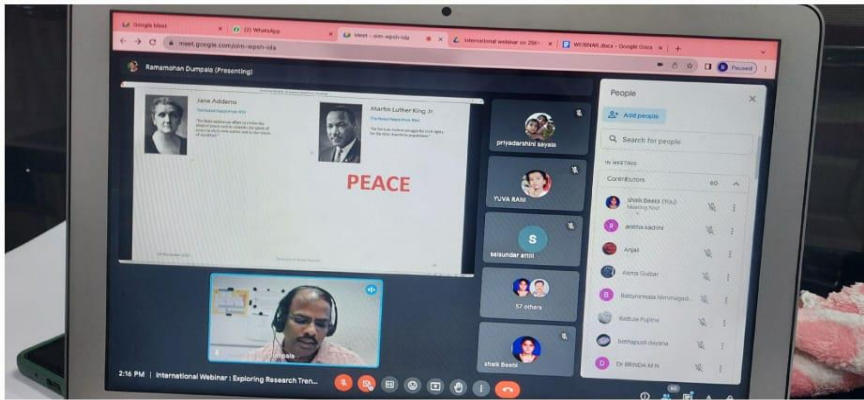
Lat 16.513547°

Long 81.737545°

29/11/23 02:15 PM GMT +05:30



Students from GDC Palakolle attending the webinar via online mode



ఎస్ఆర్ఆర్లో అంతర్జాతీయ వెబినార్

మధురానగర్(విజయవాడసెంట్రల్): మాచవరం ఎస్ఆర్ఆర్ అండ్ సీవీఆర్ ప్రభుత్వ డిగ్రీ కళాశాలలో బుధవారం కెమిస్ట్రీ విభాగం ఆధ్వర్యం వహించిన కెఐ టీ జర్మనీకి చెందిన డి.రామ్మోహన్ రావు ది క్రానికల్ ఆప్ నోబెల్ అవార్డ్స్ అనే అంశంపై చర్చించారు. ఈస్ట్ ఆఫ్రికా యూనివర్సిటీ ఆఫ్ డోడోమ ప్రొఫెసర్ సురేంద్రబాబు కంప్యూటేషనల్ క్వాంటం కెమిస్ట్రీ అనే అంశంపై చర్చించారు. ఎస్ఆర్ఆర్ అండ్ సీవీఆర్ ప్రభుత్వ డిగ్రీ కళాశాల ప్రిన్సిపాల్ డాక్టర్ కె.భాగ్యలక్ష్మి నోబుల్ లారెన్స్ పరిశోధనా దృక్పథం, వ్యాక్సిన్ ప్రిపరేషన్, డ్రగ్ డిజైనింగ్ లో కంప్యూటేషనల్ క్వాంటం కెమిస్ట్రీ ప్రాధాన్యతను వివరించారు. వెబినార్ లో 400 మంది అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.



November 30

T. Sunil Kumar

SK. Shancee Basha

SK. Rasool Sadiq

K. Sarinimar

Mr. Kishore

P. vijay kumar

Ch. Vijay

Ch. Gopi

A. Jaswathi

K. Vinay

Ge. Jashna

P. Kiran

V. Williamkery

G. Revanth Kumar

T. Ramprasad

Mallikarjuna Yasam (SK. sen)

K. vijay

G. Anil Kumar

T. Sunil

SK. Shancee Basha

SK. Rasool Sadiq

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Kishore

Vijay

Ch. Vijay

Ch. Gopi

A. Jaswathi

K. Vinay

Ge. Jashna

P. Kiran

V. Williamkery

G. Revanth Kumar

T. Ramprasad

Mallikarjuna Yasam

K. vijay

G. Anil Kumar

Name

Sing

G. Venkabalakshmi

Venkaba Lakshmi

S. Saanya

S. Saanya

M. Sujala Sri

M. Sujala Sri

M. Kirithi

M. Kirithi

L. Divya Sri

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K. Bharu

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R. Sai Uardhani

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K. Geetha

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M. Pujitha

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CH. Deepika

M. Manjula ch. Deepika

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M. Lalitha

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K. Naga Sriya

K. Naga Sriya

CH. Likitha

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P. Shinyraj

Shinyraj: P

M. Akasha

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M. Akasha

M. Akasha

B. Kapana

B. Kapana

P. Chandini

P. Chandini

I. Sirisha

I. Sirisha

B. Rohini


B. Rohini

P. P. 10

J. Indira

**DEPARTMENT OF BIOCHEMISTRY
INTERDEPARTMENTAL GUEST LECTURE**

Date: 10/11/2023

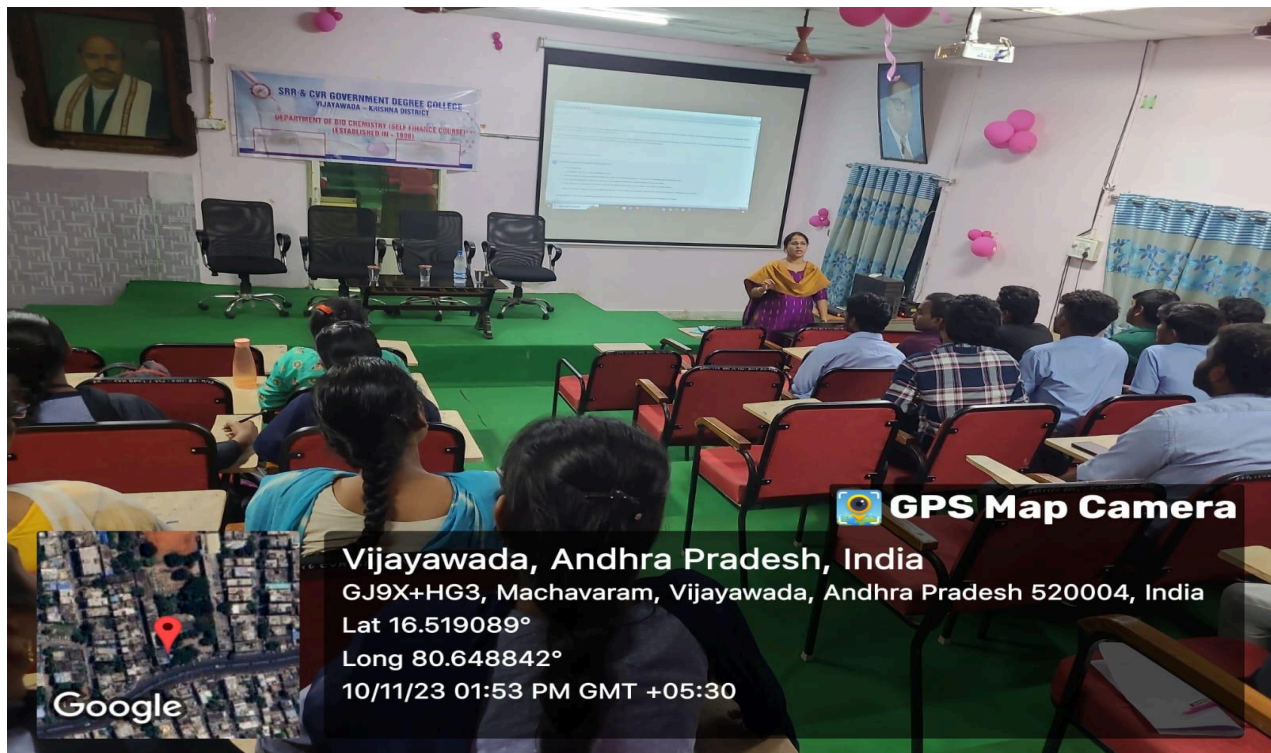



S.R.R & C.V.R Govt. Degree College , Vijayawada

DEPARTMENT OF BIOCHEMISTRY


INTERDEPARTMENTAL LECTURE
ON 2 MONTHS INTERNSHIP
DOCUMENTATION "MICROSOFT OFFICE"
On 10-11-2023 @ 1 pm
Venue: Mini conference Hall

Dr. Sarada Lakshmi
lecturer in Computer Science



GPS Map Camera

Vijayawada, Andhra Pradesh, India
GJ9X+HG3, Machavaram, Vijayawada, Andhra Pradesh 520004, India
Lat 16.519089°
Long 80.648842°
10/11/23 01:53 PM GMT +05:30



Report on guest lecture :

As part of the two-month internship on MS Office tools undertaken by B.Sc. students from the Biochemistry and Food Technology departments, a guest lecture was conducted by Dr. Sarada from the Department of Computer Science. The internship, held at the Career walk Computer Center in Vijayawada, aimed to enhance students' proficiency in various MS Office tools, such as Word, PowerPoint, Excel, and others. The guest lecture, lasting one hour, provided the students with valuable guidance on documenting what they learned during their internship.

Objectives of the Guest Lecture: The primary objectives of the guest lecture were to:

1. Guide the students on effectively documenting their learning outcomes from the internship.
2. Provide tips and techniques for creating professional documents, presentations, and data sheets using MS Office tools.
3. Help students understand how to showcase their skills and knowledge gained during the internship in a structured and comprehensive manner.

Overview of the Internship: The two-month internship conducted at the Career Qwalk Computer Center in Vijayawada offered students hands-on experience with various MS Office tools. The students learned how to use MS Word for documentation, MS PowerPoint for presentations, MS Excel for data analysis, and other Office tools such as MS Access and Outlook. This internship was designed to provide students with practical knowledge of MS Office, enhancing their technical and documentation skills.

Details of the Guest Lecture by Dr. Sarada: Dr. Sarada's guest lecture focused on helping students effectively document their two-month learning experience. She provided a structured approach to creating detailed reports that reflect their skills and understanding of the MS Office tools.

Topics Covered in the Guest Lecture:

1. **MS Word Documentation:** Dr. Sarada emphasized the importance of a well-organized and structured document. She discussed advanced formatting, use of styles, creation of tables and lists, and proper referencing. She also provided insights into how to create professional-looking documents that capture the essence of their internship experience.
2. **Summarizing Learning in MS PowerPoint:** She guided students on how to create a PowerPoint presentation summarizing their learning journey. She discussed key elements such as slide design, content organization, use of visuals and graphics, and effective storytelling to convey their experience and outcomes.
3. **Data Representation in MS Excel:** Dr. Sarada highlighted the importance of using MS Excel to present data and results obtained during the internship. She covered key features like data entry, formulas, functions, and data visualization tools like charts and graphs to effectively showcase the learning outcomes.

4. **Integration of MS Office Tools:** The lecture also focused on how to integrate various MS Office tools to create a comprehensive report that includes text, data, and presentations. She provided tips on maintaining consistency and coherence across different documents and tools.

Interactive Session: The session was highly interactive, with students sharing their internship experiences and challenges faced while working with MS Office tools. Dr. Sarada provided personalized feedback and solutions to their specific issues, making the session highly engaging and informative.

Feedback and Impact: The guest lecture was well-received by the students, who found Dr. Sarada's guidance extremely helpful in organizing and documenting their internship experience. Many students expressed that the lecture enhanced their confidence in using MS Office tools for documentation and presentation purposes. They felt better prepared to present their learning outcomes professionally and concisely.

Conclusion: The one-hour guest lecture by Dr. Sarada was a crucial part of the two-month MS Office internship program for B.Sc. students from the Biochemistry and Food Technology departments. Her guidance on documentation provided the students with the necessary skills to effectively present their internship experiences and achievements. The lecture helped bridge the gap between practical learning and its documentation, preparing the students for future academic and professional endeavors.

We would like to express our sincere gratitude to Dr. Syed Vaziha Thaseen, Head of the Department of Biochemistry, for organizing the interdepartmental guest lecture on MS Office documentation as part of the two-month internship program. Her initiative and efforts in coordinating this valuable session have greatly benefited the students of the Biochemistry and Food Technology departments, providing them with essential guidance on effectively documenting their learning outcomes.

We are also deeply thankful to our respected Principal, Dr. K. Bhagya Lakshmi, for her constant encouragement and support in facilitating such knowledge-sharing sessions.

We extend our heartfelt appreciation to Dr. Sarada from the Department of Computer Science for sharing her expertise and providing valuable insights into MS Office tools and documentation techniques. Her guidance during the session was immensely helpful and well-received by the students.

Finally, we acknowledge the efforts of all faculty members and students who participated and contributed to making this guest lecture a productive and enriching experience.



SRR & CVR GOVERNMENT DEGEREE COLLEGE VIJAYAWADA



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Affiliated to Krishna University, Machilipatnam
Internal Quality Assurance Cell*

Department of Statistics

Date(s)	16-02-2024 to 20-04-2024
Conducted through (DRC/JKC/ELF/NCC/NS S/Departments etc.	Department
Nature of activity (seminar/Workshop/Extn. Lecture/CIA activity, etc)	Certificate Course / Skill Development
Title of the Activity	Basic Statistics with 'R'
Name of the Department/Committee	Statistics
Details of Resource Persons(Name, Designation etc.,) if any	K. Ashok, HOD P. Ramesh, Lecturer
No of students Attended	20
Year and Class	I & II year BSc and BCom
Name of the Lecturers planned & conducted the activity	Department
Remarks	Duration: 40 Hrs

Report:

Certificate course in 'Basic Statistics with R' was conducted by the department of Statistics for the A.Y 2023-24 as per BOS-2023-24 for UG students from 16-02-2024 to 20-04-2024 under the guidance of IQAC. Training sessions on 'R' are conducted in Lab for a total of 40 hrs (30 hrs for training + 10 hrs for practice & assignments) by the faculty of the department K. Ashok and P. Ramesh.

At the end Examination was conducted in lab as per BOS. Course completion certificates were distributed to the students by the Principal madam, Dr. K. Bhagya Lakshmi and IQAC co-ordinator Dr. J. Nageswara Rao on the occasion of National Statistics Day 2024.

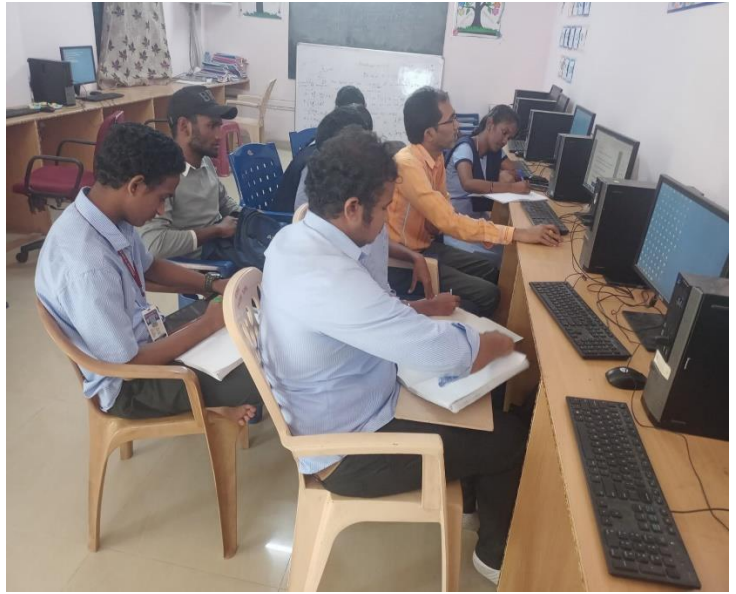
No. of students attended: 20

No of students registered for exam: 18

Out Comes:

- 1.All the Students enthusiastically attended and well-trained in analyzing the data using 'R'.
- 2.Trained and learned various tools and packages in 'R' to draw insights of a data.
3. Got the skill to use 'R' software for analyzing and visualizing the data







S.R.R. & C.V.R. GOVT. DEGREE COLLEGE (AUTONOMOUS) VIJAYAWADA-04
 NAAC 'A' (CYCLE-IV WITH CGPA:3.03) - ESTD:1937

FIRST YEAR SEM-H: MID-2 EXAMINATIONS: APR-2024

4/5/24 2-4 P

Name of the Subject:

Certificate Course

Date:

Time:

Name of the Programme:

B.Sc. Honours - DATA SCIENCE

Booklet starts with R

S.No	Regd. No.	Student Name	SL	Booklet No. (SR)	Marks Obtained	Sign of the Student
1	23367001	Adapa Devi Sri	TEL	1	50	A. Deviseet
2	23367002	Amara Naveena	TEL	2	47	A. Naveena
3	23367003	Dake Leela Ram Charan	TEL	3	47	D.L. Charan
4	23367004	Derasapu Durga Rao	TEL	4	47	D. Durga Rao
5	23367005	Gottapu Saikumar	TEL	5	50	G. Sai Kumar
6	23367006	Katthula Chandu	TEL	6	47	K. Chandu
7	23367007	Kola Ramu	TEL	7	47	K. Ramu
8	23367008	Kottu Sivalahari	TEL	8	47	K. Sivalahari
9	23367009	Mujje Veeranjanyulu	HIN	9	47	M. Veeranjanyulu
10	23367010	Ponnuri Pooja Sri	TEL	10	47	P. Pooja Sri
11	23367011	Samayamantula Revanth	TEL	11	47	S. Revanth
12	23367012	Samayamantula Rohit	TEL	12	50	S. Rohith
13	23367013	Teku Jogi Babu	TEL	13	47	T. Jogi Babu

14.	22307219	P. Siva Nagini	Eng	14	45	P. Siva Nagini
15	22307215	P. Deepthi	Eng	15	45	P. Deepthi
16	22307225	V. Sai Tejaswi	Eng	16	45	V. Sai Tejaswi
17	22206208	V. Varshini	Eng	17	45	V. Varshini
18.	22304214	M. Trivikram	Eng	18	42	Trivikram.M.

No. of Students Allotted: 18

No. of Students Present: 18

No. of Students Absent: 0

not Revised: 2

Name & Signature of the Invigilator

Name & Signature of the Examiner



**SRR & CVR GOVERNMENT DEGREE COLLEGE
VIJAYAWADA**



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Affiliated to Krishna University, Machilipatnam

Internal Quality Assurance Cell

Certificate

This is to certify that **A.Devi Sri** studying **I B.Sc Data Science** has
successfully completed the certificate course on " **Basic Statistics with 'R'** "
during the period **16-02-2024 to 20-04-2024** with Grade **A⁺** conducted by
DEPARTMENT OF STATISTICS.


Incharge
Dept of Statistics


IQAC- Coordinator


Principal

All Certificates:



R_cert_2023-24.pdf

Date: 05-02-2024

From

Lecturer In-Charge

Department of Statistics

SRR & CVR Government Degree College(A)

Vijayawada

To

The Principal

SRR & CVR Government Degree College(A)

Vijayawada

Respected Madam,

Sub: Certificate Course-Basic Statistics with 'R' – Permission to run the course
– Requesting – Regd.

Ref: Approval of proposal in BOS, AC and GB meetings 2023-24.

As per the reference cited above, the Department of Statistics is going to run the certificate course titled "Basics of Statistics with 'R' from 16-02-2024. Details of the course, schedule with teaching plan and list of willing students are attached. So, I request you to give permission to run the course during scheduled/zero hours in Computer Applications lab.

Thanking you madam.

Yours faithfully



(K.Ashok)

5.2.2024

SRR & CVR Government Degree College (A):Vijayawada
Department of Statistics**Certificate Course : Basic Statistics with R**

Duration : 40 Hours

Proposed Schedule & Teaching Plan 2023-24

S. No	Month & Week	Date(s)	Time	Topic	T	P/A	Methodology
1	Feb/2	16-02-24	3:30 to 5:30	Introduction to R - Basics	2		Lecture
2	Feb/3	22-02-24 23-02-24 24-02-24	3:30 to 5:30	Math & Vector operations with R	4	2	Lecture, Demonstration, Self-practice, Assignment1
3	Feb/4	29-02-24	3:30 to 5:30	Handling with Missing data in R Matrices with R	2		Lecture, Demonstration, Self-practice
4	Mar/1	07-03-24	3:30 to 5:30	Introduction to descriptive statistics Absolute, relative frequencies with R	2		Lecture, Demonstration, Self-practice
5	Mar/2	14-03-24 15-03-24 16-03-24	3:30 to 5:30	cumulative frequencies with R Arithmetic Mean with R	4	2	Lecture, Demonstration, Self-practice
6	Mar/3	21-03-24 22-03-24 23-03-24	3:30 to 5:30	Median, Mode, GM & HM with R	4	2	Lecture, Demonstration, Self-practice and Assignment2
7	Mar/4	28-03-24 30-03-24	3:30 to 5:30	Range, QD and Absolute Deviation with R	3	1	Lecture, Demonstration, Self-practice
8	Apr/1	04-04-24 06-04-24	3:30 to 5:30	SD and Variance with R Correlation and Application with R	3	1	Lecture, Demonstration, Self-practice & Assignment3
9	Apr/2	12-04-24	3:30 to 5:30	Graphs & Plots- Bar and Pie	2		Lecture, Demonstration, Self-practice

EG:
P
9

10	Apr/3	18-04-24 19-04-24 20-04-24	3:30 to 5:30	Box plots and Scatter plots Kernal density, stem leaf	4	2	Lecture, Demonstration, Self-practice & Assignment4
11	May/1	04-05-24	2 to 4	Final Exam		2	Exam
				Total Hrs	30	12	42

Course Instructors:

1. K. Ashok
2. P. Ramesh


Lecturer In-Charge

SRR & CVR Government Degree College (A):Vijayawada

Department of Statistics

Certificate Course : Basic Statistics with R

Duration : 40 Hours

Period of the course: Even Sem

Intake: 30

ABOUT THE COURSE:

Any data analysis is incomplete without statistics. After getting the data, any statistical analysis starts with descriptive statistics which aims to extract the information hidden inside the data. The tools of descriptive statistics are based on mathematical and statistical functions which are to be evaluated using the software. The statistical software are paid as well as free. Most of the statistical software are paid software. Popular free statistical software is R.

Objective of the Course: What are the basic tools of descriptive statistics and how to use the R software for descriptive statistical analysis is the objective of the course to be taught.

Learning Outcomes: After completion of the course, the learners are able apply various tools of 'R' software to analyze descriptive statistics and to derive insights of the data.

INTENDED AUDIENCE:

UG students of Science and Humanities with basic mathematical and statistical background.

COURSE LAYOUT:

- Unit 1:** Calculations with R Software: (8 Hrs)
Introduction, Basics, Data Vectors, Matrices, Handling missing data
- Unit 2:** Introduction to Descriptive Statistics, frequency distribution, (10 Hrs)
Central Tendency of Data:
Absolute frequencies, Relative frequencies, Cumulative frequency distribution, Mean, Median, Mode, GM and HM
- Unit 3:** Variation in Data and Bi-variate data and correlation analysis : (12 Hrs)
Range, Quartile deviation, Absolute Deviation, Standard deviation and variance
Correlation analysis of bi-variate data
- Unit 4:** Graphics and Plots: (10 Hrs)
Bar diagrams, Pie diagrams, kernel density, stem-leaf plots, Box plots, scatter plots.

References:

1. Software for Data Analysis: Programming with R (Statistics and Computing) by John M. Chambers (Spinger)
2. R reference card (PDF) by Tom Short (more can be found under Short Documents and Reference Cards here)
3. Quick-R: quick online reference for data input, basic statistics and plots

S. No	Name of the Student	Year	Class
1	A. Devi Sri	1 st	B. Sc (Data Science)
2	A. Naveena	1 st	B. Sc (Data Science)
3	D. Leela Ram Charan	1 st	B. Sc (Data Science)
4	D. Durga Rao	1 st	B. Sc (Data Science)
5	G. Sai Kumar	1 st	B. Sc (Data Science)
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18	V. Sai Tejaswi	2 nd	B. Sc (DSCS)
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S.R.R. & C.V.R. GOVT. DEGREE COLLEGE

(Autonomous)

Estd : 1937

Machavaram, VIJAYAWADA - 520 004. N.T.R. District, A.P

NAAC 'A' (Cycle-4), ISO 9001:2015 Certified & NIRF Ranked Institution



Report on the Certificate Course in Aquatic Science and Water Quality Analysis

Conducted by Department of Chemistry and Biochemistry
Academic year -2023-24, SEM-1

Course Title: Aquatic Science and Water Quality Analysis

Students Enrolled – From Dept. of Biochemistry, Chemistry, Botany, Horticulture and Aquaculture

Duration: 30 Hours

- **Lectures:** 14 Hours
- **Lab Work:** 10 Hours
- **Field Visit:** 6 Hours

Course Completion:

- **Total Participants:** 92 students from the Life Sciences department, including disciplines such as Botany, Horticulture, Aquaculture, Biochemistry, Microbiology, and Chemistry Honours, participated in and completed the course.
- **Assessment:** All students qualified in the final exam, demonstrating their understanding and proficiency in the topics covered.

Outcome:

The certificate course in Aquatic Science and Water Quality Analysis provided a comprehensive understanding of water quality assessment, equipping students with practical skills in water sampling, laboratory analysis, and real-world applications. The combination of lectures, lab work, and field visits ensured a well-rounded educational experience, preparing students to contribute effectively to the field of water quality analysis.

Syllabus

Duration-30h

Module 1: Introduction to Water Analysis (2 Hours)

- Importance of water analysis
- Types of water sources and their characteristics

Module 2: Water Sampling and Preservation (2 Hours)

- Various water conservation techniques

Module 3: Physical Parameters (4 Hours)

- Colour and odour assessment in water
- Turbidity analysis and its implications
- Temperature measurement and significance
- pH measurement and interpretation

Module 4: Chemical Parameters (6 Hours)

- Total dissolved solids (TDS)
- Determination of Hardness, Softening techniques
- Analysis of chloride (Mohr's method)
- Dissolved oxygen measurement and its importance

Module 5: Biological Parameters (8 Hours)

- Microbiological analysis: coliform bacteria, E. coli, etc.
- Biochemical Oxygen Demand (BOD) measurement
- Chemical Oxygen Demand (COD) analysis
- Algae and other indicators of water quality

Module 6: Quality Standards (2 Hours)

- National and international water quality standards
- Regulatory bodies and their role

Module 7: Field Work to Water Purification Plant (6 Hours)

- Water quality checking lab
- On-site water sampling exercises

Objectives of the Course:

The course objectives are to

- ❖ Understand the Importance of Water Analysis.
- ❖ Learn Water Sampling and Preservation Techniques.
- ❖ Analyze Physical and Chemical Parameters.
- ❖ Evaluate Biological Parameters.
- ❖ Understand Quality Standards.

Outcomes of the Course:

After completion of the course student can get

- Comprehensive Understanding of Water Analysis.
- Proficiency in Water Sampling and Preservation.
- Skill in Assessing Physical Parameters.
- Expertise in Analyzing Chemical Parameters.
- Capability in Evaluating Biological Parameters.
- Knowledge of Water Quality Standards.
- Hands-On Experience through Field Work.




STUDENT APPLICATIONS

S.R.R. & C.V.R. GDC (A), Vijayawada Application for Value Added/ Certificate Course

Course details

Name of the Department offering the course:	Chemistry & Biochemistry : Interdisciplinary
Name of the Course:	Aquatic Science & Water Quality Analysis
Month & Year of the course:	October - December, 2023
Skills to focus	Employability & Knowledge

Name of the Course:

Name of the student: K. Madhu.	
Name of the group and Semester	BSc Aquaculture I sem
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Contact. No.	8019163227
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Areas of interest for research/ Higher studies	
Consent from parent for filed visit	K. MADHULETA


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S.R.R. & C.V.R. GDC (A), Vijayawada
Application for Value Added/ Certificate Course

Course details

Name of the Department offering the course:	Chemistry & Biochemistry : Interdisciplinary
Name of the Course:	Aquatic Science & Water Quality Analysis
Month & Year of the course:	October - December, 2023
Skills to focus	Employability & Knowledge

Name of the Course:

Name of the student:	
MAHAMKALIGARI MAHENDRA	
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Areas of interest for research/ Higher studies	
Consent from parent for filed visit	M. Venkata subbair


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S.R.R. & C.V.R. GDC (A), Vijayawada
Application for Value Added/ Certificate Course

Course details

Name of the Department offering the course:	Chemistry & Biochemistry : Interdisciplinary
Name of the Course:	Aquatic Science & Water Quality Analysis
Month & Year of the course:	October - December, 2023
Skills to focus	Employability & Knowledge

Name of the Course:

Name of the student: M. Mamatha	
Name of the group and Semester	Aquaculture I sem
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Areas of interest for research/ Higher studies	
Consent from parent for filed visit	M. Madhu Shikarj.


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S.R.R. & C.V.R. GDC (A), Vijayawada
Application for Value Added/ Certificate Course

Course details

Name of the Department offering the course:	Chemistry & Biochemistry : Interdisciplinary
Name of the Course:	Aquatic Science & Water Quality Analysis
Month & Year of the course:	October - December, 2023
Skills to focus	Employability & Knowledge

Name of the Course:

Name of the student: P. Anjali Bai	
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Consent from parent for filed visit	P. Venkateshnaik


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S.R.R. & C.V.R. GDC (A), Vijayawada
Application for Value Added/ Certificate Course

Course details

Name of the Department offering the course:	Chemistry & Biochemistry : Interdisciplinary
Name of the Course:	Aquatic Science & Water Quality Analysis
Month & Year of the course:	October - December, 2023
Skills to focus	Employability & Knowledge

Name of the Course:

Name of the student: D. Uma Maheswari	
Name of the group and Semester	I Bsc Horticulture
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Regd. No.	
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Areas of interest for research/ Higher studies	
Consent from parent for filed visit	D. Uma


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S.R.R. & C.V.R. GDC (A), Vijayawada
Application for Value Added/ Certificate Course

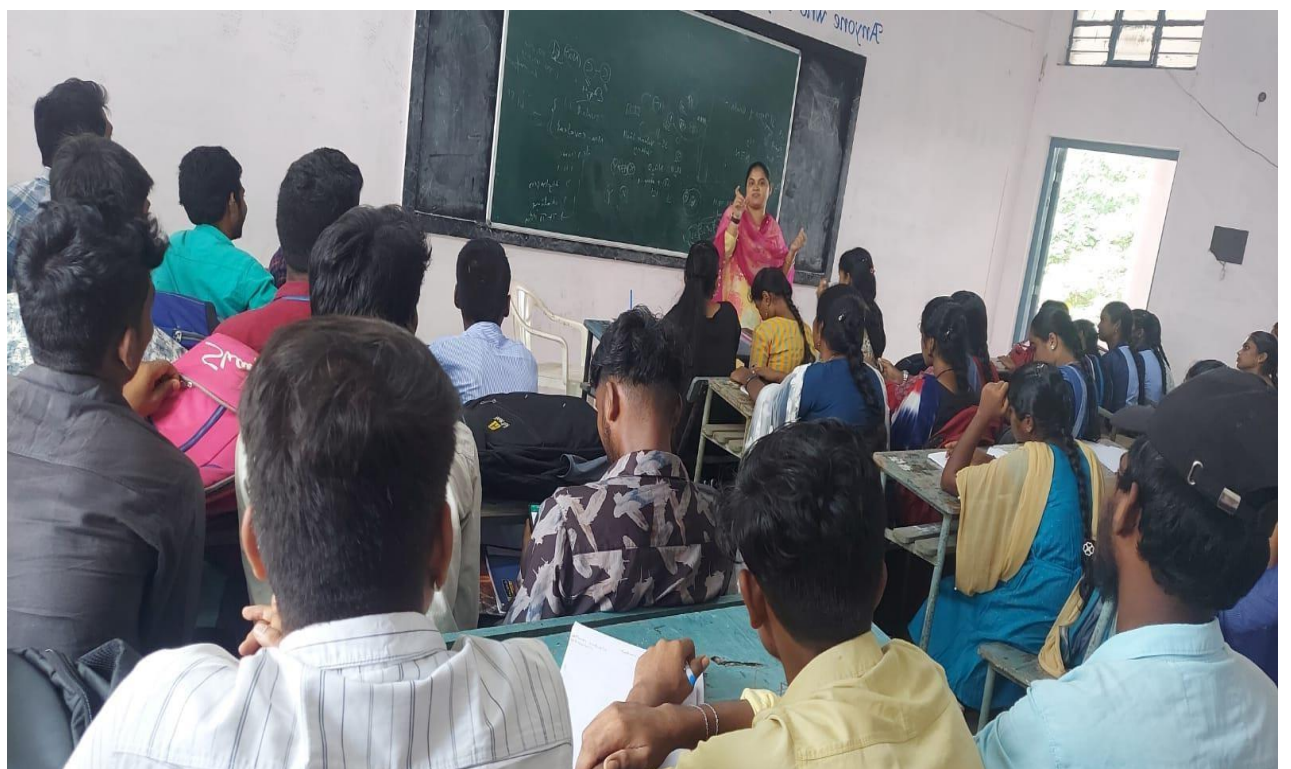
Course details

Name of the Department offering the course:	Chemistry & Biochemistry : Interdisciplinary
Name of the Course:	Aquatic Science & Water Quality Analysis
Month & Year of the course:	October - December, 2023
Skills to focus	Employability & Knowledge

Name of the Course:

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Areas of interest for research/ Higher studies	
Consent from parent for filed visit	P Narayana Rao

CLASSES CONDUCTED



PRACTICAL DEMONSTRATION ON HARDNESS OF WATER



WATER QUALITY ANALYSIS –BIOLOGICAL PARAMETERS



FIELD VISIT TO KL RAO WATER WORKS



ONLINE EXAM CONDUCTED USING GOOGLE FORM

***CERTIFICATE COURSE IN AQUATIC
SCIENCE-WATER QUALITY
ANALYSIS*** ORGANISED BY DEPARTMENT
OF CHEMISTRY & BIO-CHEMISTRY

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* Indicates required question

Email*

Your email

Name of the Student*

Your answer

Class*

Your answer

Hall Ticket Number*

Your answer

1. What does BOD stand for in environmental science? *

1 point

Bacterial Oxygen Decomposition
Biochemical Oxygen Distribution
Basic Oxygen Demand
Biological Oxygen Demand

2. Which of the following is NOT a source of organic matter contributing to BOD in water bodies?

*

1 point

Industrial discharge
Municipal sewage
Agricultural runoff
Inorganic pollutants

3. How is BOD typically measured in water samples?

*

1 point

Estimating the volume of organic matter visually

Directly counting microorganisms

Measuring the concentration of dissolved oxygen before and after incubation

Calculating the pH level of the water

4. Which of the following best describes the relationship between BOD and water quality?

*

1 point

Lower BOD indicates higher pollution levels

Higher BOD indicates more dissolved oxygen available

Higher BOD indicates cleaner water

Lower BOD indicates cleaner water

5. What effect does high BOD levels have on aquatic ecosystems?

*

1 point

Improved biodiversity

Increased dissolved oxygen levels

Increased risk of fish kills

Decreased risk of algal blooms

6. What does COD stand for in environmental science?

*

1 point

Carbon Oxygen Demand

Chemical Oxygen Distribution

Carbonate Oxygen Decomposition

Chemical Oxygen Demand

7. Which of the following best describes the COD test?

*

1 point

It measures the amount of oxygen required to chemically oxidize organic and inorganic matter in water.

It measures the level of carbon dioxide dissolved in water.

It measures the amount of dissolved oxygen consumed by microorganisms.

It measures the concentration of chemicals in water samples.

8. What is the primary difference between BOD and COD?

*

1 point

BOD measures the amount of oxygen consumed by microorganisms, while COD measures the chemical oxidation demand.

BOD is a rapid test, while COD is a long-term test.

BOD measures dissolved oxygen, while COD measures dissolved chemicals.

BOD measures organic pollution, while COD measures inorganic pollution.

9. Which of the following is NOT a common factor contributing to high COD levels in water bodies?

*

1 point

Agricultural runoff

Industrial wastewater discharge

Biological activity

Municipal sewage

10. What effect does high COD levels have on water quality?

*

1 point

Increased clarity of water

Increased biodiversity in aquatic ecosystems

Reduced availability of dissolved oxygen

Decreased risk of eutrophication

11. Which of the following bacterial indicators is commonly used to assess water quality?

*

1 point

Salmonella

Staphylococcus aureus

E. coli

Bacillus anthracis

12. What does the presence of coliform bacteria in water indicate?

*

1 point

Recent contamination with fecal matter

Adequate treatment with disinfectants

Low levels of organic pollutants

High levels of dissolved oxygen

13. What method is commonly used to detect coliform bacteria in water samples? *

1 point

pH testing

Membrane filtration

Turbidity measurement

Polymerase chain reaction (PCR)

14. Which of the following statements about total bacterial count in water is true? *

1 point

It provides a measure of overall bacterial pollution.

It is not affected by environmental factors.

It only includes pathogenic bacteria

It is not a reliable indicator of water quality.

15. What is the acceptable level of coliform bacteria in drinking water, according to regulatory standards?*

1 point

10,000 CFU/MI

1000 CFU/mL

100 CFU/mL

10 CFU/mL

16. Which water source is typically characterized by being extracted from underground aquifers? *

1 point

Surface water

Groundwater

Distilled water

Rainwater

17. What characteristic of water sources is crucial for determining their suitability for agricultural irrigation?*

1 point

Total dissolved solids (TDS)

Turbidity

Nitrate concentration

pH level

18. Which type of water source is most susceptible to contamination from industrial pollutants and sewage discharge?

*

1 point

Spring water

Groundwater

River water

Rainwater

19. What parameter is essential to evaluate in water analysis to ensure compliance with drinking water standards and regulations?

*

1 point

Turbidity
Total dissolved solids (TDS)
pH level
All of the above

20. What characteristic of water sources influences their taste, odor, and overall aesthetic quality?*

1 point

Hardness
Total dissolved solids
Turbidity
Temperature

21. What is the primary purpose of rainwater harvesting?*

1 point

To prevent flooding
To replenish groundwater
To create artificial lakes
To increase surface water availability

22. Which industry typically consumes the largest amount of water?

*

1 point

Pharmaceutical production
Food processing
Textile manufacturing
Automotive manufacturing

23. Which compound is primarily responsible for the unpleasant odor often detected in water sources?

*

1 point

Sodium chloride
Chlorine
Calcium carbonate
Hydrogen sulfide

24. Which instrument is commonly used to measure turbidity in water?*

1 point

Thermometer
Turbidimeter
PH meter
Spectrophotometer

25. The standard unit of measurement for turbidity is:

*

1 point

NTU (Nephelometric Turbidity Units)

PH

Ppm (Parts per million)

°C (Degrees Celsius)

26. At what temperature does water reach its maximum density?*

1 point

25°C

4°C

0°C

100°C

27. What does pH stand for?*

1 point

Potential Hydrogen

Protonic Hydroxide

Pure Hydration

Phosphorus Hydride

28. What pH range is considered optimal for most freshwater aquatic life?*

1 point

pH 9-10

pH 7-8

pH 3-4

pH 12-13

29. How can pH levels in water be adjusted?*

1 point

Adding chlorine

Increasing temperature

Treating with lime

Decreasing turbidity

30. What does TDS stand for?*

1 point

Total Dissolved Solutions

Total Dissolved Substances

Total Dissolved Solids

Total Dissolved Suspensions

31. Which method is commonly used for the determination of hardness in water? *

1 point

Mohr's method

Spectrophotometry

Titration

Gravimetric analysis

32. What is the purpose of softening techniques in water treatment? *

1 point

- To increase hardness
- To reduce turbidity
- To enhance microbial growth
- To remove dissolved solids

33. Which reagent is commonly used in Mohr's method for the analysis of chloride? *

1 point

- Silver nitrate
- Potassium dichromate
- Sodium thiosulfate
- Ferric chloride

34. What is the indicator used in Mohr's method?*

1 point

- Phenolphthalein
- Methyl orange
- Potassium chromate
- None of the above

35. Which organization sets international water quality standards? *

1 point

- WMO (World Meteorological Organization)
- EPA (Environmental Protection Agency)
- UNESCO (United Nations Educational, Scientific and Cultural Organization)
- WHO (World Health Organization)

36. What is the purpose of establishing water quality criteria?

*

1 point

- To ensure equitable distribution of water resources
- To encourage water privatization
- To regulate water pricing
- To provide guidelines for protecting aquatic life and human health

37. What is the acceptable limit for Total Dissolved Solids (TDS) in drinking water according to the WHO?

*

1 point

- 2000 ppm
- 1000 ppm
- 1500 ppm
- 500 ppm

38. What is the acceptable limit for fluoride in drinking water according to WHO standards?*

1 point

1.0 mg/L

0.5 mg/L

1.5 mg/L

2.0 mg/L

39. How does the presence of chloride ions affect water quality?

1 point

Increases acidity

Corrosive to metals

None of the above

Enhances hardness

40. What is the primary objective of setting national water quality standards?

1 point

Promoting economic growth

Maintaining water scarcity

Enhancing industrial productivity

Protecting human health and the environment

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CERTIFICATION

CERTIFICATE OF COMPLETION

This is to certify that

D.VIVEK

Class: B.Sc. Chemistry Hons.

Hall Ticket Number: 23364004

Has successfully completed the Certificate Course in

AQUATIC SCIENCE & WATER QUALITY ANALYSIS

Conducted by the Department of Chemistry and Biochemistry

Course Coordinator 1

Principal

Course Coordinator 2

CERTIFICATE OF COMPLETION

This is to certify that

MANGAPATLA SIVALEELA

Class: B.Sc. Biochemistry Hons.

Hall Ticket Number: 23372009

Has successfully completed the Certificate Course in

AQUATIC SCIENCE & WATER QUALITY ANALYSIS

Conducted by the Department of Chemistry and Biochemistry

Course Coordinator 1

Principal

Course Coordinator 2

PERMISSION LETTER TO VISIT WATER TREATMENT PLANT



S.R.R. & C.V.R. GOVT. DEGREE COLLEGE
(Autonomous) Estd : 1937



Machavaram, VIJAYAWADA - 520 004, N.T.R. District, A.P
NAAC 'A' (Cycle-4), ISO 9001:2015 Certified & NIRF Ranked Institution
Cell: 9848251236, 0866-2430060, website: www.srrcvr.ac.in, E-mail: srrandcivr@gmail.com

Dr. K. Bhagya Lakshmi, M.Sc., M.Phil., Ph.D.,
Principal

Date :

To,
The Municipal Commissioner,
Municipal Corporation Vijayawada,
Andhra Pradesh

Subject: Request regarding permission for 70 students of S.R.R& C.V.R GDC (A),
Vijayawada, studying first B.Sc. to Visit Water Treatment Plant, Vijayawada.

Dear Sir,

I am writing on behalf of S.R.R & C.V.R GDC (A), Vijayawada, to seek your permission and support for a field visit to one of the water treatment plants operated by the Vijayawada Municipal Corporation. We are excited to inform you that the visit will involve approximately 70 first-year B.Sc. students who are pursuing a Certificate Course in Water Management as part of the newly implemented educational policy. The primary objective of this field visit is to provide our students with practical exposure to the real-world processes involved in water treatment, distribution, and management.

The visit is scheduled to take place on 4/11/23 with a preferred starting time of 2pm, we anticipate that the visit will last for approximately 3 hour, during which our students will observe the water treatment processes, interact with the dedicated staff at the plant, and gain insights into the infrastructure and technologies employed for water purification. We assure you that our students are well-informed about the importance of adhering to all safety protocols and guidelines set by the Municipal Corporation. We will take all necessary measures to minimize any disruptions to the plant's operations during our visit.

Furthermore, we kindly request your assistance in coordinating this visit and arranging for a knowledgeable guide who can provide an informative tour and explain the intricacies of the water treatment process. Additionally, we seek your permission to allow our students to take photographs and make notes for educational purposes, as part of the curriculum.

We sincerely appreciate your time and consideration of our request. Your support in granting permission for this educational field visit would greatly enhance the learning experience of our students and contribute to their knowledge and understanding of water management.

We kindly request a positive response at your earliest convenience. Thank you for your attention and cooperation in this matter. We eagerly anticipate the opportunity for our students to gain valuable insights into the commendable efforts of the Vijayawada Municipal Corporation in ensuring a reliable supply of clean and safe drinking water to the residents of our city.

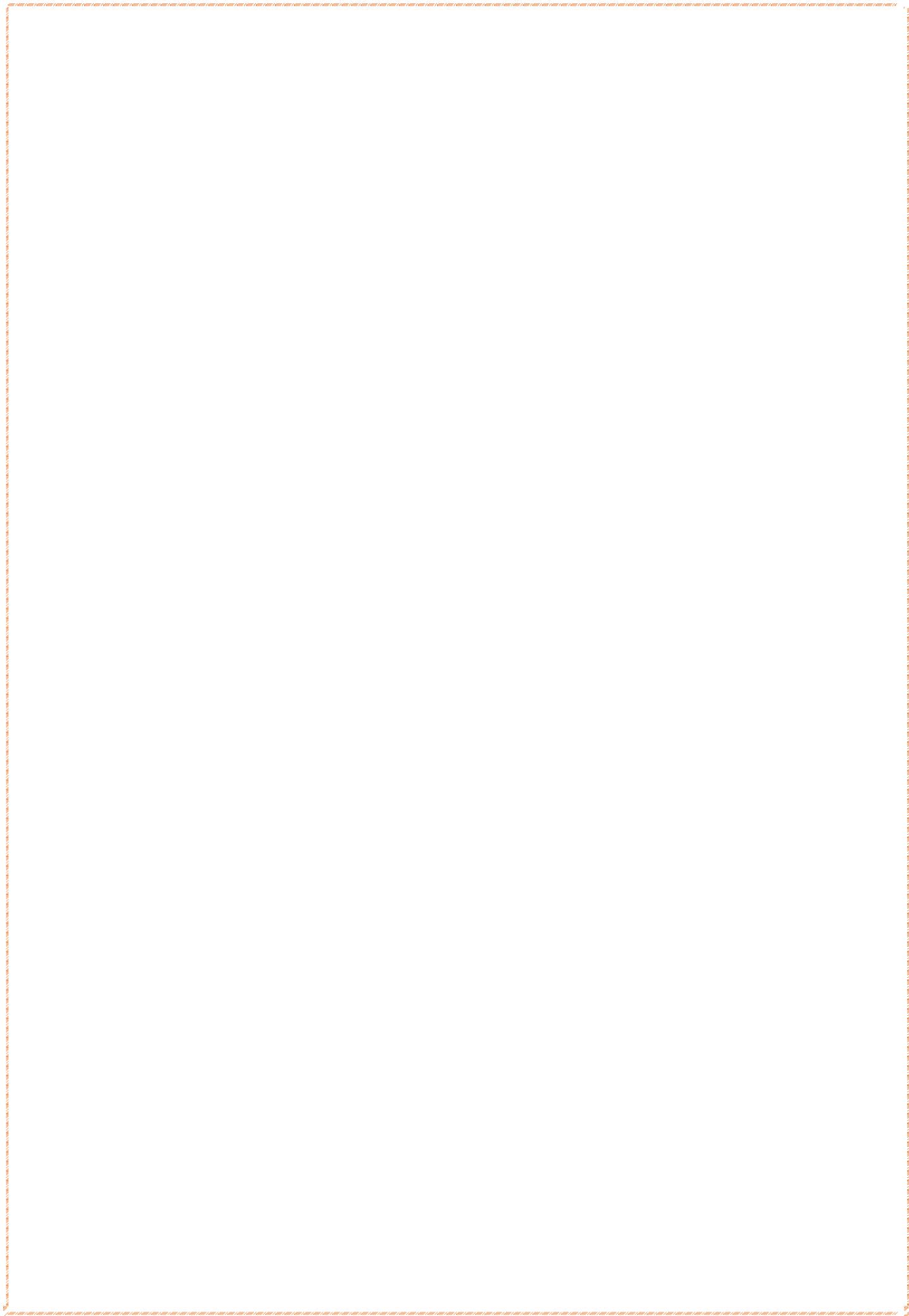
Thanking you Sir.

EF-1
MLW

3/11/23



[Signature]
3-11-2023
Principal
SRR & CVR GOVT. DEGREE COLLEGE
(Autonomous)
Machavaram, VIJAYAWADA-520 004



SRR & CVR Government Degree College

An Autonomous & ISO 9001:2015 Certified Institution; Ranked by NIRF in 101-120 band at NIRF-2020 & 121-200 band at NIRF-2019 NAAC accredited Institution with grade B+ with C.G.P.A 2.6 during March, 2017
Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Dates	5.6.2023
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	Department
Nature of activity (seminar/Workshop/Extn. Lecture etc.	An extension activity as Best Practice
Title of the Activity	Seed Bombing for Nature
Name of the Department/Committee	Department of Botany
Details of Resource Persons (Name , Designation etc.,)	Ms G.Swapna , Incharge Dept of Botany Mrs V.N Padmavathi , Lecturer in Botany
No of students participated	165
Name of the Lecturers who planned & conducted the activity	Mrs V.N Padmavathi , Lecturer in Botany

Inauguration of seedballs best practice by Honourable Commissioner Dr P.Pola Bhaskar Garu & Principal Dr K. Bhagaya Lakshmi



On the eve of World Environmental Day 5.6.2023 one of the best practice Seed bombing for Nature was inaugurated by Dr P.Pola Bhaskar Honorable Commissioner CCE. A.P

Seed balls are important because it is the easiest way to plant native plants, Flowers and grasses. The planting method requires time and patience. In seed balls, regardless of age, anyone can plant anything without much effort. Additionally, the clay and humus ball prevents the seeds from drying out in the sun, getting eaten by predators like rats and birds, or from blowing away. When enough rain has seeped into the clay, the seeds will sprout with the help of its mixtures.

Seed bombing is the practice of introducing vegetation to land by throwing or dropping seed balls. It is used in modern aerial seeding as a way to deter seed predation. It has also been popularized by the green movement as a way to introduce new plants to an environment.

Report : Department of Botany I B.Sc BZC students prepared the seedballs under the guidance of Smt. V.N Padmavathi , Lecturer in Botany .

Students Prepared the soil and mixed the collected seeds into the soil mixture and prepared seed balls. Seed balls were dried and stored . To make a seed ball, generally about five measures of red clay by volume are combined with one measure of seeds. The balls are formed between 10 mm and 80 mm (about 1/2" to 3") in diameter. After the seed balls have formed, they must dry for 24–48 hours before use.



I B.Sc BZC Students Preparing the soil and seed balls on Terrace

**MS k.Mounika II B.Sc Horticulture student explaining the concept and significance
Of seedballs for cycling of nature**



Planting the Seed Balls in ground by Honourable commissioner Dr P.Pola Bhaskar



This activity was a big success and garnered a heap of praises

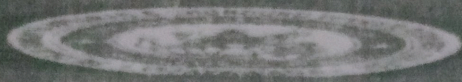




STUDENT SIGNATURES AND FEEDBACK

S.No	Date	Class	Roll no/ Reg no	Signature	Remarks
17.	5.6.23	I, II, III B2C, BHC	201	M. Sriharsha Vardam	got the awareness on seed bombing
18.	5.6.23	I, II, III B2C, BHC	202	N. Keerthana	got the awareness on seed bombing
19.	5.6.23	I, II, III B2C, BHC	203	P. Vaven Chand	got the awareness on seed bombing
20.	5.6.23	I, II, III B2C, BHC	204	P. Kalyani	got the awareness on seed bombing
21.	5.6.23	I, II, III B2C, BHC	205	P. Nehru	got the awareness on seed bombing
22.	5.6.23	I, II, III B2C, BHC	206	S. Sravya	got the awareness on seed bombing
23.	5.6.23	I, II, III B2C, BHC	207	S. Chittibabu	got the awareness on the bombing
24.	5.6.23	I, II, III B2C, BHC	208	S. Sadhana	got the awareness on the bombing
25.	5.6.23	I, II, III B2C, BHC	209	S. Ayesha Bessu	got the awareness on seed bombing
26.	5.6.23	I, II, III B2C, BHC	210	S. Nagar Bhasa	got the awareness on seed bombing
27.	5.6.23	I, II, III B2C, BHC	211	S. Ramana Kumar	got the awareness on seed bombing
28.	5.6.23	I, II, III B2C, BHC	212	T. Sessu	got the awareness on seed bombing
29.	5.6.23	I, II, III B2C, BHC	213	N. Harsha	got the awareness on seed bombing
30.	5.6.23	I, II, III B2C, BHC	214	P. Pavani	got the awareness on seed bombing
31.	5.6.23	I, II, III B2C, BHC	215	T. Sesi	got the awareness on seed bombing
32.	5.6.23	I, II, III B2C, BHC	216	L. Vamsi	got the awareness on seed bombing





STUDENT SIGNATURES AND FEEDBACK

S.No	Date	Class	Roll no/ Reg no	Signature	Remarks
1.	5.6.23	I, II, III B2C & BHC	224	Y. Jafarish	got the awareness on seed bombing
2.	5.6.23	I, II, III B2C & BHC	225	J. Lakshman	got the awareness on seed bombing
3.	5.6.23	I, II, III B2C & BHC	226	P. ABHISTEK	got the awareness on the seed bombing
4.	5.6.23	I, II, III B2C & BHC	227	S. Siva	got the awareness on seed bombing
5.	5.6.23	I, II, III B2C & BHC	228	K. Reavathi	got the awareness on seed bombing
6.	5.6.23	I, II, III B2C & BHC	229	K. DEEPTHI	got the awareness on seed bombing
7.	5.6.23	I, II, III B2C & BHC	2300	G. VENKATESA	got the awareness on seed bombing
8.	5.6.23	I, II, III B2C & BHC	2301	K. SUPRIYA	got the awareness on seed bombing
9.	5.6.23	I, II, III B2C & BHC	232	K. MOHITHAS	got the awareness on seed bombing
10.	5.6.23	I, II, III B2C & BHC	233	A. Raju	got the awareness on seed bombing
11.	5.6.23	I, II, III B2C & BHC	234	A. swathi	got the awareness on seed bombing
12.	5.6.23	I, II, III B2C & BHC	235	B. Sharon Pal	got the awareness on seed bombing
13.	5.6.23	I, II, III B2C & BHC	236	B. Bhavitha	got the awareness on seed bombing
14.	5.6.23	I, II, III B2C & BHC	237	B. Rasu	got the awareness on seed bombing
15.	5.6.23	I, II, III B2C & BHC	238	G. Adilakshmi	got the awareness on seed bombing
16.	5.6.23	I, II, III B2C & BHC	239	K. RAVI TEJA	got the awareness on seed bombing

**Report on Textiles Printing Certificate Course for UG Students
Physics & Electronics Department**

In association with

Jana Sikshana Sansthan & National Skill Development Corporation

Course Title: Textile Printing

Commencing Date : 15 July 2023

concluding Date : 28 October – 2023

Duration : 105 days

Instructor: Ramesh , Jana Sikshana Sansthan, Mogalrajapuram.

Venue : Physics LabII , SRR & CVR GDC(A), Vijayawada.

No. of Students Participated: 40 II B.Sc (MPC, MPCA)

Introduction

This course introduced various textile printing techniques and technologies. Students learnt both the theory and practical aspects of textile printing & the use of different printing methods and equipment. Upon completion, students had acquired the skills necessary for a career in the textile printing industry.



S.R.R. & C.V.R. GOVT. DEGREE COLLEGE

(Autonomous)

Estd : 1937



Machavaram, VIJAYAWADA - 520 004. N.T.R. District, A.P

NAAC 'B+' (Cycle-3), ISO 9001:2015 Certified & NIRF Ranked Institution

Cell: 9848251236, 0866-2430060, website: www.srrcvr.ac.in, E-mail: srrandcvr@gmail.com

Dr. K. Bhagya Lakshmi, M.Sc., M.Phil., Ph.D.,

Date : 7-7-2023

To Principal
The Director,
Jana Sikshan Sansthan,
Mogalrajapuram,
Vijayawada, AP (State).

Sub: Request for Textiles Printing Training Workshop on Textiles Printing
Training for B.Sc 2nd year students – 105 days duration - regarding.

Respected Madam,

Department of Physics & Electronics, SRR & CVR Government Degree College, Vijayawada, would like to express our keen interest in collaborating with Jana Sikshana Sansthan (JSS) for a textile printing training certificate course. We believe that such a workshop would be beneficial for our undergraduate students and is useful to complete their internship program.

Considering JSS's expertise and reputation in providing quality training programs, we are confident that a collaboration between our institution and JSS will provide our students with hands-on exposure to this valuable skill textiles printing, enabling them to acquire practical knowledge.

We kindly request Jana Sikshana Sansthan's support in organizing and conducting this workshop.

We are pleased to offer a classroom in physics lab to conduct this training program from Dt:15-07-2023 to Dt: 28-10-2023 at our students' convenience. If there is any difficulty, we will alter schedule. We wait for your positive response.

Thank you for considering our request.

Sincerely,


Principal

PRINCIPAL
SRR & CVR GOVT. DEGREE COLLEGE
(Autonomous)
Machavaram, VIJAYAWADA - 520 004.

Acceptance Letter from JSS, Mogalrajapuram, Vijayawada

Dt: 10-07-2023,
Vijayawada.

To
The Principal,
SRR & CVR Government Degree College (A),
Vijayawada, NTR (Dt)

Sub: Acceptance to Conduct Textiles Printing Training certificate Course at SRR & CVR Government Degree College (A), Vijayawada for B.Sc 2nd year students.

Respected Madam,

I am writing on behalf of Jana SikshanSansthan (JSS) to express our commitment to conducting the Textiles Printing training for the undergraduate students at SRR & CVR Government Degree College (A), Vijayawada, NTR (Dt).

I would like to extend our gratitude for approaching us with this valuable initiative, aimed at equipping students with the knowledge and skills to maintain quality standards in their printed textiles, which are essential skills in today's world.

Our dedicated team at JSS , understand the significance of equipping students with practical knowledge and Hands-on training in different textiles printing methods: screen printing, block printing, and digital printing.

Therefore, we are fully prepared to design and deliver a comprehensive program of **105 Days** that covers the essential aspects of textiles printing techniques and processes, printing methods, to explore their creativity and design their prints.

In addition to the training content, we will also provide the necessary teaching materials, equipment, and experienced trainer **Sri. Ramesh**, Instructor in textiles printing, to ensure that this hands-on training is both informative and engaging.

I propose that we schedule this training from Dt:15-07-2023 to Dt: 28-10-2023 at Physics & Electronics Department , as per the convenience of the students from our discussions.

At the end, on Dt: 28-10-2023 an exam will be conducted to evaluate students' performance, and certificates by National Skill Development Corporation (NSDC), recognized throughout India will be issued.

Thank you for entrusting JSS with this opportunity.

Sincerely,

Director,

Jana Sikshana Sansthan (JSS),
Vijayawada.

Date : 12 -07-2023,
Vijayawada.

To
The Principal,
SRR & CVR Government Degree College (A),
Vijayawada.

Respected Madam,

Sub: Department of Physics & Electronics- conduction of Textiles Printing Certificate Course - 105 Day Offline training - Permission- request- regarding.

I here with submit that, **Department of Physics and Electronics** in association with Jana Sikshana Sansthan, Mogalrajapuram, Vijayawada, will be conducting a 105-day Certificate Course on "Textiles Printing" for II B.Sc students from Dt:15-07-2023 to Dt: 28-10-2023. This program will serve as a 2-month internship opportunity at the conclusion of the 4th semester. Therefore, we kindly request your permission for the students to participate in this program. We submit this request for your favourable consideration and action, madam.

Thanking you madam.

Yours sincerely,

P. Sailaja 12/7/23

P. Sailaja , Associate Professor of Electronics
HoD , Department of Physics & Electronics,
SRR & CVR GDC (A), Vijayawada

W
12.7.23

Objectives:

The primary objectives of the Textiles Printing Certificate Course, conducted for 40 B.Sc 2nd year students of the Physics & Electronics Department in association with Jana Sikshana Sansthan and the National Skill Development Corporation, were as follows:

1. **Skill Development:** To provide students with practical skills in textiles printing, enabling them to explore career opportunities in the textile industry.
2. **Hands-on Experience:** To offer students hands on experience with textile printing techniques, and tools.
3. **Design and Creativity:** Encouraging students to explore their creativity and design their prints.
4. **Quality Control and Finishing:** Ensuring that students are equipped with the knowledge to maintain quality standards and finish their printed textiles.

Training Methodology:

The course curriculum was designed to impart both theoretical knowledge and practical skills in textiles printing.

Syllabus:

1: Introduction to Textile Printing

Role of textile printing in the industry

Historical perspective of textile printing

2: Textile Printing Techniques

Block printing

Screen printing

Digital printing

Heat transfer printing

3: Printing Equipment and Materials

Types of printing machinery

Printing inks and pigments

Stencils and screens

Printing substrates (fabrics)

4: Preparing for Printing

Fabric preparation and pretreatment

Design development and colour selection

Printing layout and registration

5: Printing Process

Hands -on practice with various printing techniques

Printing troubleshooting and quality control

Health and safety guidelines

6: Post Printing Processes

Drying and curing methods

Finishing techniques

Inspection and quality assurance

7: Projects

Group project

Building a portfolio of printed textile samples

Assessment:

Written exams

Practical assessments

Project evaluations

Portfolio review

Certification: certificates are issued to students , recognized by the National Skill Development Corporation to successful participants, enhancing their employability prospects.



Outcomes:

The Textiles Printing Certificate Course yielded the following outcomes:

1. **Skill Enhancement:** Participants gained a comprehensive understanding of textiles printing techniques block printing, screen printing, and digital printing.
2. **Hands-on Experience:** Students acquired practical skills through lab sessions.
3. Offering this type of skill development courses in collaboration with industry partners helps bridge the gap between academia and industry requirements
4. **Certification:** All 40 participants successfully completed the course and received certificates from the National Skill Development Corporation, enhancing their employability.
5. **Resource Utilization:** The efficient utilization of the physics lab classroom for the training program shows the department's commitment to resource optimization.

Promoting Dry Waste Management in Schools

Date : 04-11-2023 , 17-11-2023 & 26-11-2023

Participants : II B.Sc (MPCS) Students

1. A.Jayanth
2. G.Sai Teja
3. J.Ramesh
4. J.Gowtham Surya
5. K. Venkata Ramana
6. K.Suri Babu
7. K.Ganesh
8. L.Tejaswini
9. M.Lidiya
10. M.Vani
11. M.Venkata Narasimha Rao
12. N.Mahesh Babu
13. N.Mano Ramana
14. P.Surya Prakash

Target Schools :

1. Chitturi School, Satyanarayana Puram, Vijayawada Dt : 04-11-2023
2. Don Bosco School, Gunadala, Vijayawada Dt :17-11-2023
3. Vignan Vihar school, Prasadampadu, Vijayawada Dt: 26-11-2023

Organisers : Department of Physics & Electronics in Association with Academy of Gandhian Studies

Introduction

II MPCs students, SRR & CVR Government Degree College (A), Vijayawada had taken the initiative to promote sustainable practices in schools. In collaboration with Academy of Gandhian Studies (AGS) under WoW (Wellbeing out of Waste) program , students have engaged in raising awareness about environmental conservation, focusing on waste management, recycling, and responsible consumption.

Objectives

To educate school students on the importance of sustainability.

To implement practical initiatives for waste segregation and recycling.

To foster a culture of environmental responsibility among the youth.

Methodology

1. **Partnerships:** Collaboration with ITC WOW and AGS organizations to facilitate training and resources.
2. **Target Schools:** Selection of diverse schools based on their commitment to educational excellence and community engagement.
3. **Awareness Sessions:** Conducting interactive workshops to educate students about sustainable practices, emphasizing dry waste segregation.

Activities Conducted at Schools for the awareness program on dry waste segregation

1. **Introduction to Waste Segregation:**
Students are introduced to the importance of separating different types of waste.
2. **Types of Waste:**
A brief explanation of dry, wet, and hazardous waste is provided.
3. **Benefits of Waste Segregation:**
The positive impacts of proper waste segregation on the environment and health are discussed.
4. **Awareness Materials:**
Pamphlets, posters, and presentations are used to teach about dry waste management.
5. **Q&A Session:**
Students ask questions to clarify any doubts about waste segregation.
6. **Executing the Collection Drive:**
School Students actively collect dry waste like papers, books, and plastic items from their homes.
7. **Weighing and Recording Collected Papers, Books, Plastic Items:**
The collected waste is weighed and recorded to track the amount gathered.
8. **Recognizing the Impact of Each Contribution:**
Each participant's effort is acknowledged, highlighting the positive environmental impact of their contribution.
9. **Distributing Certificates and Rewards:**
Certificates and small rewards are given to participants to appreciate their involvement and encourage future efforts.
10. **Feedback and Evaluation:**
Participants share their opinions by answering to survey forms provided.

Survey on Waste Segregation Awareness Among School Students

Section 1: Demographic Information

1. Class:

Class 1 Class 2 Class 3 Class 4 Class 5 Other (please specify): _____

2. Age:

6 - 8 years 9 - 11 years 12 -14 years 15 -17 years

3. Gender:

Male
 Female

Section 2: Awareness of Waste Segregation

4. Have you heard about waste segregation before this survey?

Yes No

5. How would you define waste segregation in your own words?

6. Where do you think waste goes after you throw it away?

7. Do you know why waste segregation is important for the environment?

Yes No

8. What do you think are the benefits of waste segregation? (Select all that apply)

Helps the environment Saves resources
 Reduces pollution Other (please specify): _____

Section 3: Practices and Habits

9. Do you segregate waste at home or in school?

Always Sometimes Never

10. What challenges do you face in practicing waste segregation?

i. Lack of Awareness:

- a. I am not fully aware of what items can be recycled.
b. I don't know how to properly segregate different types of waste.

ii. Confusion:

- a. It's confusing to figure out which bin to use for different materials.
b. I'm unsure about the specific categories for waste segregation.

iii. Lack of Proper Bins:

- a. There are not enough clearly marked bins for different types of waste.
b. The bins available are often mixed, making it difficult to segregate waste properly.

iv. Laziness or Forgetfulness:

- a. I sometimes forget to segregate waste because it feels like an extra effort.
- b. Laziness is a barrier to consistently practicing waste segregation.

v. No Encouragement:

- a. There isn't enough encouragement or recognition for those who segregate waste.
- b. There are no rewards or incentives for practicing waste segregation.

vi. Peer Influence:

- a. My friends or classmates do not practice waste segregation, and it affects my habits.
- b. Peer pressure makes it challenging to segregate waste as others may not follow the practice.

vii. Lack of Monitoring:

- a. There is no monitoring or follow-up to ensure that waste segregation is being done correctly.
- b. The school or community does not enforce waste segregation practices.

viii. Limited Information:

- a. I am not provided with enough information on the environmental impact of waste segregation.
- b. The importance of waste segregation is not communicated effectively to me.

ix. *Other (please specify):* _____

Section 4: Awareness Program Impact

11. *Did you participate in any waste segregation awareness programs at school recently?*

- Yes
- No

12. *If yes, how did the program influence your understanding of waste segregation?*

13. *What more would you like to learn about waste segregation?*

Section 5: Additional Comments

14. *Do you have any suggestions or comments regarding waste management in your school or community?*

Thank you for completing the survey! Your input is valuable in promoting a cleaner and greener environment.

SRR & CVR GOVERNMENT DEGREE COLLEGE- Department of Physics & Electronics
In association with
Academy of Gandhian Studies- ITC WoW Program
Student Data - Dry Waste Collection & Rewards

School: Vignan Vihar, Prasadampadu
 Dates :

S. No	Student Name	Class	Quantity of Dry waste collected	Reward Received	Performance	Student Signature
1.	M.V.N.R.Sri Harshini	6 th	2.5 kg	25 Rs	Good	sriharshini
2.	A.Neha	7 th	3.7 kg	37 Rs	Awesome	(N)
3.	k.snehalatha	7 th	6.1 kg	61 Rs	Very Good	snehalatha
4.	P.Saranya	7 th	3.3 kg	33 Rs	Good	saranyap
5.	T.Tahnavi	4 th	5.5 kg	55 Rs	Awesome	T.Tahnavi
6.	P.kushal	4 th	3.5 kg	35 Rs	Good	P.kushal
7.	s.sai lathika	6 th	3.5 kg	35 Rs	Very Good	lathika
8.	ch.Pradeep	4 th	4.0 kg	40 Rs	Good	ch
9.	M.Vijval	4 th	2.0 kg	20 Rs	Good	Vijval
10.	A.Gnana Rupini	4 th	2.1 kg	21 Rs	Good	Gnanarupini
11.	A.Chaitra	1 th	15.0 kg	150 Rs	Excellent	chaitra
12.	k.geethika	4 th	6.1 kg	61 Rs	Awesome	geethika

SRR & CVR GOVERNMENT DEGREE COLLEGE- Department of Physics & Electronics
In association with
Academy of Gandhian Studies- ITC WoW Program
Student Data - Dry Waste Collection & Rewards

School: Vignan Vihar, Prasadampadu
 Dates :

S. No	Student Name	Class	Quantity of Dry waste collected	Reward Received	Performance	Student Signature
13.	I.Medha sri	7 th	6.0	60	Good	Medha
14.	P.Delliskar	8 th	9.8	98	Excellent	Delliskar
15.	M.Devansh	9 th	10.8	108	Very Good	devansh
16.		1 th	15.0	150	Excellent	chaitra

SRR & CVR GOVERNMENT DEGREE COLLEGE- Department of Physics & Electronics
In association with
Academy of Gandhian Studies- ITC WoW Program
Survey on Waste Segregation Awareness Among School Students

Section 1: Demographic Information

1. Name of the Student *M V N R. Sri Harshini*
2. Class:
 Class 1 Class 2 Class 3 Class 4 Class 5
 Other (please specify): *6th*
2. Age:
 6 - 8 years 9 - 11 years 12 -14 years 15 -17 years
3. Gender:
 Male
 Female

Section 2: Awareness of Waste Segregation

4. Have you heard about waste segregation before this survey?
 Yes No
5. How would you define waste segregation in your own words? *The sorting separation of waste types of facilitate recycling and correct onward disposed*
6. Where do you think waste goes after you throw it away?
Earth, ground
7. Do you know why waste segregation is important for the environment?
 Yes No
8. What do you think are the benefits of waste segregation? (Select all that apply)
 Helps the environment Saves resources
 Reduces pollution Other (please specify): _____

Section 3: Practices and Habits

9. Do you segregate waste at home or in school?
 Always Sometimes Never
10. What challenges do you face in practicing waste segregation?
 - i. Lack of Awareness:
 - a. I am not fully aware of what items can be recycled.
 - b. I don't know how to properly segregate different types of waste.
 - ii. Confusion:
 - a. It's confusing to figure out which bin to use for different materials.
 - b. I'm unsure about the specific categories for waste segregation.
 - iii. Lack of Proper Bins:

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- b. The bins available are often mixed, making it difficult to segregate waste properly.

iv. Laziness or Forgetfulness:

- a. I sometimes forget to segregate waste because it feels like an extra effort.
- b. Laziness is a barrier to consistently practicing waste segregation.

v. No Encouragement:

- a. There isn't enough encouragement or recognition for those who segregate waste.
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vi. Peer Influence:

- a. My friends or classmates do not practice waste segregation, and it affects my habits.
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vii. Lack of Monitoring:

- a. There is no monitoring or follow-up to ensure that waste segregation is being done correctly.
- b. The school or community does not enforce waste segregation practices.

viii. Limited Information:

- a. I am not provided with enough information on the environmental impact of waste segregation.
- b. The importance of waste segregation is not communicated effectively to me.

ix. Other (please specify): _____

Section 4: Awareness Program Impact

11. Did you participate in any waste segregation awareness programs at school recently?

- Yes
- No

12. If yes, how did the program influence your understanding of waste segregation?

NO

13. What more would you like to learn about waste segregation?

Composting

Section 5: Additional Comments

14. Do you have any suggestions or comments regarding waste management in your school or community?

Recognition and Incentives

Participants were rewarded for their commitment to sustainable practices through:

- 1) Certificates of participation
- 2) Educational materials such as books , Pens & stationery

Impact Assessment

Feedback: Positive responses from students and teachers increased awareness and willingness to adopt sustainable practices.

Behavioural Change: Many students reported changes in their waste management habits at home and school.

School management had Established a sustainability club in schools to continue promoting ecofriendly practices.

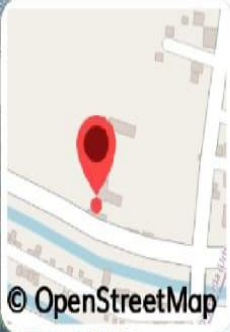
Conclusion

The initiative led by II MPCS students of SRR & CVR GDC(A) in association with AGS , Vijayawada has successfully promoted sustainable practices in schools, creating an effect that encourages ongoing engagement in environmental stewardship.





Gandhi Nagar, 26-11-12, Hindi Street,
Gandhi Nagar, Opposite SKPVV
Girls High School, Gandhi Nagar,
Lat: 16.5176498
Lon: 80.6266638
04/11/2023 11:30:41 AM GMT+05:30



Carmel Nagar, Karmel Nagar, Gunadala, Vijayawada, Andhra Pradesh 520004, India

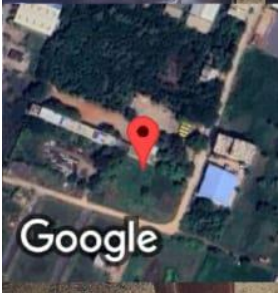
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Lon: E 80°39'46.67652 Time: 11:46 AM 31.01°C

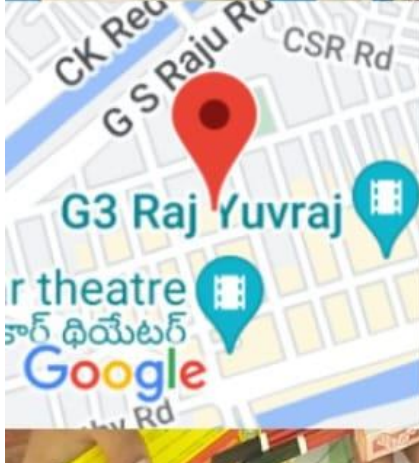




 **GPS Map Camera**



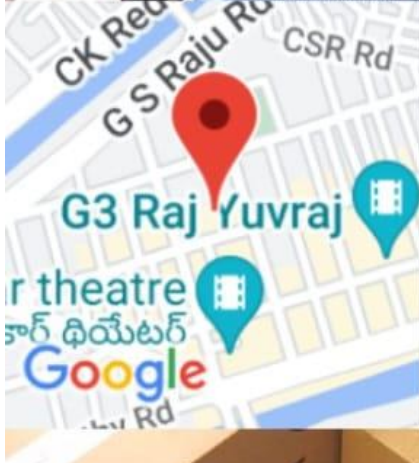
Vijayawada, Andhra Pradesh, India
GM7X+CV9, NH16, Opposite To LAKshmi Mobis, Enikepadu, Vijayawada,
Andhra Pradesh 521108, India
Lat 16.513735°
Long 80.699363°
16/11/23 01:13 PM GMT +05:30



Gandhi Nagar, 26-11-12, Hindi Street,
Gandhi Nagar, Opposite SKPVV
Girls High School, Gandhi Nagar,
Lat: 16.5176498
Lon: 80.6266638
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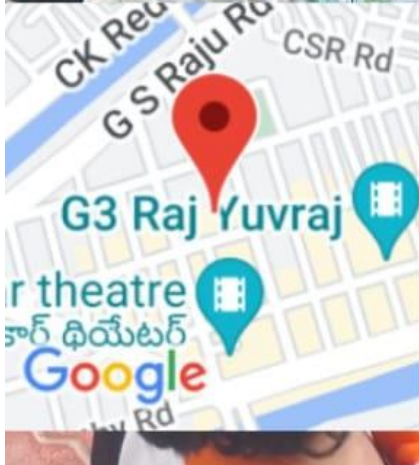
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Gandhi Nagar, Opposite SKPVV
Girls High School, Gandhi Nagar,
Lat: 16.5176498
Lon: 80.6266638
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Gandhi Nagar, 26-11-12, Hindi Street,
Gandhi Nagar, Opposite SKPVV
Girls High School, Gandhi Nagar,
Lat: 16.5176498
Lon: 80.6266638
04/11/2023 11:20:14 AM GMT+05:30



Gandhi Nagar, 26-11-12, Hindi Street,
Gandhi Nagar, Opposite SKPVV
Girls High School, Gandhi Nagar,
Lat: 16.5176498
Lon: 80.6266638
04/11/2023 11:20:38 AM GMT+05:30



Gandhi Nagar, 26-11-12, Hindi Street,
Gandhi Nagar, Opposite SKPVV
Girls High School, Gandhi Nagar,
Lat: 16.5176498
Lon: 80.6266638
04/11/2023 11:24:02 AM GMT+05:30



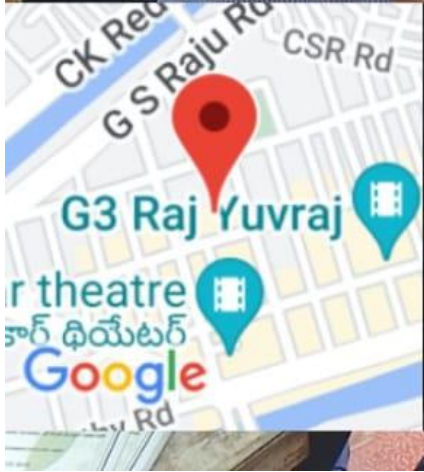
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Girls High School, Gandhi Nagar,
Lat: 16.5176498
Lon: 80.6266638
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Gandhi Nagar, 26-11-12, Hindi Street,
Gandhi Nagar, Opposite SKPVV
Girls High School, Gandhi Nagar,
Lat: 16.5176498
Lon: 80.6266638
04/11/2023 11:13:31 AM GMT+05:30



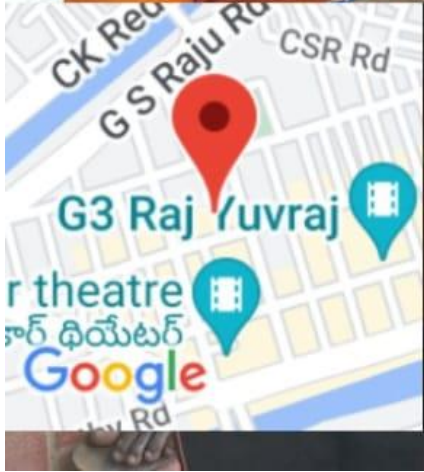
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Girls High School, Gandhi Nagar,
Lat: 16.5176498
Lon: 80.6266638
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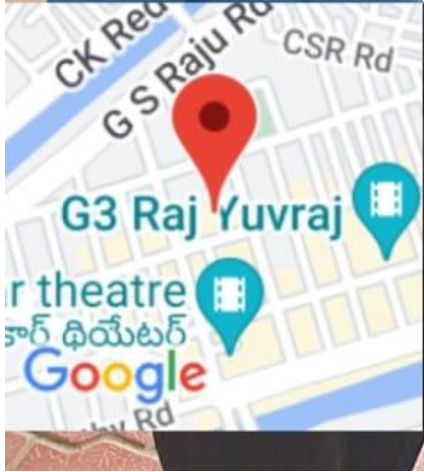
Gandhi Nagar, 26-11-12, Hindi Street,
Gandhi Nagar, Opposite SKPVV
Girls High School, Gandhi Nagar,
Lat: 16.5176498
Lon: 80.6266638
04/11/2023 11:26:14 AM GMT+05:30



Gandhi Nagar, 26-11-12, Hindi Street,
 Gandhi Nagar, Opposite SKPVV
 Girls High School, Gandhi Nagar,
 Lat: 16.5176498
 Lon: 80.6266638
 04/11/2023 11:18:46 AM GMT+05:30



26-3-143, Boddapativari St, Opposite
SKPVV Girls High School, Near Alankar
Theatre, Gandhi Nagar, Vijayawada,
Lat: 16.5176537
Lon: 80.6266701
04/11/2023 12:20:58 PM GMT+05:30



Gandhi Nagar, 26-11-12, Hindi Street,
Gandhi Nagar, Opposite SKPVV
Girls High School, Gandhi Nagar,
Lat: 16.5176498
Lon: 80.6266638
04/11/2023 11:29:38 AM GMT+05:30

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY



Dates	May 2023 , September 2023 (One Month)
Conducted through	Department
Nature of activity	Skill Development /Training
Title of the Activity	Training on Soil Testing
Name of the Department	Department of Botany
Details of Resource Persons (Name , Designation etc.,)	ADA Mrs Padmaja Garu Soil Testing Lab , Gollapudi , Vijayawada , Krishna District
No of students participated	11
Name of the Lecturers who planned & conducted	Ms. G.Swapna Head of the Department /Incharge
Remarks	Very useful and apt training /internship program especially as soil testing is very significant in the area of Horticulture

Department of Botany, SRR & CVR Govt Degree College (A) chalked out a skill development program / one month internship program especially for Horticulture students .

Objectives :

- ❖ **To train the students on various methods of soil testing at agricultural centers**
- ❖ **Providing the official training to students through Dept of Agriculture labs personnel**
- ❖ **Lab to land , Hands on experience on soil testing**
- ❖ **Experiential learning in soil testing**

Execution report:

Department of Botany Incharge Ms G. Swapna approached DAO Smt S. Nagamanemma garu Dept of Agriculture as per the order given by Commissioner and Director of Agriculture .

Later contacted all available agriculture regional centers and labs for providing training to horticulture students and got the training Permission for 11 B.Sc Horticulture students at Gollapudi Soil Testing labs , Krishna District.

Students completed their 4 weeks training by attending two times from June 2023 to September 2023 . The Agriculture professionals and personnel including ADA Padmaja garu trained the students on soil testing .

Soil Analysis leads to more informed fertilizer decisions, reducing risks in the soil such as soil erosion, soil infertility and degraded lands and increasing farm profitability in the long-term. Provides a basis for variable rate application (VRT) depending upon soil and crop.

Students were trained for Mineral testing like calcium, Magnesium , Phosphorus Zinc etc and also for the nature of soil, pH . To test soil nutrient content, a sample is added to an extractant solution and mixed (typically by shaking). Then, the liquid content is filtered and analyzed for chemical elements' presence and concentrations.

The analysis type depends on the explored components or properties of the field ground that may beneficially or adversely impact crop development. The most frequently-used types analyze and measure:

- **mineral content**
- **pH level, salinity**
- **Moisture**
- **pesticides and chemical contamination**
- **structure and texture, etc**





STUDENTS PERFORMING THE VARIOUS SOIL TESTING PROCEDURES AT GOLLAPUDI SOIL TESTING LB UNDER THE GUIDANCE OF ADA Mrs PADMAJA

Primarily, soil tests are done on the content of nitrogen (N), phosphorus (P), and potassium (K), which are the most important nutrients for crops. Secondary nutrients to examine are calcium (Ca), sulfur (S), and magnesium (Mg). Extended tests were also done by students including minor elements like iron (Fe), manganese (Mg), boron (B), molybdenum (Mo), and others. Students learnt and did all the tests .

The Indian Council of Agricultural Research (ICAR) has suggested 12 parameters as essential for soil health management in India, they are pH, electrical conductivity (EC), Organic Carbon, available N, P, K, S and micronutrients (Zn, Cu, Fe, Mn & B).

Gollapudi soil testing lab associates , agriculture professionals guided students to perform all test procedures on various samples of soil and make them learn and interpret the results .

For 3 students one professional trainer was attached . 11 B.Sc Horticulture students learnt the procedure of soil tests . This training program was very apt for Horticulture students . It benefitted students in many ways . Training given hands-on experience , Laboratory exposure , and skill development for students.

Students acquired knowledge on equipment , working principles, mechanism and also this internship provided much needed team skills, coordination , communication skills

This one month training program given a better much needed industrial exposure to students and students participated in this with much enthusiasm

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY



S.R.R. & C.V.R. GOVT. DEGREE COLLEGE

Autonomous & ISO900: 2015 Certified Institution,
NIRF -2020 ranked 101-150 band and NIRF - 2019: 151-200 rank band Institution

NAAC accredited with 'B+' Grade

Machavaram, VIJAYAWADA - 520 004. Krishna District.

Ph : 0866-2430060, Fax : 0866-2441092, www.srrcvr.org, srrandcvr@gmail.com



DEPARTMENT OF ZOOLOGY

ACTIVITY:

Field trip to under water Fish tunnel Exhibition, Satavahana Grounds, Vijayawada

Objective:

1. To reinforce experiential and contextual learning.
2. To enhance classroom learning by making real world connections.

DESCRIPTION

First year Aquaculture major students visited underwater fish tunnel exhibition held at Satavahana College grounds on 23 rd October 2023 and gained first hand experience on various species of fishes especially ornamental fishes. Ornamental fishes have attractive colors, peaceful nature, tiny sizes, suitable for keeping in captivity and adaptable for living within confined space.

Gold fish, koi carp, guppy, molly, barbs, gourami, clown fish, rabbit fish, marine angels, butterfly fish, lion fish, parrotfish are among the fish species observed by the students.

Outcome:

- ✚ Students gained firsthand experience on the content they learned in the class rooms
- ✚ They got acquainted with the rearing aspects of the ornamental fish cultured in the aquariums
- ✚ Gained some insights on aquarium management





Department of Commerce

Report on

An Awareness Programme on Impact of Dark Patterns and Impulsive Purchases

Date: 16.12.2023

Venue: Mini Conference hall

Organised by : Department of Commerce

Programme Coordinators: Dr. K.Naveena , Dr. C. Bramaiah

No. of Lecturers Participated : 16

No. of Students Participated : 55

Resource Person : Sri Krishna Mohan KS, Freelance writer, Leadership Trainer & Member,
NTR district Protection Council .

Objective : The main objective of the event was to create awareness on Dark Patterns followed in Advertisements.

Description of the activity :

The awareness programme on dark patterns and impulsive purchases was organized for B.Com undergraduate students with aim of educating them about unethical practices used online to manipulate consumer behaviour . The programme highlighted the importance of recognizing and resisting these deceptive tactics to make more informed purchase decisions.

Expected Outcomes:

- Increases awareness among students about the prevalence of dark pattern in online environment .
- Enhanced understanding of the role of impulsive purchases on Personal Financial Management
- Empowerment of students to recognize and resist manipulative tactic used by business.
- Positive feedback from participants on the relevance and impact of the programme.





Certificate Course on
TALLY ESSENTIALS
2023 - 2024



Course Coordinator
Ms. Ch. Lakshmi Bharathi, MCom, MBA

Department of Commerce
SRR & CVR Government Degree College (A)
Vijayawada, NTR Dt., Andhra Pradesh - 520 004.

Certificate Course on Tally Essentials

Course Coordinator: Ms. Ch. Lakshmi Bharathi.
Lecturer in Commerce

No. of teaching hours: 30

No. of students attended: 28

Duration of the course: 26-02-2024 to 16-04-2024

About the course: Tally serves as an accounting software that facilitates the learning process of account maintenance. This course focuses on familiarizing students with the widely-used accounting software, Tally ERP.9. Upon course completion, students can pursue employment opportunities in diverse roles such as Accountant Officer, Tally Operator, Executive Assistant, and Account Executive etc.

Course Objectives: At the end of the course, the student will be able to

1. Gain knowledge regarding concepts of Financial Accounting.
2. Utilize computerized accounting software for real-time applications.
3. Develop skills in accounting and inventory management through Tally.ERP.
4. Independently create a company, and input accounting voucher entries in Tally ERP.9 software.
5. Make adjustment entries through Tally and generate financial statements such as the P&L account and Balance Sheet.

Scheme of Assessment: Theory Examination: 50 marks.
Lab work: 50 marks.

SYLLABUS:

Module 1:-Introduction to Tally:

- 1.1.Introduction, Features and advantages of Tally.
- 1.2 Software versions of Tally
- 1.3 Terminology related to Accounts credit & Debit, Journal, Ledger, Voucher, Group etc.
- 1.4 Golden Rules of Accountancy
- 1.5 Stages of Financial Accounting

Module 2:- Company & Groups in Tally:

- 2.1 Gateway of Tally and Info Manu
- 2.2 Company Creation
- 2.3 Company Features and Configuration
- 2.4 Meaning and Nature of Group
- 2.5 Predefined Groups in Tally
- 2.6 Groups Creation, Alteration, Display
- 2.7 Practical Assignments

Module 3:- Ledgers in Tally:

- 3.1 Ledgers and their Group Allocation
- 3.2 Ledger Creation: Single and multiple Ledgers
- 3.3 Displaying & altering Ledgers
- 3.4 Configure Ledger
- 3.5 Stock Ledger
- 3.6 Practical Assignments

Module 4:- Recording day to day transactions:

- 4.1 Vouchers –types of vouchers
- 4.2 Accounting Inventory Vouchers
- 4.3 Payment voucher, Receipt voucher
- 4.4 Sales voucher, purchase voucher, Journal Voucher, Contra Voucher
- 4.5 Debit & Credit Note
- 4.6 Customizing the Existing voucher types
- 4.7 Alteration and Deletion of Voucher
- 4.8 Practical Assignments

Module 5: Generating Reports from Tally:

- 5.1 Keyboard shortcuts in Tally
- 5.2 Final Accounts
- 5.3 Trial Balance, Day Book, Accounts Book
- 5.4 Statement of Accounts, Inventory Book
- 5.5 Trading and Profit & Loss Account, Balance Sheet
- 5.6 Practical Assignments







List of students :

Sl no	Name	Class & Sem
1	A. Neha Kumar	II Bcom (CA), IV
2	A. Ramya Sri	II Bcom (CA), IV
3	Amreen	II Bcom (CA), IV
4	A. Abhishek	II Bcom (CA), IV
5	A. Chandrika	II Bcom (CA), IV
6	B. Sai Sekhar	II Bcom (CA), IV
7	B. Mahesh	II Bcom (CA), IV
8	B. Akshitha	II Bcom (CA), IV
9	B. Manjusha	II Bcom (CA), IV
10	B.Tulasi Ram	II Bcom (CA), IV
11	Ch. Uday Kiran	II Bcom (CA), IV
12	D. Divya Sri Gayatri	II Bcom (CA), IV
13	D. Sridevi	II Bcom (CA), IV

14	E. Gayathri	II Bcom (CA), IV
15	G. Akshay Kumar	II Bcom (CA), IV
16	G. Avinash	II Bcom (CA), IV
17	G. Emmanuel	II Bcom (CA), IV
18	G. Divya	II Bcom (CA), IV
19	G. Kusuma Kumari	II Bcom (CA), IV
20	G. Lakshmi Prasanna	II Bcom (CA), IV
21	Abdul Shaina	II BCom (A&T), IV
22	B. Hemanth	II BCom (A&T), IV
23	G. Kiran	II BCom (A&T), IV
24	K. Sravani	II BCom (A&T), IV
25	P. Neeraja	II BCom (A&T), IV
26	P. Sirisha	II BCom (A&T), IV
27	T. Eswari	II BCom (A&T), IV
28	V. Kumar	II BCom (A&T), IV

Certificates Issued:



S.R.R & C.V.R GOVT. DEGREE COLLEGE (A)




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VIJAYAWADA, NTR DIST., A.P., INDIA-520004

CERTIFICATE

This is to Certify that Ms/~~Mr~~ K. SRAVANI
of II B.Com A & T 4th Semester, with Regd. No. 22207204
Completed Certificate Course on "**TALLY ESSENTIALS**" from **24-02-2024** to
16-04-2024, Organised by Dept. of Commerce, SRR & CVR GDC (A),
Vijayawada, NTR Dist. A.P.


Co-ordinator

Ch. Lakshmi Bharathi


HOD, Dept. of Commerce

Dr. K. Naveena


COE

Dr. K. Sudhakara Rao


Principal

Dr. K. Bhagya Lakshmi



S.R.R & C.V.R GOVT. DEGREE COLLEGE (A)




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VIJAYAWADA, NTR DIST., A.P., INDIA-520004

CERTIFICATE

This is to Certify that Ms/Mr G. KIRAN
of II B.Com A & T 4th Semester, with Regd. No. 22207203
Completed Certificate Course on "**TALLY ESSENTIALS**" from **24-02-2024** to
16-04-2024, Organised by Dept. of Commerce, SRR & CVR GDC (A),
Vijayawada, NTR Dist. A.P.


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Principal

Dr. K. Bhagya Lakshmi



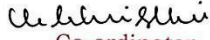
S.R.R & C.V.R GOVT. DEGREE COLLEGE (A)




Re-Accredited with 'A' Grade by NAAC (Cycle 4) - ESTD - 1937
VIJAYAWADA. NTR DIST., A.P., INDIA-520004

CERTIFICATE

This is to Certify that Ms/~~Mr~~ T. ESWARTI
of II B.Com A & T 4th Semester, with Regd. No. 22207209
Completed Certificate Course on **"TALLY ESSENTIALS"** from **24-02-2024 to**
16-04-2024, Organised by Dept. of Commerce, SRR & CVR GDC (A),
Vijayawada, NTR Dist. A.P.


Co-ordinator

Ch. Lakshmi Bharathi


HOD, Dept. of Commerce

Dr. K. Naveena


COE

Dr. K. Sudhakara Rao



Principal

Dr. K. Bhagya Lakshmi

Report on Certificate Course: Stock Market Operations

(Dt...26.02.2024..... To...16.04.2024.....)

The Certificate Course on Stock Market Operations, coordinated by Dr. Achyuta Rama Kishore Olety, is a comprehensive 30-hour program designed to provide students with an in-depth understanding of securities and the functioning of securities markets. This course aims to equip participants with the knowledge and skills necessary to navigate the complexities of the stock market, making informed investment decisions, and engaging effectively in market practices.

The course is structured into five key modules, each focusing on a different aspect of the stock market. The first module introduces the basics of securities and the securities markets, covering fundamental concepts, the roles of various market participants, and the essential functions of these markets. This foundational knowledge is crucial for students to understand the broader financial landscape and the dynamics that drive market activities.

In the second module, students delve into the different types of securities, including equity and debt instruments, hybrid instruments, mutual funds, and exchange-traded funds (ETFs). This section also covers the commodity market and derivatives, providing a broad perspective on the various financial instruments available to investors and their respective market behaviors.

The third module focuses on investment decisions, exploring the factors that influence these decisions, the workings of primary and secondary markets, and the importance of equity research and diversification strategies. This module is particularly valuable for students aiming to develop analytical skills and make strategic investment choices.

The fourth module emphasizes practical skills in security markets practice. Students learn about market structure, participant roles, client acquisition by brokers, and the mechanics of trading platforms, trading accounts, and demat accounts. This hands-on approach ensures that students are well-prepared to engage with brokers and execute trades confidently.

Finally, the fifth module covers mutual funds, ETFs, and derivatives, providing a detailed understanding of these financial products. Students learn about the different types of mutual funds, the underlying concepts in derivatives, and the roles and risks associated with forwards, futures, and options. This knowledge is essential for managing investment portfolios and understanding risk management strategies in the financial markets.

Overall, this certificate course offers a robust educational experience, combining theoretical knowledge with practical skills. It is designed to prepare students for active participation in the stock market, enabling them to make informed decisions and apply security market principles effectively in real-world scenarios. Through this course, participants will gain a comprehensive understanding of the financial markets and the various factors that influence investment success.

This course is offered to all B.Com and BBA students and a total of150.....students enrolled and successfully completed the course.

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Date of Activity	18.12.23
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	Department of Botany in collaboration with Dept of Agriculture, A.P RYSS (Rythu Sadhikara samstha)
Nature of activity (seminar/Workshop/Extn. Lecture etc.	Workshop
Title of the Activity	Organic Agriculture
Name of the Department/Committee	Department of Botany
Details of Resource Persons (Name , Designation etc.,)	Vijayakumari , District Agricultural Officer, Zero Budget Natural farming sector, Rythu Sadhikara Samstha Vijayawada & Anji reddy , Marketing and certification
No of students participated	95
Name of the Lecturers who planned & conducted the activity	Ms G.Swapna ,In charge , Dept of Botany Mrs V.N Padmavathi, Lecturer in Botany Dr Ch.Srinivasa Reddy , Lecturer in Botany
Remarks	This Workshop was very successful as many farmers and agricultural professionals participated and gave awareness to students of Botany and Horticulture . All the faculty of Arts, Commerce & sciences participated and gave positive feedback. This workshop reached its objectives as machavaram area public also participated in this with much enthusiasm

Department of Botany, SRR & CVR Govt Degree College Organized Workshop on 18.12.23 in collaboration with Department of Agriculture , Zero budget natural farming sector , A.P and Community managed Natural Farming (RYSS)

Motive of this program:

Providing awareness on methods of Organic Agriculture and its significance .

"Organic agriculture is a production system that sustains the health of soils, ecosystems and people. It relies on ecological processes, biodiversity and cycles adapted to local conditions, rather than the use of inputs with adverse effects. Organic agriculture combines tradition, innovation and science to benefit the shared environment and promote fair relationships and a good quality of life for all involved..."

Organic farming methods combine scientific knowledge of ecology and some modern technology with traditional farming practices based on naturally occurring biological processes. Organic farming methods are studied in the field of agroecology. While

conventional agriculture uses synthetic pesticides and water-soluble synthetically purified fertilizers, organic farmers are restricted by regulations to using natural pesticides and fertilizers. An example of a natural pesticide is pyrethrin, which is found naturally in the Chrysanthemum flower.

The principal methods of organic farming include crop rotation, green manures and compost, biological pest control, and mechanical cultivation. These measures use the natural environment to enhance agricultural productivity: legumes are planted to fix nitrogen into the soil, natural insect predators are encouraged, crops are rotated to confuse pests and renew soil, and natural materials such as potassium bicarbonate and mulches are used to control disease and weeds. Genetically modified seeds and animals are excluded.

Organic farming is of two types , Integrated organic farming and Pure organic farming

Pure organic farming means avoiding all unnatural chemicals. In this process of farming, all the fertilizers and pesticides are obtained from natural sources such as bone meal or blood meal.

Integrated organic farming includes the integration of pest management and nutrients management to achieve ecological requirements and demands.

In this Workshop on Organic Farming several Organic Agricultural products were displayed . Several Vegetables, fruits, Cereals ,Millets, Spices, Oils were displayed in stalls . Several faculty members and students bought these products .

The staff members of Department of Agriculture, Community managed natural farming Rythu Sadhikara samstha , Zero budget natural farming explained the procedures of several ways of natural farming . Farmers also shared their experiences of natural farming with students .

Faculty members, People of machavaram and Students of Major Botany and Horticulture interacted with Staff of Department of Agriculture , ZBNF (Zero budget natural farming) & RYSS (Rythu sadhikara samstha)

Interactive meeting with Department of Agriculture staff and farmers in mini conference hall and after that Organic products stalls were organized in the college campus .

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Dates	29.2.24
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	Department of Botany
Nature of activity (seminar/Workshop/Extn.	Skill development Certificate Course
Title of the Activity	Certificate Course “ Bio Manures”
Details of Resource Persons (Name , Designation etc.,)	Ms. G.Swapna , Incharge Department of Botany
No of students participated	40
Name of the Lecturers who planned & conducted	Ms. G.Swapna , Incharge Department of Botany

 **S.R.R. & C.V.R. GOVERNMENT DEGREE COLLEGE** 
AUTONOMOUS AND NAAC : A (IV CYCLE)
Institution is ranked by NIRF 101 – 150 band at NIRF – 2020
EMAIL : srrandcvr@gmail.com, vijayawada.jkc@gmail.com PHONE NO : 9618732916 FAX : 0866-2430060
ISO 9001 - 2015 Certified
DEPARTMENT OF BOTANY

CERTIFICATE OF COMPLETION
This certifies that Major Botany/Horticulture student

successfully completed certificate course on
BIOMANURES
for the academic year 2023-2024

Ms G.Swapna
Certificate Course Incharge
Head of the Department , Botany



Department of Botany, S.R.R & C.V.R GDC (A) Vijayawada Organized Skill development activity / training session on bouquet preparation on 29.2.24 in Botany Lab

Report on activity :

Motive :

- Providing practical Exposure to students on Bio manures
- Practical knowledge on synthesis of bio manures
- Applications of bio manures
- Awareness on significance of usage of bio manures

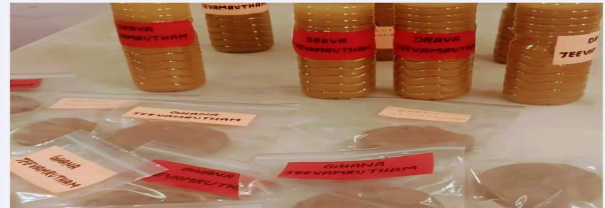
The objectives of using organic fertilizer are to improve the efficiency of fertilizer and provide ameliorant properties . Organic fertilizers promote crop growth, improve soil quality, prevent and control crop diseases, and enhance the structure of the soil microbial community . They have a high percentage of organic matter and rich nutrient components, which can improve the physical properties of the soil, such as aggregate stability and soil bulk density .



Honourable Principal Dr K.Bhagya Lakshmi Garu presenting certificates to students who successfully completed their certificate course on Bio Manures



Department of Botany Incharge and Certificate Course Convener Ms G.Swapna and Faculty presenting certificates to students



SYNTHESIZED BIO MANURES

Organic fertilizers also improve the biological and biochemical properties of the soil, enhancing its fertility and nutrient availability for plants . Additionally, organic fertilizers are environmentally sustainable and do not cause pollution or degradation of air, ground, and water resources .

Bio-Manure provides nutrients in an organic form to plants, which aids in cell division, cell elongation, tillering and vegetative growth. It imparts stress tolerance to withstand adverse abiotic conditions. It induces better flowering and reduces flower dropping and Imparts better organoleptic qualities to the fruit.

For Organizing this program Ms G.Swapna Incharge Dept of Botany guided the students and explained the process . Later students took the initiative and identified the famous and generally used Bio Manures by Farmers .

Students later extracted the information related to the synthesis methods of bio manures like drava jeevamrutham, Ghana jeevamrutham, panchagavya, banana peel fertilizer, egg shell fertilizer and few more bio manures

Students brought all the raw materials like cow dung, cow urine , Bengal gram flour, jaggery banana peels, egg shells for the preparation of bio manures . They prepared various bio manures

They fermented the biomanures , later packed in small bottles and environmental friendly packets Students after preparation of bio manures started distributing to faculty , students of the institut and also to the people of Vijayawada at minimal cost.

Advantages are bio manures are a good source of macronutrients, Improves soil fertility, Cost-effective, Reduces soil erosion and leaching, Improves the physical properties of the soil and aerates the soil, Improves the water and nutrient holding capacity of the soil, It can be transported easily, Methane gas is evolved as the by-product of manure that can be used for cooking and heating purposes and crops grown on the land treated with manure produces healthy crops.

సేంద్రియ వ్యవసాయంపై ప్రత్యేక శిక్షణ



సేంద్రియ ఎరువుల తయారీలో విద్యార్థులు

మధురాసగర్(విజయవాడసెంట్రల్):మాచవరం ఎస్ఆర్ఆర్ అండ్ సీవీఆర్ ప్రభుత్వ డిగ్రీ కళాశాల వృక్ష శాస్త్ర విభాగం ఆధ్వర్యంగా విద్యార్థి దళ నుంచే సేంద్రియ వ్యవసాయంపై అవగాహన పెంచటం తో పాటు ప్రత్యేక శిక్షణ ఇస్తున్నారు. కళాశాల ప్రాంగణంలో పాటు అటవీ ప్రాంతాలు, వ్యవసాయ క్షేత్రాలకు విద్యార్థులను తీసుకెళ్లి ప్రయోగాత్మకంగా వివరిస్తున్నారు. అలాగే కళాశాలలో వృక్షశాస్త్ర విభాగం ఆధ్వర్యంగా బీఎస్సీ హార్టికల్చర్ అండ్ బోటనీ విద్యార్థులకు సేంద్రియ వ్యవసాయంలో

వాడే ప్రకృతి సిద్ధమైన జీవ ఎరువులు తయారీపై 6 వారాల సర్టిఫికేట్ కోర్సు నిర్వహించారు. వివిధ రకాల జీవ ఎరువులు అయిన ద్రవ జీవామ్లతం, ఘన జీవామ్లతం, పంచగవ్య, ఎగ్ షెల్ ఎరువులు నీమస్త్, బ్రహ్మస్త్, అగ్ని ఆస్త్, సప్త ధాన్య కూర కషాయం తయారీ, వాడకం విధానాలను ప్రయోగాత్మకంగా తెలియచేశారు. వృక్ష శాస్త్ర విభాగాధిపతి జి.స్వప్న, అధ్యాపకులు వీఎస్ పద్మావతి డాక్టర్ సీహెచ్. శ్రీనివాస రెడ్డి ప్రత్యేక పర్యవేక్షణలో శిక్షణ కొనసాగింది.

ప్రయోగాత్మకంగా అవగాహన

జీవ ఎరువుల వాడకం వల్ల కలిగే లాభాలు, నేల సారం పెరుగుదల, పంట సమృద్ధి, తక్కువ ఖర్చుతో ఎక్కువ దిగుబడి పొందడం మొదలైన వాటిని విద్యార్థి దళ నుంచే తెలియచేసేందుకు సర్టిఫికేట్ కోర్సు ఉపయోగపడుతుంది. మెరుగైన సమాజస్థాపన, పర్యావరణ పరిరక్షణకు సేంద్రియ వ్యవసాయం తప్పనిసరి. సేంద్రియ వ్యవసాయంలో మెలకువలను ప్రయోగాత్మకంగా తెలియచేస్తున్నాం.



-జి.స్వప్న, సర్టిఫికేట్ కోర్సు సమన్వయకర్త, వృక్ష శాస్త్ర విభాగాధిపతి

కోర్సుకు మంచి స్పందన

వాతావరణ కాలుష్యం వివరీతంగా పెరిగిపోతున్న నేటి రోజుల్లో సేంద్రియ వ్యవసాయం, జీవ ఎరువులు లాంటి ప్రకృతి సమతుల్యతను రక్షించే విధానాల ఆవశ్యకతను తెలుసుకోవాలి. పర్యావరణ పరిరక్షణకు గానూ తాము కళాశాలలో వృక్ష శాస్త్ర విభాగం ఆధ్వర్యంగా సర్టిఫికేట్ కోర్సు నిర్వహిస్తున్నాం. కళాశాలలో విస్తృతంగా ప్రారంభించిన ఈ కోర్సుకు మంచి స్పందన లభించింది.



-డాక్టర్ కె.భాగ్యలక్ష్మి, ప్రిన్సిపాల్





S.R.R. & C.V.R. GOVT. DEGREE COLLEGE

(Autonomous)

Estd : 1937

Machavaram, VIJAYAWADA - 520 004. N.T.R. District, A.P

NAAC 'A' (Cycle-4), ISO 9001:2015 Certified & NIRF Ranked Institution



Certificate course in Clinical Biochemistry

Course starts from 27/9/2023 and ends on 20-11-2023



Certificate distribution to students completed the certificate course

RESOLUTION TAKEN TO START THE CERTIFICATE COURSE IN CLINICAL BIOCHEMISTRY

56

Meet. No: 5

CLINICAL BIOCHEMISTRY
Certificate Course

16/8/23

- Agenda:
- ① To start a new Certificate Course Clinical biochemistry from 27/9/2023
 - ② To complete the course 20/10/2023
 - ③ The duration of the course is 30 days
2 hours/each day.
 - ④ The course fee 500 (1000 ~~course~~ fee 100 exam fee)
 - ⑤ The course is open for V semester students & students from outside, who completed their graduation.

The faculty of dept of Biochemistry met in the department on 16/8/23 to discuss about the Certificate course to start from 27/9/23. It is.


It is resolved to complete the course in 60 hours or 2 hours per day and 30 days

It is resolved to fix the course fee as 400 for purchase of all types reagents and kits to perform the estimations.

The syllabus of the course was approved in

2023-24 BOS concluded on 22nd Aug 2023 & (Documented) presented in 2022-23 BOS.

1/2 dept of Biochem
Sd V Galasen

F. Saroj: 


16-8-2023

SEMESTER-II & IV
UG Practical Examinations, August/September-2023
ATTENDANCE STATEMENT

College Name : **S.R.R. & C.V.R. GOVT. DEGREE COLLEGE(A), VIJAYAWADA**
 Course & Year : **Certificate Course in Clinical Biochemistry**
 Paper Code & Name : **Clinical Biochemistry**
 Max. Marks : **50**
 Date of Exam : **22/11/23** Time: **9.00 AM to 12.00 noon** Batch No: **II**

Sl. No.	REGD. NO.	NAME OF THE CANDIDATE	ANSWER BOOK NO.	SIGNATURE OF THE CANDIDATE
1	Y23CB5016	K. Naga Sriya	02514	K. Naga Sriya
2	Y23CB5017	K. Nandini	02516	K. Nandini
3	Y23CB5018	K. Vijay	02520	K. Vijay
4	Y23CB5019	M. Manjula	02518	M. Manjula
5	Y23CB5020	M. Poojitha	02519	M. Poojitha
6	Y23CB5021	T. Prabhakrishna		
7	Y23CB5022	P. Devi Naga Chandini	02521	P. Devi Naga Chandini
8	Y23CB5023	P. Hemalatha	02522	P. Hemalatha
9	Y23CB5024	P. Manohar	02532	P. Manohar
10	Y23CB5025	P. Ramana Veni	02531	P. Ramana Veni
11	Y23CB5026	R. Akshitha	02523	R. Akshitha
12	Y23CB5027	R. Sai Vardhani	02524	R. Sai Vardhani
13	Y23CB5028	R. Vasanthi	02515	R. Vasanthi
14	Y23CB5029	T. Pravalika	02528	T. Pravalika
15	Y23CB5030	T. Venkata Sai	02525	T. Venkata Sai
16	Y23CB5031	T. Vinetha Sri	02536	T. Vinetha Sri
17	Y23CB5032	U. Pavan	02526	U. Pavan
18	Y23CB5033	Y. Mallikarjuna	02527	Y. Mallikarjuna
19	Y23CB5034	A. Madhava Prasad	02532	A. Madhava Prasad
20	Y23CB502			

No. of Candidates Registered: 19
 No. of Candidates Present : 19
 No. of Candidates Absent : Nil

Dr. A. Pallavi A. Pallavi
 Name & Signature of the External Examiner

E. Sargini Devi

Name & Signature of the Internal Examiner

Signature of the Principal with Seal

Note: Dept. in-charges are requested to arrange for the attendance statement in duplicate. Original Attendance Statement should be submitted to the Exams Cell along with Practical Marks OMR Awards and Duplicate Attendance Statement should be kept with department.

Principal
 S.R.R. & C.V.R. GOVT. DEGREE COLLEGE
 (Autonomous)
 VIJAYAWADA-520 004
 Mob: 98490 99004

Certificates for Clinical Biochemistry certificate course

S.R.R. & C.V.R. GOVT. DEGREE COLLEGE (AUTONOMOUS)
VIJAYAWADA-520004, Andhra Pradesh, India.
NAAC 'A' (CYCLE IV) ESTD.: 1937
An Autonomous College in the Jurisdiction of KRISHNA UNIVERSITY, Machilipatnam, A.P.

GRADE CARD

This Certificate is awarded to

Name : M.PUJITHA

Reg. No : Y23CB5020

For Successful completing the Certificate Course in

Clinical Biochemistry

NOVEMBER 2023

By Dept. Of Biochemistry

With a consolidated score of 100 %

GRADE: A

Grades: Above 70% - A, 60% - 69% - B, 50% - 59% - C, 35% - 49% - D

0030036

Date : _____

CONTROLLER OF EXAMINATIONS
SRR & C.V.R Govt. Degree College (A)
VIJAYAWADA-4.

PRINCIPAL
SRR & C.V.R GOVT. DEGREE COLLEGE
(Autonomous)
Machilipatnam, VIJAYAWADA-520 004

S.R.R. & C.V.R. GOVT. DEGREE COLLEGE (AUTONOMOUS)
VIJAYAWADA-520004, Andhra Pradesh, India.



NAAC 'A' (CYCLE IV) ESTD.: 1937

An Autonomous College in the Jurisdiction of KRISHNA UNIVERSITY, Machilipatnam, A.P.

GRADE CARD

This Certificate is awarded to

Name : A.UPENDRA

Reg. No : Y23CB5001

For Successful completing the Certificate Course in

Clinical Biochemistry

NOVEMBER 2023

By Dept. Of Biochemistry

With a consolidated score of 88%

GRADE: A

Grades: Above 70% - A, 60% - 69% - B, 50% - 59% - C, 35% - 49% - D

0030018

Date :

A.K. Jishu
CONTROLLER OF EXAMINATIONS
SRR & C.V.R. Govt. Degree College (Autonomous)
VIJAYAWADA-4.

Principal
PRINCIPAL
SRR & C.V.R. GOVT. DEGREE COLLEGE
(Autonomous)
Machavaram, VIJAYAWADA-520 004

S.R.R. & C.V.R. GOVT. DEGREE COLLEGE (AUTONOMOUS)

VIJAYAWADA-520004, Andhra Pradesh, India.

NAAC 'A' (CYCLE IV) ESTD.: 1937

An Autonomous College in the Jurisdiction of KRISHNA UNIVERSITY, Machilipatnam, A.P.



GRADE CARD

This Certificate is awarded to

Name : CH. JAYA LAKSHMI

Reg. No : Y23CB5003

For Successful completing the Certificate Course in

Clinical Biochemistry

NOVEMBER 2023

By Dept. Of Biochemistry

With a consolidated score of 96 %

GRADE: A

Grades: Above 70% - A, 60% - 69% - B, 50% - 59% - C, 35% - 49% - D

0030020

Date :

CONTROL OF EXAMINATIONS
SRR & C.V.R. Govt. Degree College (A)

PRINCIPAL
SRR & C.V.R. GOVT. DEGREE COLLEGE
(Autonomous)
Machavaram, VIJAYAWADA-520 004

BACKGROUND WORK

18/11/23

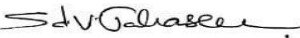
To,
The Principal,
S.R.R & C.V.R Govt. Degree College (A)
Vijayawada.

Respected Madam,

The Department of Biochemistry successfully conducted certificate course in Clinical Biochemistry for the year 2023-24. The course was conducted as per the resolution dated 16/8/2023 in MLT minutes book. 28 students studying semester V from S.R.R & C.V.R GDC (A), five students from outside joined the course. The resolution to conduct the final exam in practical mode was made as per the BoS year 2022-23. The final practical exam is scheduled on 21/11/2023 and 22/11/23 in the morning session (9 am to 12 pm), in this regard the student galley and bank check for 3300 to pay towards controller of examination, S.R.R & C.V.R GDC (A) for the purpose of conduction of exam and certification are submitted to the examination section.

Thanking you madam

Yours Obediently


I/C Dept. Of Biochemistry

Field Trip to Mulapadu Reserve Forest

The Department of Botany at SRR & CVR Government Degree College (A), Vijayawada, is organizing an educational field trip to Mulapadu Reserve Forest in NTR District on October 12, 2023. This field trip involved students specializing in both Botany and Horticulture, aiming to provide a comprehensive learning experience outside the classroom.

Mulapadu Reserve Forest, located in the NTR District of Andhra Pradesh, is a significant natural habitat known for its rich biodiversity and ecological importance. Spanning a considerable area, the reserve forest is characterized by a variety of flora and fauna, making it an ideal location for botanical and ecological studies.

The primary goals of the field trip are to study the diverse flora of Mulapadu Reserve Forest, understand the ecological balance and conservation efforts within the reserve, and offer hands-on experience in fieldwork and research methods. The trip is designed to immerse students in the natural environment, allowing them to observe and document various plant species, focusing on their botanical and horticultural characteristics.

The day's activities will commence with an early morning assembly at the college campus, followed by a departure to Mulapadu Reserve Forest. Upon arrival, students will receive an introduction and briefing from forest officials and local guides, who will provide valuable insights into the reserve's unique ecosystem. The guided tour will include plant identification sessions where students can learn to recognize and classify different species, understanding their roles within the ecosystem.

A lunch break will offer students a chance to relax and reflect on the morning's learnings. The afternoon will be dedicated to group activities, including plant specimen collection for study, hands-on horticultural practices, and interactive sessions with local flora experts. These activities are intended to deepen the students' practical knowledge and skills in both botany and horticulture.

The field trip will conclude with a summary session, where students can discuss their observations and experiences, and a brief discussion on the importance of conservation and sustainable practices. The students will then depart from the reserve and return to the college campus by early evening.

This field trip is expected to have several significant outcomes. Students will gain a deeper understanding of the natural habitat and its biodiversity, enhancing their academic knowledge with real-world observations. They will improve their field research skills, learning to apply theoretical concepts in practical settings. The experience will also foster a greater appreciation for environmental conservation and sustainable practices, encouraging students to become more conscientious and responsible future botanists and horticulturists.

Overall, this field trip to Mulapadu Reserve Forest promises to be an enriching and enlightening experience, contributing substantially to the academic and professional development of the students in the Department of Botany at SRR & CVR Government Degree College (A), Vijayawada.



ప్రయోగాత్మకంగా తెలియజేయడానికి విజ్ఞాన యాత్ర

ముదరాహారే (డిఆయ.వా.డి.సి.ఎం.కె.సి.): విద్యార్థులు తెలుసుకున్న పాఠ్యాంశాలను ప్రయోగాత్మకంగా తెలియజేయడానికి విజ్ఞానయాత్రలు అవసరమైనవి. వనశ్రీలో కళాశాల ప్రెసిడెంట్ భాగ్యలక్ష్మి తెలిపారు. వనశ్రీలోని ఎన్.ఆర్.ఆర్. అండ్ సీ.ఆర్. ప్రభుత్వ డిగ్రీ కళాశాల వ్యవసాయ విభాగం ఆవులూనె పీచిని ద్వితీయ, తృతీయ సంవత్సరం లోటన్, హార్టికల్చర్ విద్యార్థులు పాఠ్య ప్రణాళిలో భాగంగా గురువారం మూలపాడు రిజర్వ్ పార్క్ స్థలం సందర్శించారు. డిగ్రీ ప్రెసిడెంట్ భాగ్యలక్ష్మి ప్రారంభించారు. యాత్రలో విద్యార్థులు వివిధ రకాల వృక్షజాతులను, జీవ వైవిధ్యాన్ని అధ్యయనం చేశారు. మూలపాడు బునార్స్ పార్కును సందర్శించడంతో వివిధ రకాల సి.ఆర్.ఆర్. చిలకలను వాటి జీవిత చక్రంలోని వివిధ దశలను విద్యార్థులు తెలుసుకున్నారు. వృక్ష శాస్త్ర విభాగాధిపతి జి.సన్నప్ప, అధ్యాపకులు వి.నాగవేంద్రారెడ్డి, సీ.హెచ్

మొక్కలను పరిశీలిస్తున్న విద్యార్థులు

శ్రీవినాయక ఆర్ట్స్ కాలేజీలో ఆటోకాల సహకారంతో విద్యార్థులు విజ్ఞాన యాత్రను పూర్తిచేసారు. విద్యార్థులు మూలపాడు రిజర్వ్ పార్క్ స్థలోని వృక్షాలను అనేకంగా పరిశీలించి విజ్ఞానం పెంపొందించుకున్నారు.

Photo and media galley of Mulapadu Reserve Forest



S.R.R. & C.V.R. GOVT. DEGREE COLLEGE

(Autonomous)

Estd : 1937



Machavaram, VIJAYAWADA - 520 004. N.T.R. District, A.P

NAAC 'A' (Cycle-4), ISO 9001:2015 Certified & NIRF Ranked Institution

Cell: 9848251236, © 0866-2430060, website: www.srrcivr.ac.in, E-mail: srrandcivr@gmail.com

Department of Biochemistry

GUEST LECTURE

DATE: 10/11/23

Objectives of the Guest Lecture

1. **To Introduce Bioinformatics:** Provide students with a comprehensive understanding of bioinformatics, its origins, and its integration with biology, computer science, information science, and statistics.
2. **To Highlight High-Demand Areas in Biology:** Educate students on emerging and high-demand areas in biology that are relevant to bioinformatics and computational biology.
3. **To Explain the Milestones in Bioinformatics:** Discuss the key milestones in the development of bioinformatics and its evolution over time.
4. **To Explore OMICS and Informatics Approaches:** Introduce students to the concepts of OMICS and informatics approaches to genomics and their significance in modern biology.
5. **To Educate on Experimental Design and Tools:** Provide insights into experimental design in bioinformatics, RNA sequencing applications, and the tools of genomics and proteomics.
6. **To Motivate Students Towards Computational Biology:** Inspire students to explore computational biology as a potential career path and encourage further learning in this interdisciplinary field.

S.R.R & C.V.R Govt. Degree College , Vijayawada

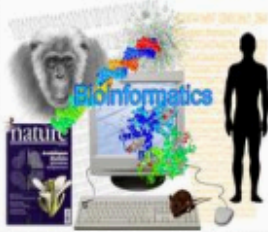
DEPARTMENT OF BIOCHEMISTRY

GUEST LECTURE

DATA DRIVEN BIOLOGY – A BIOINFORMATICS TALK

On 10-11-2023 @ 2 pm

Venue: Mini conference Hall



BY

Dr. N. VENKAT PRASUJA,
SERB YOUNG SCIENTIST AWARDEE

UGC-Assistant Professor
Department of Biochemistry
Acharya Nagarjuna University



On 10/11/23 , the Department of Biochemistry organized a guest lecture on "Data Driven Biology: A Bioinformatics Talk," delivered by Dr. Venkata Prasuja, an Assistant Professor in Biochemistry at Acharya Nagarjuna University. The program was specifically designed for final-year and second-year students of the MBF and MBC groups. Dr. Syed Vaziha Tahaseen, the In-charge of

the Department of Biochemistry, introduced Dr. Prasuja, highlighting his expertise in the field of bioinformatics.

The lecture was chaired by the college Principal, Dr. K. Bhagya Lakshmi, who motivated the students to explore the field of computational biology and emphasized the importance of interdisciplinary learning in modern scientific research. Faculty members, including E. Saojini Devi and Dr. K. Anuradha, were instrumental in making the necessary arrangements for the program.





The lecture focused on the following key topics:

1. **High-Demand Areas in Biology:** Dr. Prasuja began the session by discussing the high-demand areas in biology that are closely linked with bioinformatics. He emphasized

the interdisciplinary nature of bioinformatics and its growing relevance in the modern scientific landscape.

2. **Milestones in the Origin of Bioinformatics:** A brief history of bioinformatics was presented, highlighting the key milestones that have shaped the field. This section helped students understand the evolution of bioinformatics from its inception to its current status.
3. **Integration of Biology, Computer Science, Information Science, and Statistics:** Dr. Prasuja explained how bioinformatics integrates various disciplines such as biology, computer science, information science, and statistics, enabling researchers to analyze complex biological data efficiently.
4. **Introduction to OMICS:** The concept of OMICS, which encompasses genomics, proteomics, transcriptomics, and metabolomics, was introduced to the students. Dr. Prasuja elaborated on how these fields collectively contribute to the comprehensive understanding of biological systems.
5. **Informatics Approaches to Genomics:** The lecture delved into informatics approaches to genomics, explaining how computational tools and techniques are used to interpret and analyze genomic data.
6. **Experimental Design in Bioinformatics:** Dr. Prasuja discussed the importance of experimental design in bioinformatics, particularly in genomics and proteomics research.
7. **RNA Sequencing Applications:** He highlighted the applications of RNA sequencing in biological research and how it plays a crucial role in understanding gene expression and regulation.
8. **Tools and Techniques in Genomics and Proteomics:** The session also covered various tools and techniques used in genomics and proteomics, providing students with a practical perspective on bioinformatics research.



The guest lecture concluded with an interactive Q&A session, where students actively participated, asking insightful questions about the applications and future trends in bioinformatics. Dr. Prasuja's expertise and engaging delivery left a positive impact on the

students, inspiring them to pursue further studies and careers in computational biology and related fields.

Overall, the guest lecture was a great success, providing students with valuable knowledge and motivating them to consider bioinformatics as a potential career path.

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Name	Sign
G. Venkatalakshmi	Venkatalakshmi
S. Saanya	S. Saanya
M. Sujala Ssi	M. Sujala ssi
M. Kirithi	M. Kirithi
L. Divya Sii	L. Divya Sii
K. Siri	K. Siri
D. Hlyma	D. Hlyma
k. Bharu	k. Bharu
M. Lahari	M. Lahari
R. Sai Uardhani	R. Sai Uardhani
K. Geetha	K. Geetha
M. Pujitha	M. Pujitha
CH. Deepika	CH. Deepika
M. Manjula	M. Manjula
M. Lalitha	M. Lalitha
P. Angel	P. Angel
P. Prathya	P. Prathya
K. Naga Sriya	K. Naga Sriya
CH. Likitha	CH. Likitha
P. Shinyraj	P. Shinyraj
M. Anaya	M. Anaya
M. Akanksha	M. Akanksha
B. Kalpana	B. Kalpana
P. Chandini	P. Chandini
J. Srisha	J. Srisha
B. Rohini	B. Rohini
J. Indira	J. Indira
G. Divya	G. Divya
S. Ratna Sushma	S. Ratna Sushma
M. Simaleela	M. Simaleela

J. Sunil Kumar

SK. Shameed Basha

SK. Rasool Sadiq

K. Srinivas

Mr. Kishore

P. Vijay Kumar

Ch. Vijay

Ch. Gopi

A. Jaswath

~~K. Vinay~~

C. Jashna

P. Kishan

V. Williamkany

G. Revanth Kumar

J. Ramprasad

Mallikarjuna Yasam (SK. sen)

K. Vijay

G. Anil Kumar

J. Sunil Kumar

SK. Shameed Basha

SK. Rasool Sadiq

Srinivas

Kishore

Vijay

Ch. Vijay

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A. Jaswath

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C. Jashna

P. Kishan

V. Williamkany

G. Revanth Kumar

J. Ramprasad

Mallikarjuna Yasam

K. Vijay

G. Anil Kumar

SRR & CVR Government Degree College

An Autonomous & ISO 9001: 2015 Certified Institution:: Ranked by NIRF in 101-150 band at NIRF-2020 & 151-200 band in NIRF 2019 NAAC accredited Institution with grade B+ with C.G.P.A 2.6 during March, 2017
Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Date of Activity	18.12.23 (2.00-3.00 pm)
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	Department of Botany in collaboration with Dept of Agriculture, A.P RYSS (Rythu Sadhikara samstha)
Nature of activity (seminar/Workshop/Extn. Lecture etc.	Guest Lecture
Title of the Activity	Natural Farming
Name of the Department/Committee	Department of Botany
Details of Resource Persons (Name , Designation etc.,)	Vijayakumari , District Agricultural Officer, Zero Budget Natural farming sector, Rythu Sadhikara Samstha Vijayawada , Anji reddy , Marketing and certification , 4 Farmers
No of students participated	80
Name of the Lecturers who planned & conducted the activity	Ms G.Swapna ,In charge , Dept of Botany Mrs V.N Padmavathi, Lecturer in Botany Dr Ch.Srinivasa Reddy , Lecturer in Botany
Remarks	This Guest Lecture on natural farming was very useful and informative as many farmers and agricultural professionals shared their practical knowledge on natural farming and gave awareness to students of Botany and Horticulture .

Department of Botany, SRR & CVR Govt Degree College Organized Guest Lecture on 18.12.23 from 2.00-3.00 pm in collaboration with Department of Agriculture , Zero budget natural farming sector , A.P and Community managed Natural Farming (RYSS)

Motive of this program:

Providing awareness on methods of natural farming and its significance .

Natural Farming is a chemical-free farming system rooted in Indian tradition enriched with modern understanding of ecology, resource recycling and on-farm resource optimization. It is considered as an agroecology based diversified farming system which integrates crops, trees and livestock with functional biodiversity.

It is largely based on on-farm biomass recycling with major stress on biomass mulching, use of on-farm cow dung-urine formulations; maintaining soil aeration and exclusion of all synthetic chemical inputs. Natural farming is expected to reduce dependency on purchased inputs. It is considered as a cost- effective farming practice with scope for increasing employment and rural development.

This Guest Lecture topic Natural farming objectives are

- **Preserve natural flora and fauna**
- **Restore soil health and fertility and soil's biological life**
- **Maintain diversity in crop production**
- **Efficient utilization of land and natural resources (light, air, water)**
- **Promote natural beneficial insects, animals and microbes in soil for nutrient recycling and biological control of pests and diseases**
- **Promotion of local breeds of livestock integration**
- **Use of natural / local resource-based inputs**
- **Reduce input cost of agricultural production**
- **Improve economics of farmers**



Guest Lecture in mini conference room . Nearly 150 students and faculty participated
Interactive meeting with Department of Agriculture staff and farmers in mini conference

Honourable Principal Dr K. Bhagya Lakshmi garu addressed the students of Botany and Horticulture on the significance of Natural farming.

Later Mrs Vijaya Kumari , District Agricultural Officer, Zero Budget Natural farming sector, Rythu Sadhikara Samstha, vijayawada gave powerpoint presentations on types of natural farming , differences between natural farming and organic farming and the advantages and disadvantages.

Later Mr Anji Reddy , Marketing and certification area agricultural marketing expert , shared his experiences in natural farming and zero budget farming with plant sciences student community.

Later 4 Farmers who were doing natural farming for 20 years shared their success stories , achievements with students and faculty .

The staff members of Department of Agriculture, Community managed natural farming Rythu Sadhikara samstha , Zero budget natural farming explained the procedures of several ways of natural farming . Farmers also shared their experiences of natural farming with students .

Faculty members, People of machavaram and Students of Major Botany and Horticulture interacted with Staff of Department of Agriculture , ZBNF (Zero budget natural farming) & RYSS (Rythu sadhikara samstha)

Later students of Botany and Horticulture interacted with farmers and expressed their concerns on natural farming .

Farmers from NTR district shared their opinions on various crops , the challenges they faced , the benefits of natural farming crop wise , area wise and shown the statistical data in their villages .Few Arts and commerce departments staff expressed their doubts on natural farming and their opinions .

SRR & CVR Government Degree College

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Dates	14.2.24
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	Department
Nature of activity (seminar/Workshop/Extn. Lecture etc.	Community Awareness Program/ Best Practice
Title of the Activity	Medicinal Plants Drive
Name of the Department/Committee	Department of Botany
Details of Resource Persons (Name , Designation etc.,)	B.SC BZC & BHC Students
No of students participated	70
Name of the Lecturers who planned & conducted the activity	Planned and Organized by Ms. G.Swapna , Incharge Department of Botany Mrs V.N. Padmavathi , Lecturer in Botany Dr Ch. Srinivasa Reddy ,Lecturer in Botany
Remarks	This Community awareness activity Medicinal Plants drive was much beneficial for Botany and Horticulture students. It was a huge success and got all student, faculty and Public support and suggestions

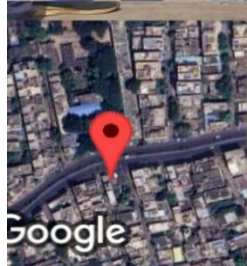
Department of Botany, S.R.R & C.V.R GDC (A) Vijayawada Organized COMMUNITY awareness activity Medicinal plants drive on 14.2.24 in and around Machavaram areas

Report on activity :

Motive :

- **Providing Practical Exposure to students**
- **Awareness on Medicinal Plants Significance**
- **Knowledge on various areas in Pharmacognosy**
- **Increasing Communication skills and interpersonal skills .**

Honorary principal madam Dr K. Bhagaya Lakshmi inaugurated the student drive along with Ms G. Swapna H.O.D Dept of Botany and the Faculty member Dr. Ch. Srinivasa Reddy . Students Giving Seeds and Pamphlets to Honorable Principal Madam

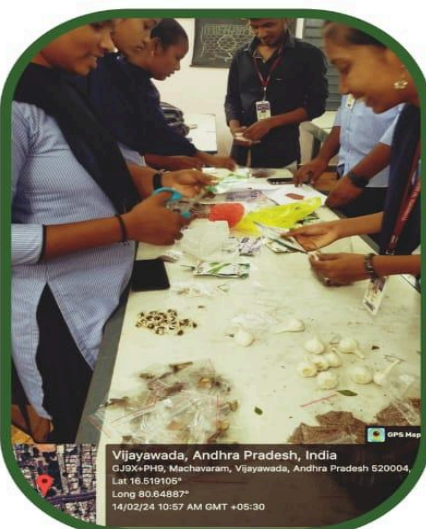


Vijayawada, Andhra Pradesh, India
GJ9X+GJX, Machavaram, Vijayawada, Andhra Pradesh 520004, India
Lat 16.518859°
Long 80.649153°
14/02/24 11:41 AM GMT +05:30

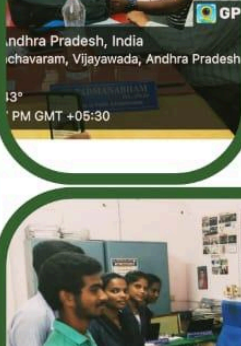
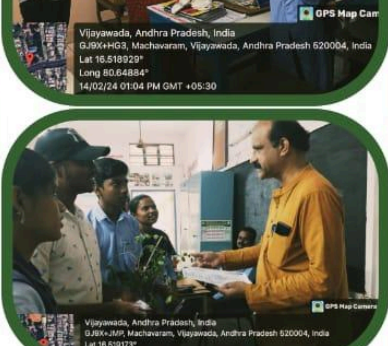
For Organizing this program students took the initiative and identified the required medicinal plants for the drive in the college premises and surrounding areas along with their useful parts .

Students later extracted the information related to medicinal uses of the plants and prepared the pamphlets with taxonomical data for distribution in native language .

Students also collected the vegetable seeds with medicinal properties and made them into packets suitable for distribution in surrounding areas . They organized all the plant material, seeds and pamphlets in a systematic manner



Later all the B.Sc BZC Students were divided into 6 Batches . 2 Batches organized drive in campus among all the faculty members and students in the campus and the remaining 4 batches went to different areas in Machavaram, Vijayawada to organize the drive



Students distributing pamphlets and seeds and saplings of medicinal plants to faculty of S.R.R & C.V.R GDC (A), Vijayawada

70 Students took nearly 30 Medicinal plants information and their uses in the form of Pamphlets and distributed them among the public to create awareness among them about the role of these medicinal plants in curing normal ailments in daily life .



Students distributing pamphlets and seeds and saplings of medicinal plants to faculty of S.R.R & C.V.R GDC (A) , Vijayawada

Students divided into 10 batches and 8 Batches visited Machavaram surrounding areas and distributed Plant seeds material and herbs and explained to the people about the significance of those medicinal plants and the need for the conservation of plants . They distributed Pamphlets also to the public .

2 Batches of students visited all the departments in the college premises and distributed Plant seeds material and herbs and explained to the people about the significance of those medicinal plants and the need for the conservation of plants . They distributed Pamphlets also to the public which carries Lot of information about medicinal uses especially for Maternal and Child health care, as essential drugs, in food and nutrition, for common illnesses and injury, for endemic infectious diseases, mental health and oral health.

The drive was received well by the faculty and students in the college and public from areas in Machavaram. Students who went in batches analyzed the public thoughts and opinion on Herbal Medicinal plants and were successful in organizing this community drive.

This awareness program met its objectives. Students successfully went into public and tried to bring awareness o medicinal uses of plants and the significance of planting them in their houses , conserving the medicinal plants . Public also received the students well and given good feedback

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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Mushroom cultivation Report

Introduction: In pursuit of practical learning opportunities, 25 botany students engaged in a mushroom cultivation project at Department of Botany, SRR & CVR Government Degree College. The initiative focused on the cultivation of Oyster mushrooms over a period of three months from November 2023 to January 2024 under the guidance of Dr.Ch.Srinivasa Reddy, Lecturer in Botany. This report outlines the student activity and their contributions to the project.

Student Activity Overview: The mushroom cultivation project involved students actively participating in various stages of cultivation, including substrate preparation, inoculation, maintenance, monitoring, and harvesting. Under the guidance of faculty members, students were organized into teams to ensure efficient management of tasks and foster collaborative learning.

Key Activities:

Substrate Preparation: Students assisted in preparing the substrate by mixing agricultural waste materials such as wheat straw, sawdust, and gypsum. They learned about the importance of substrate composition in supporting mushroom growth.

Inoculation: Using sterile techniques, students inoculated Oyster mushroom spores into the prepared substrate. They gained practical experience in handling and distributing spores evenly throughout the substrate.

Maintenance: Students actively monitored environmental conditions including temperature, humidity, and light exposure to create an optimal growth environment for the mushrooms. They learned to adjust conditions as needed to promote healthy mushroom development.

Monitoring and Data Collection: Throughout the cultivation period, students diligently recorded observations regarding mycelial colonization, fruiting body formation, growth rates, and any challenges encountered. Data collection enabled students to analyze trends and make informed decisions regarding cultivation practices.

Harvesting: As mushrooms reached maturity, students participated in harvesting activities, carefully collecting mature fruiting bodies to ensure quality and maximize yield.

Learning Outcomes: Engagement in the mushroom cultivation project provided students with valuable hands-on experience and insights into various aspects of agriculture and mycology. Key learning outcomes include:

- Understanding of mushroom cultivation techniques and principles.
- Appreciation of the environmental factors influencing mushroom growth.
- Development of problem-solving skills through addressing challenges encountered during cultivation.
- Enhancement of teamwork and communication skills through collaborative project participation.

Conclusion: The student-led mushroom cultivation activity at Department of Botany, SRR & CVR Government Degree College exemplifies the commitment to experiential learning and practical skill development within the botany curriculum. Through active involvement in all stages of cultivation, students gained invaluable insights into agricultural practices and mycology, preparing them for future endeavors in the field.

This report serves as documentation of the significant contributions made by botany students to the mushroom cultivation project and highlights the importance of experiential learning in academic settings.



Glimpse of Mushroom cultivation

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DEPARTMENT OF BOTANY

Dates	28.2.24
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	Department
Nature of activity (seminar/Workshop/Extn. Lecture etc.	Extension activity
Title of the Activity	National Science Day
Name of the Department/Committee	Department of Botany
Details of Resource Persons (Name , Designation etc.,)	Ms. G.Swapna , Incharge Department of Botany
No of students participated	60
Name of the Lecturers who planned & conducted the activity	Planned and Organized by Ms. G.Swapna , Incharge Department of Botany Mrs .N. Padmavathi , Lecturer in Botany
Remarks	This extension activity on Plant propagation practices was very beneficial for Botany and Horticulture students .

Department of Botany, S.R.R & C.V.R GDC (A) Vijayawada Organized Skill development activities on various plant propagation practices on 28.2.2024 , National Science Day

Report on activity :

Objectives :

- **Providing Practical Exposure to students on plant propagation**
- **Significance of plantation**
- **Knowledge on plant propagation practices**
- **Hands on Terrace Garden /Roof Garden**
- **Hands on Bio fertilizers synthesis**
- **Hands on Nutrition Garden**
- **Herbal Garden initiation**
- **Hands on Nursery Beds**
- **Hands on Olericulture and Floriculture**

Plant propagation is the process in which new plants can grow from old ones through a variety of methods such as collecting seeds, cuttings, or other parts of plants. These propagations are applicable in many situations, from home gardening to cloning plants or even creating hybrids.

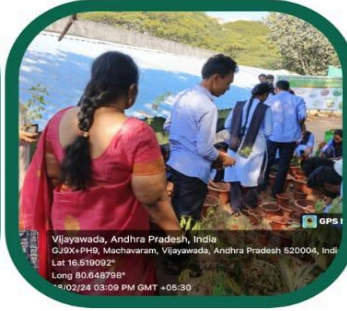
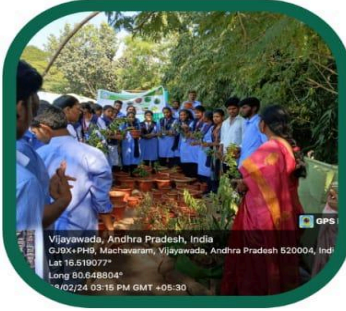
Propagation is important today as it enables the continuation of particular plant species that may be in danger of extinction for several reasons such as an invasion of species or climate change.

Techniques for vegetative propagation includes Air or ground layering , Division , Grafting and bud grafting, widely used in fruit tree propagation , Micropropagation , Offsets ,Stolons (runners) Storage organs such as bulbs, corms, tubers, and rhizomes , Striking or cuttings,Twin-scaling

Shade net houses aid in cultivating vegetables, flowers, and fruits in the off-season regardless of the climatic conditions. The net house helps maintain a required temperature for efficient and better plant growth. When we are short on space for productive plants and garden beds are already full, grow bags could be a simple solution to squeeze in more plants, anywhere. Grow bags are a great solution to a space problem, especially in smaller gardens with limited room and budget

Light, humidity, temperature and CO₂ levels can be controlled with the help of these nets. Prevents excessive drying of agricultural products. Shade nets provide cooling via transpiration. It also controls humidity and makes the ambiance suitable inside the nets for plant growth and development.

**Department of Botany Incharge Ms G.Swapna and Mrs V.N Padmavathi
Lecturer in Botany along with Students of major Botany and Horticulture in
Plant Propagation in Herbal Garden of Dept of Botany regarding
National Science Day 28.2.2024**







Students involving in Shade net works and Biofertilizer synthesis works

SRR & CVR Government Degree College

An Autonomous & First Grade College established in the year 1984, situated in the heart of Machilipatnam, Machilipatnam, Vijaya Vittala, Krishna District, AP-520 004.



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Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY

Dates	July 2023
Conducted through (DRC/JKC/ELF/NCC/NSS/ Departments etc.	Department
Nature of activity (seminar/Workshop/Extn. Lecture etc.	Skill development
Title of the Activity	Ornamental Horticulture
Name of the Department/Committee	Department of Botany
Details of Resource Persons (Name , Designation etc.,)	Ms G.Swapna
No of students participated	60
Name of the Lecturers who planned & conducted the activity	Planned and Organized by Ms. G.Swapna Lecturer In Charge
Remarks	This skill development/Entrepreneurship activity has gained much appreciation for student efforts and increased student enthusiasm

Department of Botany, SRR & CVR Govt Degree College planned and executed a skill development program especially with Horticulture students in July and September 2023 .

Objectives of the Activity:

- ❖ **Hands-on Ornamental Horticulture**
- ❖ **Ability to enhance skills related to Growth Bag cultivation**
- ❖ **Enhancing plant propagation skills stagewise through vegetative propagation**
- ❖ **Experiential learning in horticultural concepts**
- ❖ **Hands-on Shade Net cultivation**

In horticulture Ornamental horticulture consists of floriculture and landscape horticulture. Each is concerned with growing and marketing plants and with the associated activities of flower arrangement and landscape design.

Ornamental plants are used as decoration materials in birthdays, marriages, ceremonies, reception, get together, and farewells. Ornamental plants increase the beauty of homes, offices, gardens and many other institutions.

They provide shade and beauty around homes, schools, markets and shopping areas, places of work, along streets and highways, in city parks and other areas. They also help conserve energy and the quality of air, water and soil.

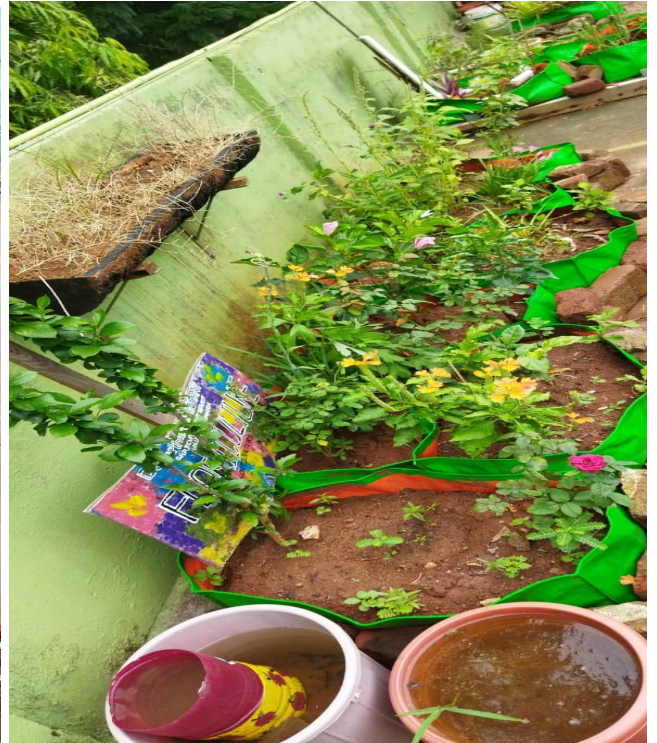
In Landscape horticulture students had hands-on experience on growing, maintenance, and design. Growing of plants for landscape is called the nursery business, the growing and establishment of any young plant before permanent planting.

The nursery industry involves production and distribution of woody and herbaceous plants and is often expanded to include ornamental bulb crops, corms, tubers, rhizomes, and swollen roots as well as true bulbs.

Cuttings have been propagated in shade net for indoor use . While most propagated plants are ornamental, some includes fruit plants and certain perennial vegetables used in home gardens.

Ornamental gardens tend to have a sturdier landscape as the different plants help maintain a balance in the foundation of the soil. Ornamental plants improve the aesthetic appeal of the garden property but they also act as wind barriers providing great quality of space.

B.SC BZC AND HORTICULTURE STUDENTS ORNAMENTAL FLOWERING PLANTS PROPAGATION - HANDS-ON EXPERIENCE





B.SC BZC AND HORTICULTURE STUDENTS ORNAMENTAL LEAFY VEGETABLES AND FRUIT PLANTS PROPAGATION - HANDS-ON EXPERIENCE





B.SC BZC AND HORTICULTURE STUDENTS ORNAMENTAL FLOWERING PLANTS PROPAGATION USING GROWTH BAGS - HANDS-ON EXPERIENCE





**ORNAMENTAL PLANT PROPAGATION UNDER THE GUIDANCE OF
MS. G.SWAPNA , INCHARGE DEPT OF BOTANY**

B.Sc Botany and Horticulture students participating regularly in Plant Propagation practices since April 2023 under shade net and also with growth bags .

Students cultivated various flowering plants and Leafy vegetables along with ornamental plants for their project works and Assignments . This experience exposes the students to real time cultivation experiences and face the challenges .

Students are very enthusiastic and actively participated in ornamental horticultural practices and had much practical experience stage by stage during plant propagation .

SRR & CVR Government Degree College

An Autonomous & ISO 9001: 2015 Certified Institution:: Ranked by NIRF in 101-150 band at NIRF-2020 & 151-200 band in NIRF 2019 NAAC accredited Institution with grade B+ with C.G.P.A 2.6 during March, 2017

Machavaram, Vijayawada, Krishna District, AP-520 004



DEPARTMENT OF BOTANY



The students of SRR & CVR Govt. Degree College (A), Vijayawada have actively taken part in the Cyber Smart, Cyber Security Certification Program, an initiative of CCE (Commissionerate of Collegiate Education), on 17-10-2023.



The Skill Hub of APSSDC provided three months of free training in Software Developer Course to unemployed youth at SRR & CVR Government Degree College. In Batch III, twenty-two members enrolled, with twenty-one successfully completing the course. A valedictory ceremony on January 24, 2024, celebrated their achievement. In Batch IV, thirty members completed the course, with a valedictory ceremony on January 25, 2024. Principal Dr. K. Bhagya Lakshmi, APSSDC Skill Hub SPOC G. Vijay Deep, Hub Coordinator Ravi Teja, and Trainer Sarada Lakshmi extended warm congratulations to all trainees, highlighting their dedication and commitment.



As part of National Energy Conservation Week celebrations, collaborating with APCOST Regional Science Center, on 14-12-2023 the Dept. of Physics and Electronics has organized a program through which the students have got an opportunity to observe the Nuclear and Solar Energy generation Models.



Department of Physics and Electronics, on 15th April organized an International webinar on Nanotechnology. The webinar helped the participants to explore the domain of nanotechnology and its multifaceted applications.

SRR & CVR Government Degree College (A) :: Vijayawada

**Life Skills & Skill Development Courses 2023-24
(Awareness of Trends in Technology)**

Syllabi

No. of Students Appeared/Enrolled & Passed

SRR & CVR Government Degree College (Autonomous), Vijayawada.
Department of Commerce and Business Management
I Year B.Com (Finance), – Semester-II, SKILL COURSE

SYLLABUS

Course code-MS M-.....

Title of the Course: **DIGITAL LITERACY** (w.e.f. 2023-24)

No. of Lecture hours/week	02	Continuous Internal Assessment (CIA)	NIL
No. of Credits	02	Semester End Evaluation (SEE)	50
Total number of lecture hours	30	Total Marks	50
Exam Hours : 02			

Course Outcomes: By undergoing the Digital Literacy course, one should acquire basic knowledge on Computer and he/she is able to

- CO1: Perform operations on the computer
- CO2: Access the Internet and finding information of interest
- CO3: Register for an E-mail account and operating it
- CO4: Make bill payments and use other applications of Internet
- CO5: Create, edit and format documents using a word processor

Unit-1: operate the elements of a computer and performing operations on the computer: Operate the elements of a computer including power cord, power switch, network connecting cable, USB ports, Mouse operations, Keyboard operations, interface icons, GUI elements, Editing options, perform operations including switching on the computer, logging in, locating a file, opening a file, printing a document, storing a file with proper extension, creating a folder/ sub folder in a volume on hard disk and desktop, shifting files from one folder to another, shutting off the computer

Unit-2: Access the Internet to browse information and E-mail operation: Access the Internet, use a search engine, find information on the topic of interest, register for a web-based E-mail account, access E-mail with attachments, reply to an E-mail, forward an E-mail and delete an E-mail message

Unit-3: Make bill payments, other applications using Internet and word processing: Make utility bill payments, booking bus/train tickets, bank transactions, personal transactions, job search through employment portals, mobile/DTH recharge, word processing basics, creating, editing and formatting of text, saving and printing of word document

7

SRR & CVR Government Degree College (Autonomous), Vijayawada.
Department of Commerce and Business Management
I Year B.Com (Finance), – Semester-II, SKILL COURSE

SYLLABUS

Course code-MS M-.....

Title of the Course: **MARKETING SKILLS** (w.e.f. 2023-24)

No. of Lecture hours/week	02	Continuous Internal Assessment (CIA)	NIL
No. of Credits	02	Semester End Evaluation (SEE)	50
Total numbers of lecture hours	30	Total Marks	50
Exam Hours : 02			

Course Objective: This course will help the students to develop a better appreciation and understanding of the role of marketing in a business organization specifically, and able to have operational skills of various marketing activities.

Learning Outcomes: The learner is able to:

1. Formulate a marketing plan that will meet the needs or goals of a business or organization and Conduct market research to provide information needed to make marketing decisions.
2. Understand different strategies for effective design of Marketing Mix;
3. Know the Sales Skills including effective personal selling skills;

Unit I: Introduction to Marketing: Core Marketing Concepts – Company Orientation towards the Marketplace – The Holistic Marketing Concept - Marketing Management Tasks; Marketing Environment: Macro and Micro Components and their Impact on Marketing Decisions – Marketing Research and Information; Market Segmentation, Targeting and Positioning Strategies - Determinants of Consumer Behaviour;

Unit II: Marketing Mix: Elements of Marketing Mix - Product, Price, Promotion and Place, 7P's of Service Marketing Mix; Product: Classification of Products - Product Life Cycle - New Product Development – Branding Decisions; Price: Pricing Strategies: Understanding Pricing – Steps in setting the Price - Price Adapting Policies, and Initiating and Responding to Price Changes: Promotion: Marketing Communications, Promotion Mix Elements: Advertising, Sales Promotion, Personal Selling, Events and Experiences, Public Relations and Publicity, Online and Social Media Marketing; Place: Marketing Channels: Channel Functions and Flows, Channel Management Decisions.

Unit III: Nature and Role of Selling: Importance of Selling, Nature and Role of Selling: Importance of Selling – Role in the Context of Organization; Attributes of a Good Salesperson: Personality and Physical Characteristics, Enthusiasm, Confidence,

2. Fundamentals of Digital Marketing:-

Module 1. Digital Marketing Strategy

- a.) Marketing Frameworks
- b.) Strategy

Module 2. Multi-Sided Platforms & Social Media

- a.) Multi- Sided Platforms
 - b.) Social Media
-

Module 3. Outbound Marketing

- a.) Search Engine Marketing
- b.) Display

Module 4. Multi- Channel & Attribution

- a.) Mobile Marketing
- b.) Omnichannel Marketing
- c.) Attribution



S.R.R. & C.V.R. GOVT. DEGREE COLLEGE (A)
NAAC accredited with 'A' Grade
Machavaram, VIJAYAWADA - 520 004, Krishna District.
DEPARTMENT OF ECONOMICS
SKILL COURSE- UG (B.A. & B.SC) –SEMESTER – II
STOCK MARKET OPERATIONS



8

Credits: 2

2 hrs/week

Course Objectives:

This course aims at giving a comprehensive understanding on the stock market operations in terms of its structure, trading, settlement procedures, processes and related components and the regulations, emerging challenges in the Indian Stock market.

UNIT - I

Markets – Introduction- Types of Markets; Primary Market: Meaning, Functions, Intermediaries - Role of Primary Market –New Issues Market –IPO's –Recent trends in Primary Market – Secondary Market: Functions, Various Stock Exchanges in India (BSE, NSE) and Regulatory framework– SEBI– Listing conditions–Secondary Market Intermediaries.

UNIT - II

Stock Exchanges BSE, NSE & MCX –Different Trading Systems – DEMAT- Different types of Settlements –De-mat Settlement –Physical settlement - Pay-in and Pay-out –Bad Delivery –Short delivery –Auction –Market types, Order types and Books.

UNIT – III

Stock Market Indices: Meaning, Purpose, and Construction in developing Index – Methods– Stock Market Indices in India – Scrip selection criteria for BSE Sensex and NSE S&P CNX Nifty. Overview: Derivatives, Commodity and Currency market.

Hands on Activities:

1. Detailed Group/Individual presentations on current year IPOs.
2. Demonstration of Stock Trading (Simulation).
3. Practical sessions on stock market operations

References:

1. Punithavathy Pandian, Security Analysis and Portfolio Management, Vikas Publishing House Pvt. Ltd.
2. Prasanna Chandra, Investment Analysis and Portfolio management, Tata McGraw Hill, 3rd Edn., 2008.
3. 3.V. A. Avadhani, Investment and Securities Market in India, Himalaya Publishing House.
4. Sanjeev Agarwal, A Guide to Indian Capital Market, Bharat Publishers.
5. Ravi Puliani and Mahesh Puliani, Manual of SEBI, Bharat Publication.

4. Financial Markets and Products:-

1. Module 1, Incomplete section

1. LESSON 1: UNDERSTANDING FINANCIAL MARKETS, Incomplete
2. LESSON 2: SECURITIES MARKET, Incomplete
3. LESSON 3: INVESTMENT CONCEPTS & ASSET CLASS, Incomplete

2. Module 2, Incomplete section

1. LESSON 4: BASICS OF RISK AND RETURN, Incomplete

2. LESSON 5: FINANCIAL INVESTMENT PRODUCTS, Incomplete

3. Module 3, Incomplete section

1. LESSON 6: BASICS OF BONDS, Incomplete
2. LESSON 7: TREASURY BILLS AND CALL MARKET, Incomplete
3. LESSON 8: COMMERCIAL PAPER, CERTIFICATE OF DEPOSIT AND REPOS

SYLLABUS FOR edX COURSES - IV SEMESTER

1. Computer Science 101

Week 1, Incomplete section

1. Welcome (start here), Incomplete
2. Introduction, Incomplete
3. Code Writing, Incomplete
4. Code Variables, Incomplete
5. Digital Images, Incomplete
6. Image Code, Incomplete

Week 2, Incomplete section

7. Image For-Loop, Incomplete
8. Image Expressions, Incomplete
9. Image Puzzles, Incomplete
10. Grayscale Images, Incomplete

Week 3, Incomplete section

11. Image Logic, Incomplete
12. Image Bluescreen, Incomplete
13. Computer Hardware, Incomplete

14. Optional Video: Moore's Law Flashlight
(2:35), Incomplete
15. Optional Video: How a Hard Drive Works
(6:00), Incomplete
16. Bits and Bytes, Incomplete
17. Kilobytes Megabytes
Gigabytes, Incomplete
18. Make Your Own Bluescreen
(optional), Incomplete

Week 4, Incomplete section

19. Software, Incomplete
20. Computer Languages, Incomplete
21. Computer Networking, Incomplete
22. The Internet - TCP/IP, Incomplete
23. Table Data, Incomplete

Week 5, Incomplete section

24. Table startsWith endsWith, Incomplete
25. Table Boolean Logic, Incomplete
26. Table Counting, Incomplete
27. Table Counting Multiple, Incomplete
28. Analog and Digital, Incomplete

Week 6, Incomplete section

29. Analog and Digital Part 2, Incomplete
30. Digital Media, Incomplete
31. Spreadsheets, Incomplete

-
32. Computer Security, Incomplete
 33. Conclusions

SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA - 530004
2, 4, 6, SEMESTER END EXAMINATIONS, APR-2024
SUBJECT WISE PERCENTAGES

B A

Sem	Sub Code	Sub Details	Totappr	Totpass	Totfail	%
2	2001	EN2	83	69	14	83.1%
	2002	T2	45	19	26	42.2%
	2003	SA2	6	5	1	83.3%
	2004	HI2	12	11	1	91.7%
	2005	UR2	12	12	0	100.0%
	2015	DL	83	75	8	90.4%
	2017	EDX-1	82	76	6	92.7%
	2114	ME	19	9	10	47.4%
	2115	SH	29	27	2	93.1%
	2116	FPS	17	13	4	76.5%
	2117	EL	9	9	0	100.0%
	2118	PKP	8	8	0	100.0%
	2124	MME	19	13	6	68.4%
	2125	AESF	29	24	5	82.8%
	2126	CIPS	17	15	2	88.2%
	2127	IEL	9	9	0	100.0%
	2128	AKP	8	8	0	100.0%
	2134	ERD	19	18	1	94.7%
	2135	PPT	19	15	4	78.9%
	2136	FPS	10	9	1	90.0%
	2137	IPA	17	15	2	88.2%
	2232	PH	8	8	0	100.0%
	2254	OAT	9	7	2	77.8%

SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA - 530004
2, 4, 6, SEMESTER END EXAMINATIONS, APR-2024
SUBJECT WISE PERCENTAGES

Sem	Sub Code	Sub Details	Totappr	Totpass	Totfail	%
4	4031	EDX-3	88	72	16	81.8%
	4101	EC4	60	59	1	98.3%
	4102	HI4	77	71	6	92.2%
	4103	PO4	61	60	1	98.4%
	4104	SO4	14	14	0	100.0%
	4105	PS4	5	5	0	100.0%
	4106	JO4	5	5	0	100.0%
	4108	PL4	6	6	0	100.0%
	4109	PU4	22	21	1	95.5%
	4110	SE4	5	5	0	100.0%
	4111	ST4	5	5	0	100.0%
	4121	JO4	5	5	0	100.0%
	4122	PL4	6	6	0	100.0%
	4123	PU4	22	17	5	77.3%
	4124	SE4	5	5	0	100.0%
	4141	EC4	63	61	2	96.8%
	4142	HI4	74	66	8	89.2%
	4143	PO4	55	53	2	96.4%
	4144	SO4	14	14	0	100.0%
	4145	SP4	5	5	0	100.0%
	4159	ST4	5	5	0	100.0%


SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA - 530004
2, 4, 6, SEMESTER END EXAMINATIONS, APR-2024
SUBJECT WISE PERCENTAGES

B - Com

Sem	Sub Code	Sub Details	Totappr	Totpass	Totfail	%
2	2001	EN2	228	209	19	91.7%
	2002	T2	144	99	45	68.8%
	2003	SA2	49	41	8	83.7%
	2004	HI2	18	16	2	88.9%
	2005	UR2	6	6	0	100.0%
	2015	DL	228	208	20	91.2%
	2016	EDX-2	228	209	19	91.7%
	2204	FA	163	115	48	70.6%
	2205	FOA	9	9	0	100.0%
	2206	ITS	9	9	0	100.0%
	2207	FDM	22	18	4	81.8%
	2215	BM	46	37	9	80.4%
	2216	FM	5	5	0	100.0%
	2217	IT	9	9	0	100.0%
	2218	EM	24	19	5	79.2%
	2232	PH	9	9	0	100.0%
	2233	PM	153	129	24	84.3%
	2234	FOM	42	35	7	83.3%
	2235	FA	9	8	1	88.9%
	2253	OAT	135	108	27	80.0%

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2, 4, 6, SEMESTER END EXAMINATIONS, APR-2024
SUBJECT WISE PERCENTAGES

Sem	Sub Code	Sub Details	Totappr	Totpass	Totfail	%
4	4032	EDX-4	217	213	4	98.2%
	4201	CA4	186	134	52	72.0%
	4202	BL4	190	164	26	86.3%
	4203	IT4	46	41	5	89.1%
	4204	CMA	175	137	38	78.3%
	4205	AUD	63	53	10	84.1%
	4206	GST4	63	55	8	87.3%
	4211	CMA	14	10	4	71.4%
	4212	MM	14	12	2	85.7%
	4213	BEC4	14	14	0	100.0%
	4214	BL	15	14	1	93.3%
	4215	IB	8	8	0	100.0%
	4216	FS	8	6	2	75.0%
	4221	FS4	2	1	1	50.0%
	4222	FM4	3	2	1	66.7%
	4231	AT4	8	7	1	87.5%
	4241	SEO	6	5	1	83.3%
	4242	AM	7	6	1	85.7%
	4251	DMS4	123	98	25	79.7%
	4253	TXN4	124	99	25	79.8%
	4254	AUD	124	57	67	46.0%


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SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA - 530004
2, 4, 6, SEMESTER END EXAMINATIONS, APR-2024
SUBJECT WISE PERCENTAGES

B.Sc

Sem	Sub Code	Sub Details	Totappr	Totpass	Totfail	%
2	2001	EN2	199	176	23	88.4%
	2002	T2	134	130	4	97.0%
	2003	SA2	47	38	9	80.9%
	2004	HI2	11	9	2	81.8%
	2005	UR2	3	3	0	100.0%
	2015	DL	199	193	6	97.0%
	2017	EDX-1	172	164	8	95.3%
	2309	DEP	15	12	3	80.0%
	2310	MP	6	4	2	66.7%
	2311	FE	6	1	5	16.7%
	2312	GI	13	8	5	61.5%
	2313	BP	7	5	2	71.4%
	2314	PS	43	8	35	18.6%
	2315	ID	13	12	1	92.3%
	2316	TF	20	13	7	65.0%
	2317	BM	17	9	8	52.9%
	2318	NV	17	13	4	76.5%
	2319	FH	21	20	1	95.2%
	2320	IM	18	8	10	44.4%
	2330	ASG	15	15	0	100.0%
	2331	WO	6	2	4	33.3%
	2332	CT	6	5	1	83.3%
	2333	IC	13	8	5	61.5%
	2334	GO	7	5	2	71.4%
	2335	DL	42	34	8	81.0%
	2336	DS	13	13	0	100.0%
	2337	BF	20	16	4	80.0%
	2338	CB	17	11	6	64.7%
	2339	OD	17	13	4	76.5%
	2340	FS	21	20	1	95.2%
	2341	BV	18	8	10	44.4%
	2342	PS	43	11	32	25.6%
	2343	DEP	34	25	9	73.5%
	2344	MP	8	4	4	50.0%
	2345	DSP	13	13	0	100.0%

SRR & CVR GOVT. DEGREE COLLEGE (A), VIJAYAWADA - 530004
2, 4, 6, SEMESTER END EXAMINATIONS, APR-2024
SUBJECT WISE PERCENTAGES

Sem	Sub Code	Sub Details	Totappr	Totpass	Totfail	%
2	2346	NV	26	19	7	73.1%
	2347	AD	37	24	13	64.9%
	2348	IM	17	11	6	64.7%
	2349	BM	19	10	9	52.6%
4	4033	EDX-5	141	124	17	87.9%
	4301	M4	72	48	24	66.7%
	4302	P4	41	25	16	61.0%
	4303	E4	10	9	1	90.0%
	4304	C4	42	35	7	83.3%
	4305	CS4	84	53	31	63.1%
	4306	S4	31	29	2	93.5%
	4307	DS4	20	17	3	85.0%
	4321	B4	24	12	12	50.0%
	4322	Z4	17	11	6	64.7%
	4324	MB4	23	22	1	95.7%
	4325	BC4	23	22	1	95.7%
	4328	FT4	18	18	0	100.0%
	4329	H41	7	7	0	100.0%
	4351	M4	73	40	33	54.8%
	4352	P4	41	40	1	97.6%
	4353	C4	43	19	24	44.2%
	4354	E4	12	9	3	75.0%
	4355	CS4	81	73	8	90.1%
	4356	S4	36	26	10	72.2%
	4357	DS4-2	19	16	3	84.2%
	4358	B4	23	9	14	39.1%
	4359	Z4	17	15	2	88.2%
	4360	MB4-2	23	23	0	100.0%
	4361	BC4-2	23	21	2	91.3%
	4362	FT4-2	18	18	0	100.0%
	4364	H4	7	4	3	57.1%

O. A. K. Kishor
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[Signature]
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