

**SKR & SKR GOVT. COLLEGE FOR WOMEN (A), KADAPA.**

**Reaccredited with 'B' Grade by NAAC**

**Y.S.R. Kadapa District – 516001, Andhra Pradesh, India.**

**Affiliated to Yogi Vemana University**

## **FDP REPORT**

**on**

**“PEDAGOGICAL INNOVATIONS AND STRATEGIES IN HIGHER EDUCATION”**



**ORGANIZED BY**

**Internal Quality Assurance Cell,**

**SKR & SKR Govt. College for Women(A), Kadapa and**

**ICT Academy, Tamilnadu.**

**Date: 27.12.2023 to 03.01.2024**

**VENUE: SKR & SKR GOVT. COLLEGE FOR WOMEN (A), KADAPA**

Kadapa,  
18-12-2023.

From

Dr. C V KRISHNAVENI,

IQAC Coordinator,

KADAPA.

SKR & SKR GCW(A), KADAPA

To

The Principal

SKR & SKR GCW(A),

Sub: Requesting to permit to conduct FDP on “PEDAGOGICAL INNOVATIONS AND STRATEGIES IN HIGHER EDUCATION” as a part of Collaborative Quality Initiative Programme by IQAC in December 2023 by FDP division, ICT academy tamilnadu– reg.

Respected Sir,

As a part of Collaborative Quality Initiative Programme by IQAC, it is planned to conduct a National level FDP on “PEDAGOGICAL INNOVATIONS AND STRATEGIES IN HIGHER EDUCATION” in December 2023 by FDP division, ICT academy tamilnadu.

Hence, I request you to kindly give me permission to Resource Persons for the above-mentioned FDP.

Thanking You,

Yours sincerely,

Dr. C V KRISHNAVENI

Kadapa,  
21-12-2023.

To  
The principal,  
SKR & SKR GCW(A), KADAPA.

Sub: Requesting to Faculty- conduct a FDP on “PEDAGOGICAL INNOVATIONS AND STRATEGIES IN HIGHER EDUCATION” as a part of Collaborative Quality Initiative Programme by IQAC in December 2023 – reg.

Respected Sir,

As a part of Collaborative Quality Initiative Programme by IQAC, it is planned to conduct a FDP on “PEDAGOGICAL INNOVATIONS AND STRATEGIES IN HIGHER EDUCATION” in December 2023 by FDP division, ICT academy tamilnadu.

Hence, I request you to kindly depute the following faculty to act as a Resource Person for the above-mentioned workshop at SKR & SKR GCW(A), Kadapa.

Thanking You,

Yours sincerely,

Dr. C V KRISHNAVENI



**SKR & SKR GOVT. COLLEGE FOR WOMEN, KADAPA.  
(AUTONOMOUS)**

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**Internal Quality Assurance Cell**

Date: 19.12.2023

**Circular**

As a part of IQAC Collaborative Activity, IQAC is organising "PEDAGOGICAL INNOVATIONS AND STRATEGIES IN HIGHER EDUCATION" on 27-12-2023 to all Teaching Staff. From 27.12.2023 to 03.01.2024 by different Resource Persons at 4.00 P.M. for every day. Hence all the Teaching staff are informed to attend the programme without fail.

**Coordinator - IQAC**

**Principal.**

**Signature of the Staff:**



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## Internal Quality Assurance Cell

Date: 27.12.2023

### FDP on “PEDAGOGICAL INNOVATIONS AND STRATEGIES IN HIGHER EDUCATION”

#### Agenda:

- Welcome by Dr C V Krishnaveni, IQAC Coordinator.
- Opening Remarks by Dr V Saleem Basha, Principal.
- Sessions Resource Persons.

S.No	Date	Topic	Resource person
1	27.12.2023	Teaching as a profession: challenges and opportunities	Dr.(Mrs.) Ambujam. V. Iyer, Head (Retd), Department of Education Management, Jankidevi Bajaj Institute of Management Studies, SNDT Women's University, Mumbai
2	28.12.2023	Inspiring and Role model Teacher: innovative methodology for teaching and Learning	Dr. Soudamini Menon, Professor (Retd), Department of Education, Sastra University,
3	29.12.2023	Pedagogical Approach and Outcome Education Methods	Tanjore Dr.Jeyanthi, Associate Professor, School of Education, VELS Institute, of Science, Technology & Advanced Studies, (VISTAS), Chennai
4	30.12.2023	Role of an ideal teacher: Knowledge generation, Dissemination and Practice	Prof.(Dr). Puneet Bafna, Professor, Amity Law School, Amity University Rajasthan
5	31.12.2023	Tools and Application for the education 4.0 classroom	Dr. M. Jayalakshmi, Associate Professor, Department of Computer Science Engineering, School of Computing, Kalasalingam Academy of Research and Education, Krishnankoil
6	02.01.2024	Effective teaching and Mentoring: A pedagogical Approach and pedagogical hybrid mode	Dr. Pankaj Dixit, Head of the Department, Department of Computer Science and Engineering, SJIT University, Jhunjhunu
7	03.01.2024	Introduction to education 4.0. Pedagogy for the Genz and Gen Alpha	Dr. C.V. krishnaveni, Lecturer, Computer Science, SKR & SKR GCW (A), Kadapa

- **Q&A Session from the Participants.**
- **Feedback from the Attendees.**
- **Vote of Thanks by Dr C V Krishnaveni, IQAC Coordinator.**

**Coordinator - IQAC**

**Principal.**

# Profile and Schedule of the Speakers/Resource Persons

One Week National Level Faculty Development Programme (Virtual) on

"Pedagogical Innovations and Strategies in Higher Education"

27.12.2023 – 03.01.2024

Time : 4.00 PM – 5.00 PM

Date	Topic	Resource Person
27.12.2023	Teaching as a profession: challenges and opportunities	Dr.(Mrs.) Ambujam. V. Iyer, Head (Retd) , Department of Education Management, Jankidevi Bajaj Institute of Management Studies, SNDT Women's University, Mumbai
28.12.2023	Inspiring and Role model Teacher: innovative methodology for teaching and Learning	Dr. Soudamini Menon, Professor (Retd), Department of Education, Sastra University, Tanjore
29.12.2023	Pedagogical Approach and Outcome Education Methods	Dr.Jeyanthi, Associate Professor, School of Education, VELS Institute, of Science, Technology & Advanced Studies, (VISTAS), Chennai
30.12.2023	Role of an ideal teacher: Knowledge generation, Dissemination and Practice	Prof.(Dr). Puneet Bafna, Professor , Amity Law School , Amity University Rajasthan
31.12.2023	Tools and Application for the education 4.0 classroom	Dr. M. Jayalakshmi, Associate Professor, Department of Computer Science Engineering, School of Computing, Kalasalingam Academy of Research and Education, Krishnankoil <a href="mailto:jayalacsmi@gmail.com">jayalacsmi@gmail.com</a>
02.01.2024	Effective teaching and Mentoring: A pedagogical Approach and pedagogical hybrid mode	Dr. Pankaj Dixit, Head of the Department, Department of Computer Science and Engineering, SJIT University, Jhunjhunu
03.12.2023	Introduction to education 4.0. Pedagogy for the Genz and Gen Alpha	Dr. C.V. krishnaveni, Lecturer, Computer Science, SKR & SKR GCW (A), Kadapa

[illegible]





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**IQAC**

**ACADEMIC YEAR: 2023-24**

**REPORT ON NATIONAL FDP**

<b>Name of the Program</b>	National level Faculty Development Programme
<b>Title</b>	PEDAGOGICAL INNOVATIONS AND STRATEGIES IN HIGHER EDUCATION
<b>Date &amp; Time</b>	27.12.2023 to 03.01.2024 Time: 04.00 PM to 05.00 PM
<b>Mode (Online/Offline)</b>	Online Google meet: Link for all 7 days Video call link: <a href="https://meet.google.com/jtx-rmbj-xgm">https://meet.google.com/jtx-rmbj-xgm</a>
<b>Venue (App/Location)</b>	SKR & SKR Govt. College for Women(A), Kadapa
<b>Organizers</b>	SKR & SKR Govt. College for Women, Kadapa and FDP Division A.C.T Academy, Tamilnadu
<b>Department</b>	IQAC
<b>Objective</b>	To equip educators with innovative pedagogical strategies and tools tailored for higher education, fostering enhanced teaching methodologies and enriching the learning experience for students.
<b>Beneficiaries</b>	Teaching staff
<b>No. of Beneficiaries</b>	126
<b>Outcome</b>	
<b>Feedback &amp; Suggestions</b>	Feedback form: <a href="https://forms.gle/rhrjxkeLmowkBaZX6">https://forms.gle/rhrjxkeLmowkBaZX6</a> Recording Link <a href="https://drive.google.com/file/d/1kpFX_kW3Y_kIXbbH-htoa0-x9p37cYwh/view?usp=sharing">https://drive.google.com/file/d/1kpFX_kW3Y_kIXbbH-htoa0-x9p37cYwh/view?usp=sharing</a>



# SKR & SKR GOVT. COLLEGE FOR WOMEN

(AUTONOMOUS)

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Kadapa, Andhra Pradesh

Platform :  
Googlemeet



## INTERNAL QUALITY ASSURANCE CELL

&

FDP DIVISION, A.C.T ACADEMY, TAMIL NADU

JOINTLY ORGANIZE



"Achieving Excellence Together"

27.12.2023

To

03.01.2024

(4.00 PM - 5:00 PM)

ONE WEEK NATIONAL LEVEL ( ONLINE ) FACULTY DEVELOPMENT  
PROGRAMME ON

## "PEDAGOGICAL INNOVATIONS AND STRATEGIES IN HIGHER EDUCATION"

1 Teaching as a Profession: Challenges  
and Opportunities

**Dr.(Mrs.) Ambujam. V. Iyer**  
Head (Regd.), Department of Education Management,  
Jankidevi Bajaj Institute of Management Studies,  
SNDT Women's University, Mumbai

2 Role of an Ideal Teacher: Knowledge  
generation, Dissemination and Practice

**Prof.(Dr). Puneet Bafna**  
Professor  
Amity Law School  
Amity University Rajasthan

3 Pedagogical Approach and Outcome  
Education Methods

**Dr.R. Jeyanthi**  
Associate Professor,  
School of Education, YELS Institute of Science,  
Technology & Advanced Studies, (MISTAS), Chennai

4 Introduction to Education 4.0.  
Pedagogy for the GenZ and Gen Alpha

**Dr. C.V. krishnaveni**  
IQAC, NAAC, NIRF Coordinator  
SKR & SKR GCW (A),  
Kadapa, and Andhra Pradesh

5 Tools and Application for the Education  
4.0 classroom

**Dr. M. Jayalakshmi,**  
Associate Professor,  
Department of Computer Science Engineering,  
School of Computing, Kalasalingam Academy of  
Research and Education, Krishnankoil

6 Effective teaching and Mentoring:  
A pedagogical Approach and  
pedagogical hybrid mode

**Dr. Pankaj Dixit**  
Head of the Department,  
Department of Computer Science and Engineering,  
SGT University, Gurgaon

7 Inspiring and Role model Teacher:  
innovative methodology for teaching  
and Learning

**Dr. Soudamini Menon**  
Professor (Retd),  
Department of Education,  
Sastri University, Tanjore

FOR REGISTRATION

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Certificates  
will be issued



Recordings  
will be provided



Platform :  
Googlemeet

**PATRON**



**Dr.V. Saleem Basha**  
Principal  
SKR & SKR GCW (A), Kadapa

**PROGRAMME COORDINATORS**



**Dr. C. V. Krishnaveni**  
IQAC, NAAC, NIRF Coordinator  
SKR & SKR GCW (A),  
Kadapa, and Andhra Pradesh



**Prof.(Dr). Soudamini Menon**  
Director  
A.C.T.Academy, Tamil Nadu

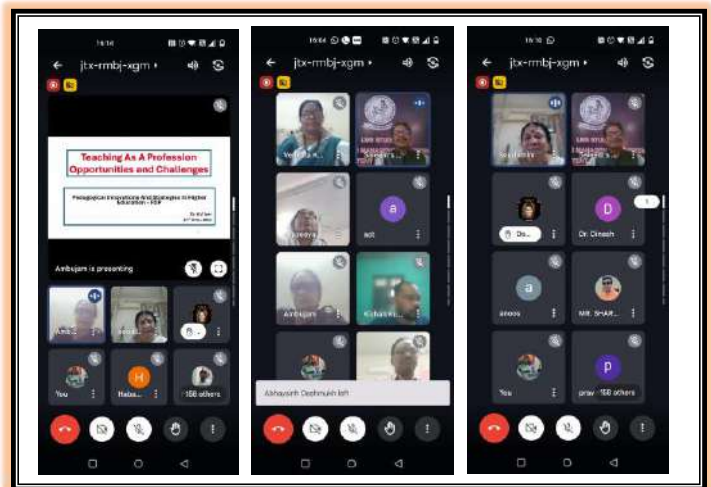
Prof (Dr) Soudamini Menon, Director, A.C.T Academy, Tamil Nadu

WhatsApp : 91-9360089769 & 91-6369453300

## DAY-1: 27.12.2023

Session I: Dr. Ambujam., Head (Retd), Department of Education Management, Jankidevi Bajaj Institute of Management Studies, SNDT Women's University, Mumbai. She delivered her content about teaching as a profession: challenges and opportunities to faculty as follows

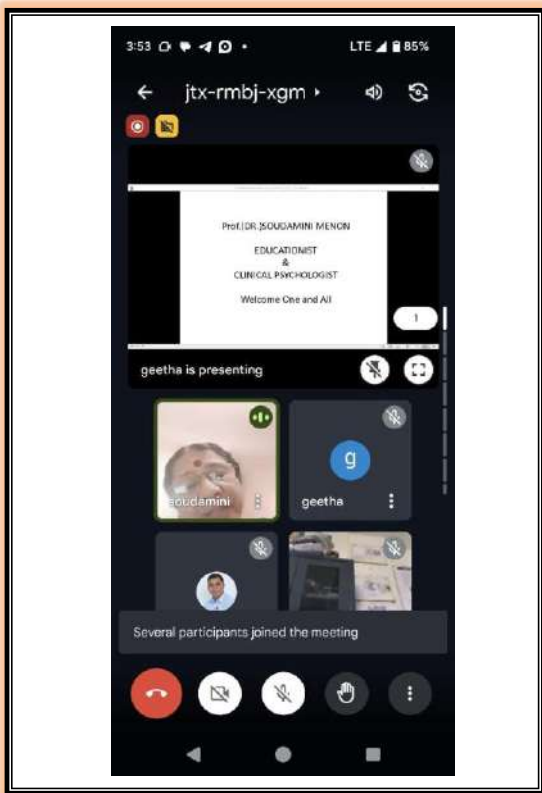
Teaching as a profession presents both challenges and opportunities. Educators often grapple with classroom diversity, varying learning styles, and the demand for personalized instruction. Balancing administrative expectations while fostering a positive learning environment can be challenging. However, teaching offers the opportunity to positively impact students' lives, inspire intellectual curiosity, and contribute to societal development. Embracing technological advancements and professional development opportunities further enrich the teaching experience, creating a dynamic







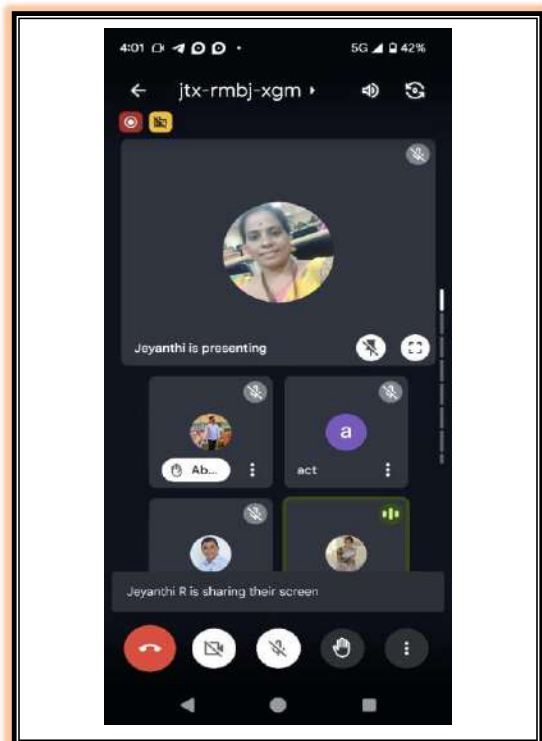
## DAY-2: 28.12.2023



Session I: Dr. Soudamini Menon, Professor (Retd), Department of Education, Sastra University Lead the session to faculty as follows

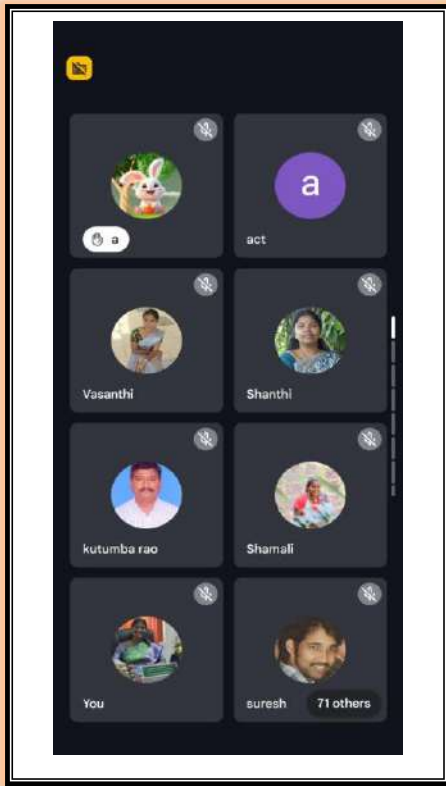
An inspiring and role model teacher stands out through innovative methodologies in teaching and learning. They employ creative approaches, such as interactive activities and real-world applications, to engage students in the learning process. These educators foster a positive and inclusive classroom environment, encouraging students to think critically and independently. By adapting to evolving technologies and embracing diverse teaching styles, they serve as catalysts for academic success, shaping students into lifelong learners with a passion for knowledge.

## DAY-3: 29.12.2023



Dr. Jeyanthi, Associate Professor, School of Education, VELS Institute, of Science, Technology & Advanced Studies, (VISTAS), Chennai, lead the session. She said that, A pedagogical approach plays a crucial role in shaping educational outcomes. Utilizing student-centred methods, such as active learning and collaborative projects, fosters a deeper understanding and retention of knowledge. Outcome-based education methods focus on measurable results, ensuring students achieve specific learning objectives. Aligning pedagogy with diverse learning styles enhances overall comprehension and promotes a more inclusive educational experience. By continually assessing and refining teaching strategies, educators can optimize the educational process for positive and impactful outcomes.

## DAY-4: 02.01.2024



Dr. Pankaj Dixit, Head of the Department, Department of Computer Science and Engineering, SJIT University, Jhunjhunu Lead this session.

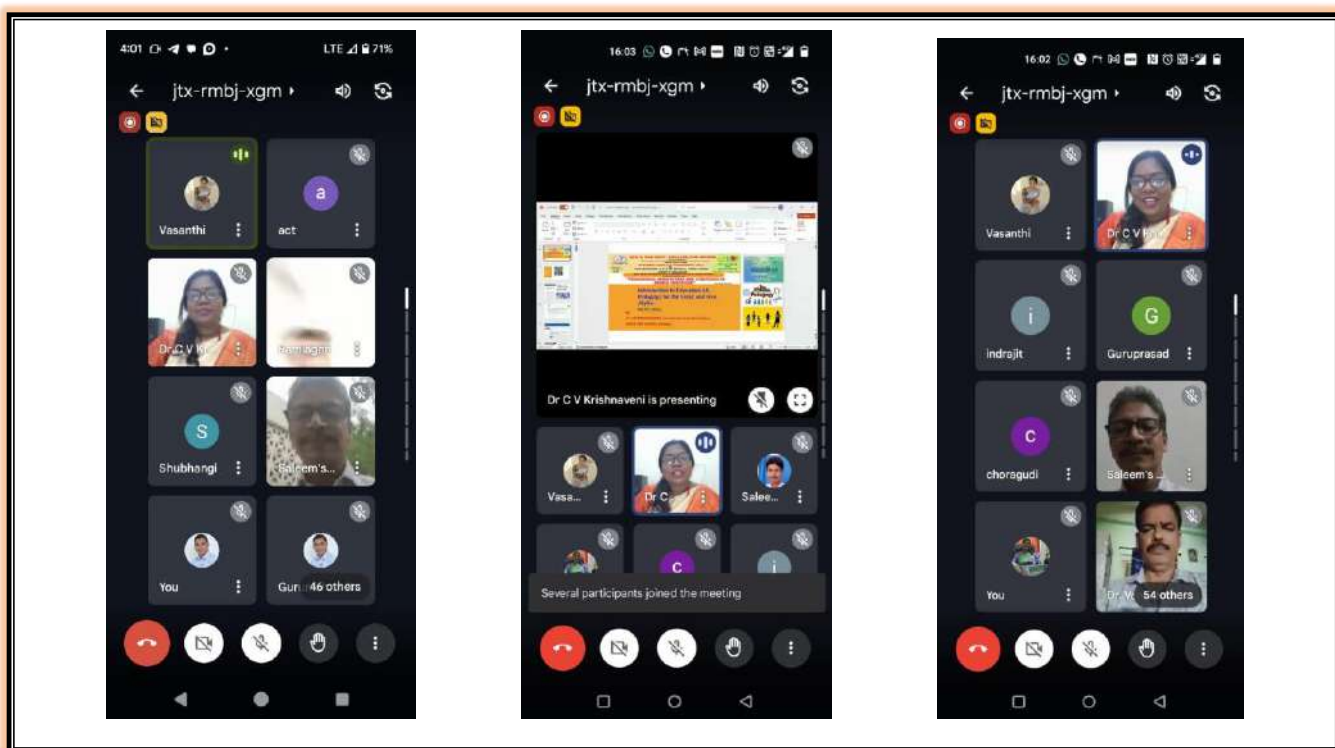
Effective teaching and mentoring require a pedagogical approach that integrates both traditional and modern methods. This pedagogical hybrid mode combines time-tested instructional techniques with innovative approaches to cater to diverse learning styles. Educators adopting this approach employ personalized mentoring, creating a supportive environment that fosters student engagement and growth. By seamlessly integrating technology, such as online resources and interactive platforms, teachers can enhance the learning experience and adapt to evolving educational landscapes. Ultimately, this holistic pedagogical approach empowers educators to guide students successfully through their academic journey.

## DAY-5: 03.01.2024

Under the leadership of Dr. V. Salim Basha, the Principal of the SKR & SKR GCW (A) College, has successfully conducted a national-level faculty development program in collaboration with the AC Academy of Tamil Nadu. The program aimed at enhancing the skills and development of faculty in the field of national significance.

During the program, Dr. Ambujam Ayyagar, a resource person from Tamil Nadu, shared insights and experiences from various art schools across the country. The second day of the program featured Dr. A. Amara Vathi, who spoke about the responsibilities of an ideal teacher. On the third day, Dr. Jayanti Chennai, a resource person from Chennai, discussed the methods and results of faculty development programs.

The principal of the SKR & SKR GCW (A) College, concluding remarks at the program's completion on Thursday, highlighted the individual and institutional benefits of conducting such faculty development programs. He emphasized that programs like these not only contribute significantly to personal growth but also prove to be highly beneficial for the college. Dr. Salim Basha expressed optimism that such programs would continue to be organized in the future, contributing to the creative and developmental aspects of the institution.



**Convener/Coordinator/Lecturer**

**Principal**

**Validated by: IQAC Coordinator**

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**Y.S.R. Kadapa District – 516001, Andhra Pradesh, India.**

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## **WORKSHOP REPORT**

**on**

**“Research Management System”**



**ORGANIZED BY**

**Internal Quality Assurance Cell**

**Date: 29-09-2023**

**VENUE: SKR & SKR GOVT. COLLEGE FOR WOMEN (A),  
KADAPA**



Kadapa,  
24-09-2023.

From

Dr. C V KRISHNAVENI,

IQAC Coordinator,

SKR & SKR GCW(A), KADAPA

To

The Principal

SKR & SKR GCW(A), KADAPA.

Sub: Requesting to permit to conduct a workshop on “Research Management System” as a part of Collaborative Quality Initiative Programme by IQAC in September 2023 by Dr. B. Ramachandra, Lecturer in Chemistry and IQAC Coordinator, GDC Men(A), Kadapa– reg.

Respected Sir,

As a part of Collaborative Quality Initiative Programme by IQAC, it is planned to conduct a workshop on “Research Management System” in September 2023 by Dr. B. Ramachandra, Lecturer in Chemistry and IQAC Coordinator, GDC Men(A), Kadapa.

Hence, I request you to kindly give me permission to invite Dr. B. Ramachandra, Lecturer in Chemistry and IQAC Coordinator, GDC Men(A), Kadapa as a Resource Person for the above-mentioned workshop.

Thanking You,

Yours sincerely,

Dr. C V KRISHNAVENI

Kadapa,  
24-09-2023.

To  
The Principal,  
SKR & SKR GCW(A), KADAPA.

Sub: Requesting to depute Dr. B. Ramachandra, Lecturer in Chemistry and IQAC Coordinator, GDC Men(A), Kadapa to conduct a workshop on “Research Management System” as a part of Collaborative Quality Initiative Programme by IQAC” in September 2023 – reg.

Respected Sir,

As a part of Collaborative Quality Initiative Programme by IQAC, it is planned to conduct a workshop on “Research Management System” in September 2023 by Dr. B. Ramachandra, Lecturer in Chemistry and IQAC Coordinator, GDC Men(A), Kadapa.

Hence, I request you to kindly depute Dr. B. Ramachandra, Lecturer in Chemistry and IQAC Coordinator, GDC Men(A), Kadapa to act as a Resource Person for the above-mentioned workshop at SKR & SKR GCW(A), Kadapa.

Thanking You,

Yours sincerely,

Dr. C V KRISHNAVENI



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**Internal Quality Assurance Cell**

Date: 26.09.2023

**Circular**

As a part of IQAC Collaborative Activity, IQAC is organising a Workshop on "Research Management System " on 29-09-2023 to college Teaching Staff. on by Dr. B. Ramachandra, Lecturer in Chemistry and IQAC Coordinator, GDC Men(A), Kadapa.as Resource Person at Room No.1 at 3:45 P.M. Hence all the Teaching staff are informed to attend the programme without fail.

**Coordinator - IQAC**

**Principal.**

**Signature of the Staff:**



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**Internal Quality Assurance Cell**

Date:09.10.2023

**Workshop on “Research Management System” to Staff**

**Agenda:**

- Welcome by Dr C V Krishnaveni, IQAC Coordinator.
- Opening Remarks by Dr V Saleem Basha, Principal,
- Training Session by Resource Person Dr. B. Rama Chandra Lecturer in Chemistry, IQAC Coordinator, GCM(A), Kadapa.
- Q&A Session from the Participants.
- Feedback from the Attendees.
- Vote of Thanks by Dr C V Krishnaveni, IQAC Coordinator.

**Coordinator - IQAC**

**Principal.**

# Profile of the Speakers/Resource Persons

## Dr. B. Ramachandra

Current Position: Assistant Professor, Department of Chemistry,

Government College for Men (Autonomous),

Kadapa, Andhra Pradesh, India

Mobile: (+91)-9492753765

E-mail: bramachandra84@gmail.com

### Academic Records:

- i) 6th rank in S.K University, PGCET-2005
- ii) M.Sc. (S.K University-78%)
- iii) Ph.D (CSIR-IICT & JNTU, Hyderabad)
- iv) Qualified UGC-JRF (2008) and NET
- vi) Research work carried out at “Indian Institute of Chemical Technology (CSIR IICT)”, Hyderabad under the supervision of Dr. R. Nageswara Rao, Chief Scientist.
- vi) Selected as Lecturer through APPSC-2011.

### Research Experiences: (11 years)

- i) Worked as Junior Scientist at VIMTA LABS, Hyderabad from 2008-2009
- ii) JRF scholar at CSIR-IICT, Hyderabad-2009-2011.
- iii) SRF scholar at CSIR-IICT, Hyderabad-2011-2012.

### Teaching Experience: (10 Years)

### Research Output:

- ☐ Total Articles Published : 19
- ☐ Average Impact factor : 2.10
- ☐ H-Index : 8
- ☐ I-10 Index : 8
- ☐ Total articles Reviewed: 11



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**Internal Quality Assurance Cell**

Date: 09.10.2023

**Certificate of Appreciation**

This is to certify that Dr. B. Ramachandra, Lecturer in Chemistry and IQAC Coordinator, GDC Men(A), Kadapa, has acted as a Resource Person for a Workshop on "Research Management System" to Staff conducted at SKR & SKR GCW(A), Kadapa on 29.09.2023. His expertise in research enlightens the session.

**IQAC Coordinator**

**Principal.**

[illegible]



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**INTERNAL QUALITY ASSURANCE CELL**

**ACADEMIC YEAR: 2023-24**

**REPORT ON WORKSHOP**

<b>Name of the Program</b>	WORKSHOP
<b>Title</b>	Research Management System
<b>Date</b>	29.09.2023
<b>Mode (Online/Offline)</b>	Offline
<b>Venue (App/Location)</b>	SKR & SKR Govt. College for Women, Kadapa, Room No:1
<b>Name of the Organizer</b>	Dr. C.V. Krishnaveni
<b>Designation</b>	Lecturer in Computer Science and IQAC Coordinator
<b>Department</b>	IQAC
<b>Objective</b>	To streamline and facilitate the organization, coordination, and monitoring of research activities, resources, and collaborations within an institution or organization.
<b>Resource Person Details</b>	Dr. B. Ramachandra, Lecturer in Chemistry and IQAC Coordinator, GDC for Men(A), Kadapa
<b>Description</b>	<ol style="list-style-type: none"><li><b>Data Organization and Storage:</b> An RMS (Research Management System) enables centralized storage and organization of research-related data, including documents, datasets, publications, and other relevant information. It provides a structured repository for easy access and retrieval.</li><li><b>Project Management:</b> It facilitates project planning, scheduling, and monitoring by allowing researchers to create and manage projects, set milestones, allocate resources, and track progress in real-time.</li><li><b>Collaboration and Communication:</b> RMS fosters collaboration among researchers, allowing them to share information, collaborate on projects, exchange ideas, and communicate seamlessly through integrated messaging systems or discussion forums.</li><li><b>Grant and Funding Management:</b> It assists in managing grant applications, tracking funding sources, and monitoring the financial aspects of research projects, including budget allocation and expenditure.</li><li><b>Compliance and Ethics Oversight:</b> An RMS often includes features to ensure compliance with ethical standards, regulatory requirements, and institutional protocols. It helps in managing approvals, reporting, and adherence to research guidelines.</li><li><b>Resource Allocation and Utilization:</b> It helps in optimizing resource allocation by providing insights into the utilization of</li></ol>



	<p>facilities, equipment, and personnel, aiding in better resource planning.</p> <ol style="list-style-type: none"> <li>7. <b>Data Analytics and Reporting:</b> Many RMS platforms offer analytical tools to analyze research data, generate reports, and visualize trends, enabling researchers to derive meaningful insights from their findings.</li> <li>8. <b>Workflow Automation:</b> It automates routine administrative tasks, such as document approvals, data entry, and report generation, reducing manual workload and improving efficiency.</li> <li>9. <b>Security and Access Control:</b> It ensures data security and integrity by implementing access controls, encryption protocols, and compliance with data privacy regulations to protect sensitive research information.</li> <li>10. <b>Integration and Scalability:</b> An RMS often allows integration with other systems or tools used in the research process, enhancing its functionality. It's designed to be scalable to accommodate the evolving needs of researchers and the institution.</li> </ol> <p>A well-implemented research management system serves as a valuable tool in enhancing the productivity, collaboration, and efficiency of research endeavors while ensuring compliance and data security.</p>
<b>Beneficiaries</b>	All the Teaching Saff
<b>No. of Beneficiaries</b>	45
<b>Outcome</b>	The research management system program streamlined project workflows, enhanced collaboration among researchers, and significantly improved the efficiency of research processes
<b>Feedback</b>	Successful



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## **NATIONAL WEBINAR REPORT**

**on**

**“PO-CO Mapping”**



**ORGANIZED BY**

**Internal Quality Assurance Cell**

**Date: 06-10-2023**

**VENUE: SKR & SKR GOVT. COLLEGE FOR WOMEN (A),  
KADAPA**

Kadapa,  
02-10-2023.

From

Dr. C V KRISHNAVENI,  
IQAC Coordinator,  
SKR & SKR GCW(A), KADAPA

To

The Principal  
SKR & SKR GCW(A), KADAPA.

Sub: Requesting to permit to organized a National Webinar on “PO-CO Mapping” as a part of Quality Initiative Programme by IQAC in October 2023– reg.

Respected Sir,

As a part of Quality Initiative Programme by IQAC, it is planned to organized a National Webinar on “PO-CO Mapping” in October 2023 by

1. Chief Patron

Sri. Pola Bhaskar, I.A.S Hon'ble Commissioner of Collegiate Education

2. Patron

Dr. V. Saleem Basha M.Sc., Ph.D., Principal SKR & SKR Govt. College for Women (A), Kadapa

3. Dr. A. Leela Mohan Rao Retd. Principal

4. Dr. Sonal Kame

Head of Home Science Dept. Smt. Radha Devi Goenka College for Women Akola

Hence, I request you to kindly give me permission to invite them as a Resource Persons for the above-mentioned programme.

Thanking You,

Yours sincerely,

Dr. C V KRISHNAVENI

Kadapa,  
02-10-2023.

To  
The principal,  
SKR & SKR GCW(A), KADAPA.

Sub: Requesting to organize a National Webinar on “PO-CO Mapping” as a part of Collaborative Quality Initiative Programme by IQAC” in October 2023 – reg.

Respected Sir,

As a part of IQAC, it is planned to organize a National Webinar on “PO-CO Mapping” to teaching Staff in October 2023 by

1. Chief Patron  
Sri. Pola Bhaskar, I.A.S Hon'ble Commissioner of Collegiate Education
2. Patron  
Dr. V. Saleem Basha M.Sc., Ph.D., Principal SKR & SKR Govt. College for Women (A), Kadapa
3. Dr. A. Leela Mohan Rao Retd. Principal
4. Dr. Sonal Kame  
Head of Home Science Dept. Smt. Radha Devi Goenka College for Women Akola

Hence, I request you to kindly depute to act as a Resource Person for the above-mentioned National Webinar at SKR & SKR GCW(A), Kadapa.

Thanking You,

Yours sincerely,

Dr. C V KRISHNAVENI



**SKR & SKR GOVT. COLLEGE FOR WOMEN, KADAPA.**  
**(AUTONOMOUS)**  
Reaccredited with 'B' Grade by NAAC  
**Y.S.R. Kadapa District – 516001, Andhra Pradesh, India.**  
Affiliated to Yogi Vemana University



## **Internal Quality Assurance Cell**

Date: 03.10.2023

### **Circular**

As a part of IQAC Activity, IQAC is organising a National Webinar on “PO-CO Mapping” to all teaching staff on 06-10-2023. by

1. Chief Patron

Sri. Pola Bhaskar, I.A.S Hon'ble Commissioner of Collegiate Education

2. Patron

Dr. V. Saleem Basha M.Sc., Ph.D., Principal SKR & SKR Govt. College for Women (A), Kadapa

3. Dr. A. Leela Mohan Rao Retd. Principal

Topic: Significance of PO-CO Mapping

4. Dr. Sonal Kame

Head of Home Science Dept. Smt. Radha Devi Goenka College for Women Akola

Topic: Unique Best Practices - Higher Education

Hence all the teaching staff are informed to attend the programme in online mode without fail.

**Coordinator - IQAC**

**Principal.**

**Signature of the Staff:**



**SKR & SKR GOVT. COLLEGE FOR WOMEN, KADAPA.  
(AUTONOMOUS)**

Reaccredited with 'B' Grade by NAAC

Y.S.R. Kadapa District – 516001, Andhra Pradesh, India.

Affiliated to Yogi Vemana University



**Internal Quality Assurance Cell**

Date:06.10.2023

**National Webinar on “PO-CO Mapping”**

**Agenda:**

- Welcome by Dr C V Krishnaveni, IQAC Coordinator.
- Opening Remarks by Dr V Saleem Basha, Principal,
- 5. Session by Chief Patron  
Sri. Pola Bhaskar, I.A.S Hon'ble Commissioner of Collegiate Education
- 6. Patron  
Dr. V. Saleem Basha M.Sc., Ph.D., Principal SKR & SKR Govt. College for Women (A), Kadapa
- 7. Dr. A. Leela Mohan Rao Retd. Principal  
Topic: Significance of PO-CO Mapping
- 8. Dr. Sonal Kame  
Head of Home Science Dept. Smt. Radha Devi Goenka College for Women Akola  
Topic: Unique Best Practices - Higher Education
- Q&A Session from the Participants.
- Feedback from the Attendees.
- Vote of Thanks by Dr C V Krishnaveni, IQAC Coordinator.

**Coordinator - IQAC**

**Principal.**

# Profile of the Speakers/Resource Persons

1. Chief Patron

Sri. Pola Bhaskar, I.A.S Hon'ble Commissioner of Collegiate Education

2. Patron

Dr. V. Saleem Basha M.Sc., Ph.D., Principal SKR & SKR Govt. College for Women (A), Kadapa

3. Dr. A. Leela Mohan Rao Retd. Principal

Topic: Significance of PO-CO Mapping

4. Dr. Sonal Kame

Head of Home Science Dept. Smt. Radha Devi Goenka College for Women Akola

Topic: Unique Best Practices - Higher Education





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Affiliated to Yogi Vemana University



**Internal Quality Assurance Cell**

Date: 09.10.2023

**Certificate of Appreciation**

This is to certify that IQAC organized a National Webinar on “PO-CO Mapping” to all teaching staff conducted at SKR & SKR GCW(A), Kadapa on 06.10.2023. by the following resource persons

1. Chief Patron

Sri. Pola Bhaskar, I.A.S Hon'ble Commissioner of Collegiate Education

2. Patron

Dr. V. Saleem Basha M.Sc., Ph.D., Principal SKR & SKR Govt. College for Women (A), Kadapa

3. Dr. A. Leela Mohan Rao Retd. Principal

Topic: Significance of PO-CO Mapping

4. Dr. Sonal Kame

Head of Home Science Dept. Smt. Radha Devi Goenka College for Women Akola

Topic: Unique Best Practices - Higher Education

These persons expertise enlightens the session.

**IQAC Coordinator**

**Principal.**





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**Affiliated to Yogi Vemana University**



**INTERNAL QUALITY ASSURANCE CELL**

**ACADEMIC YEAR: 2023-24**

**REPORT ON NATIONAL WEBINAR**

<b>Name of the Program</b>	NATIONAL WEBINAR
<b>Title</b>	PO-CO Mapping
<b>Date</b>	06.10.2023
<b>Mode (Online/Offline)</b>	<b>Online</b> <b>Google meet link:</b> <a href="https://meet.google.com/fiv-ywak-qxy">https://meet.google.com/fiv-ywak-qxy</a>
<b>Venue (App/Location)</b>	SKR & SKR Govt. College for Women, Kadapa
<b>Name of the Organizer</b>	<b>Dr. V. Saleem Basha, Principal</b> SKR & SKR Govt. College for Women, Kadapa Dr. C.V. Krishnaveni Lecturer in Computer Science and IQAC Coordinator
<b>Department</b>	IQAC
<b>Objective</b>	To align and correlate program outcomes (POs) with course outcomes (COs) to ensure the comprehensive attainment of learning objectives within a curriculum.
<b>Resource Persons Details</b>	1. Dr. A. Leela Mohan Rao Retd. Principal 2. Dr. Sonal Kame Head of Home Science Dept. Smt. Radha Devi Goenka College for Women Akola
<b>Description</b>	PO-CO Mapping refers to the process of aligning Program Outcomes (POs) with Course Outcomes (COs) in educational curricula. This program is designed to establish a clear correlation between the overarching goals of a specific academic program or course and the individual learning objectives within each course or subject. By systematically mapping these outcomes, educators ensure that what students learn at the course level contributes effectively to achieving the broader program goals. This approach enables curriculum designers and instructors to assess, monitor, and enhance the effectiveness of teaching and learning activities while ensuring students acquire the necessary knowledge, skills, and competencies outlined in the program objectives.
<b>Beneficiaries</b>	All the teaching Saff
<b>No. of Beneficiaries</b>	93
<b>Outcome</b>	The outcome of the "PO-CO Mapping" program is a comprehensive alignment and correlation between program outcomes (POs) and course outcomes (COs) to ensure effective curriculum design and assessment strategies.
<b>Feedback</b>	Successful





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## Brief Report on ToT Programme

**Date:** 25th January 2024

**Venue:** SKR & SKR Govt. College for Women (Autonomous),  
Kadapa, Andhra Pradesh

### Objectives :

Participants will be able to know :

1. Identify the importance of Social Emotional Learning to build Emotional Resilience
2. Practice tools to regulate emotions and cultivate mindfulness
3. Build healthy boundaries by incorporating self-care practices.
4. Learn about the two MGIEP youth courses - SEEK and SEL for youth waging peace

**Facilitators:** Dr. Shobita Rao – UNESCO MGIEP (Online)

**Master Trainers:** 1. Smt. B.Yugavani,  
Lect. In Botany, Government Degree College, Pendlimarri.  
2. Dr.P.V.Subba Reddy,  
Lect. in Political Science, SKR&SKR GCW(A), Kadapa.  
3. Sri. S.Nagendra,  
Lect. In Chemistry, Government Degree College, Vempalli.

### **Minute to Minute Program :**

Time	Title	Description
9:45 to 10:00 am	Opening Remarks	<ul style="list-style-type: none"><li>• Opening remarks by Dr. V.Saleem Basha garu, Principal , SKR &amp; SKR GCW(A), Kadapa</li><li>• Remarks by Dr.M.V.Ramanaiah, NRC Co-ordinator, SKR &amp; SKR GCW(A), Kadapa.</li></ul>
10:00 to 11:00 am	Chief Guest Message (Online)	Dr . Pola Bhaskar, IAS Commissioner of Collegiate Education.
11:00 to 12:00 am	Facilitators Speeches ( OnLine)	Dr. Shobita Rao (UNESCO – MGIEP)
12:00 to 12:15 pm		Tea break

12:15 to 12:30 pm	Moto of this TOT	Dr.P.V.Subba Reddy Master Trainer
12:30 to 01:30 pm	Introduction to SEL	Sri. S.Nagendra, Master Trainer
<b>01:30 pm to 2:30 pm</b>		<b>Lunch break</b>
02:30 to 4:00 pm	Introduction to SEEK	Smt. B.Yugavani & Dr.P.V.Subba Reddy Master Trainers
<b>04:00 to 4:15</b>		<b>Tea break</b>
04:15 to 5:00 pm	Registration of Certificate Courses ( SEEK& SEL) through Framers space	Smt. B.Yugavani, Dr.P.V.Subba Reddy & Sri. S.Nagendra Master Trainers
05:00 to 05:30pm	Valedictory	Closing remarks by Dr. M. V.Ramanaiah, NRC Co-ordinator, SKR & SKR GCW(A), Kadapa

### **Brief Report :**

Chief Guest Message (Online)	Dr . Pola Bhaskar, IAS Commissioner of Collegiate Education.	
Facilitators Speeches (OnLine)	Dr. Shobita Rao (UNESCO – MGIEP)	
Moto of this TOT	Dr.P.V.Subba Reddy Master Trainer	
Introduction to SEL	Sri. S.Nagendra, Master Trainer	
Introduction to SEEK	Smt. B.Yugavani & Dr.P.V.Subba Reddy Master Trainers	
Registration of Certificate Courses ( SEEK& SEL) through Framers space	Smt. B.Yugavani, Dr.P.V.Subba Reddy & Sri. S.Nagendra Master Trainers	







**Commissionerate of Collegiate Education  
Government of Andhra Pradesh**



**Training of Trainers (TOT) 05 Day Non Residential Training  
Programme**

**on**

**Single major Subjects Zoology, Biotechnology and  
Biochemistry**

**A Report**



**11-03-2024 to 15-03-2024**

**Organized at NRC GDC Women(A), Kadapa  
Report compiled**

**by**

**(Key Resource Persons - KRPs)**

**Dr.P.Ravi Sekhar**

**Dr.Y.Savithri**

**Dr.U.Srineetha**

**Dr.Mohammad Gouse**



**Proceedings of the Commissioner of Collegiate Education::AP:Mangalagiri**  
**Present: Dr. Pola Bhaskar IAS**

**Rc.No:2/Single Major/TOT/CCE/OSD-1/AC-04/2024**

**Date: 04.03.2024**

**Sub: Collegiate Education- Single Major Subject UG Pattern - Zoology, Biotechnology & Biochemistry Subjects - Training of Trainers (TOT) 05 days Non-residential Training Programme at Nodal Resource Centers(NRCs) across the state - Scheduled from 11.03.2024 to 15.03.2024 - Communication of List of Participants and Instructions - Reg..**

\*\*\*\*\*

According to the National Educational Policy - 2020; Single Major Subject Pattern is introduced in all the Under Graduate Colleges of the Andhra Pradesh for Holistic and Multi-disciplinary learning in the Higher Education. For empowering the faculty, the UGC has launched Madan Mohan Malaviya Mission Teacher Training Programmes with an aim of improving the quality of education at all levels by infusing quality and excellence in the teachers and their teaching. In this connection the Commissionerate of Collegiate Education (CCE) has approached the HRDC/MMTC, University of Hyderabad(UOH), Hyderabad for this training and identified 21 Faculty of Zoology, 06 Faculty of Biotechnology & 03 Faculty of Biochemistry across the state have been trained as Key Resource Persons from 19.01.2024 to 31.01.2024.

In continuation to this Five Day Non-residential Training of Trainers (TOT) Programme was initiated at NRCs to all the Zoology, Biotechnology & Biochemistry Faculty (Regular, Contract, PTL and Guest) working in the GDCs on the curriculum of Single Major Subject - Zoology, Biotechnology & Biochemistry streams. This training programme was scheduled from 11.03.2024 to 15.03.2024.

In view of the above the Principals of the respective Government Degree Colleges are requested to relieve the concerned lecturers as per the Annexures (I & II) to enable him/her to attend the TOT programme with an instruction to report at the venue by 09.00 AM on 11.03.2024. As the training programme is mandatory, no exemptions will be entertained. If any Zoology, Biotechnology or Biochemistry faculty ( Regular / Contract / PTL/ Guest ) name is missed in the list, the Principals concerned has to relieve such candidate, with an instruction to attend programme, with prior intimation to the respective NRC Principal. Principals of all GDCs are requested to ensure that all the Zoology, Biotechnology & Biochemistry

faculty( Regular, Contract, PTL & Guest ) should complete the training on Single Major Subject - Zoology, Biotechnology & Biochemistry Streams and if any faculty missed out the TOT it will be viewed seriously. It is further informed to contribute Rs.1000/- per participant, which can be met from the internal funds of the respective college, to the respective NRC for food and other training arrangements. Master Trainers are permitted to claim TA from the internal resources of their respective colleges subject to the availability of funds.

**Sd/- Dr. Pola Bhaskar I.A.S.**  
**Commissioner of Collegiate Education**

**To**

The Principals of All GDCs

Copy to RJDCEs of Zone - I, II, III & IV

**Enclosures :**

Annexure I : List of TOT Venues NRC wise

Annexure II : List of Zoology, Biotechnology & Biochemistry Knowledge  
Resource Persons mapped to NRC wise

Annexure III : List of college wise Zoology, Biotechnology &  
Biochemistry Faculty( Regular, Contract, PTL & Guest)  
attending the TOT

Annexure IV : Instructions to the Faculty attending the TOT

Annexure V : Time Table of the Five Day TOT of Zoology, Biotechnology &  
Biochemistry Faculty

**// ATTESTED //**

  
**Officer on Special Duty**

**O/o Commissioner of Collegiate Education**





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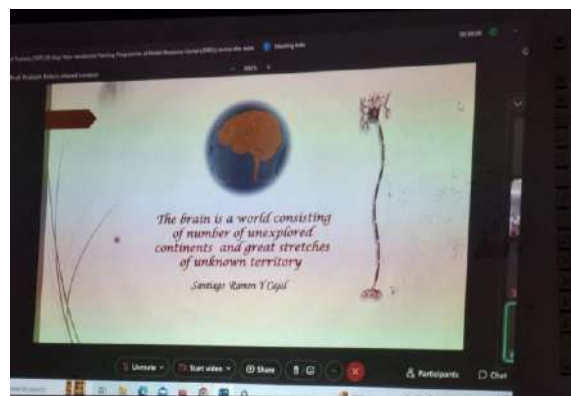
12/03/2024 | Kadapa | Page : 3  
Source : <http://epaper.prahanews.com/>

**SESSION II: 11.45 to 1.15 PM Prof. Phanithi PRKAH BABU,**  
**Department of Animal Biology, School of Sciences, School of**  
**Sciences, Hyderabad University, Hyderabad.**

**Topic: PATHOPHYSIOLOGY OF BRAIN IN DISEASES**

Prof. Prakash Babu described the brain as continuously working organ Which works from the birth. It is the organ which remembers all the memories like smell of a flower, feeling of pain etc. and its weight about 2% of its body weight. Brain consumes 20% of Blood supply. He mentioned that the brain is very sensitive to hypoxia can lead to death of brain tissue. Sir Explained the anatomy of brain very clearly. He emphasized on Cerebral Ischemia (Stroke) and Alzheimer's disease. He also Explained various animals models they have used for neurological diseases.

He also Focused the importance of FAST with respect to stroke. Sir Explained and showed various videos regarding to the Alzheimer's Disease. As per his opinion through the symptoms of AD appears suddenly they can be identified at least Sir also stress by 20 years before. He also focused the problems of AD in elderly people. Many participants are interacted with the speaker form various and also form Kadapa NRC and cleared their doubts.





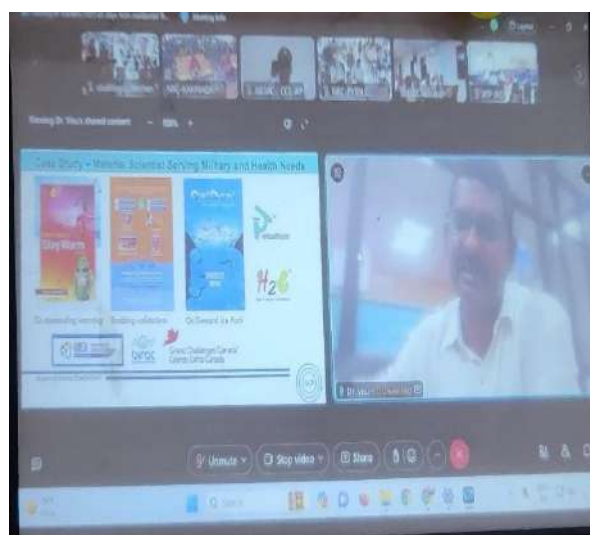
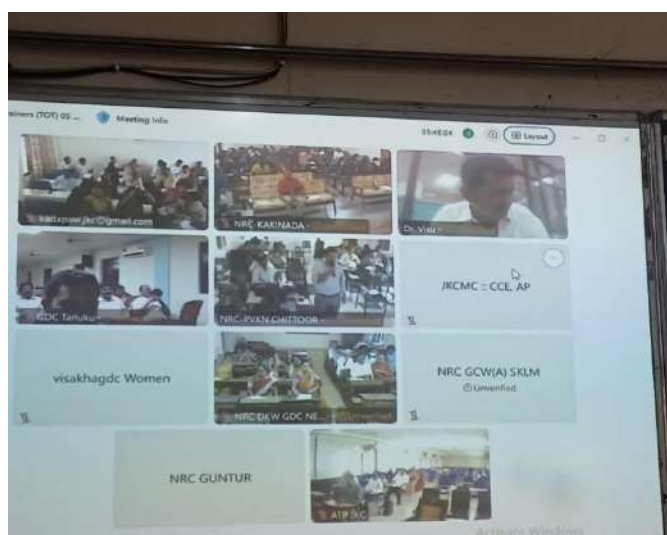
### SESSION III: 2.00 to 3.30. Dr. Viswanadh, CEO, IKP Genome Valley Hyderabad.

#### Topic: Funding opportunities and Start ups

Dr. Viswanath Well Explained about the genome valley how the genome valley is providing the facilities for the young researchers in various ways. He also explained the Data formulation the filing of patents and about the industrial design. He also explained various cheaper innovations like Gel coated Organic disposal Shaving brush made with the fibers of banana plant which is very useful and cheaper device.

Renbuke Solar energy device developed by the young researcher how it is increasing the agriculture ability. Doxee bed and so many cheaper devises developed by the youngsters and are very useful and less energy provided and less expensive re very useful to the society are explained

He also focused so many innovative projects and incubated startups which is very beneficial for the society. He encouraged all the teachers and students to visit the IKP genome valley to initiate the research tempo among the faculty and students.



**SESSION IV: Dr. K. Prakash Narayana Reddy, Lecturer in Microbiology, GDCW(A), Kadapa**

**Topic: Genome Editing Technology (CRISPR-Cas9)**

He explains the Genome editing (also called gene editing) is a type of genetic engineering technique that makes highly specific changes in the DNA sequence of a living organism, essentially customizing its genetic makeup.

He also Explain different Gene editing techniques like Zinc Finger Nucleases (ZFNs), Transcription activator like effector Nucleases (TALENs) and CRISPr-Cas9). He covered What is CRISPR, where did this technology come from?, How does it work? How is it used? CRISPR stands for Clustered Regularly Interspaced Short Palindromic Repeats.

It is a family of DNA sequences found in the genomes of prokaryotic organisms such as bacteria and archaea. These sequences are derived from DNA fragments of bacteriophages that had previously infected the prokaryote. They are used to detect and destroy DNA from similar bacteriophages during subsequent infections. Hence these sequences play a key role in the antiviral defense system of prokaryotes and provide a form of acquired immunity. CRISPR is found in approximately 50% of sequenced bacterial genomes and nearly 90% of sequenced archaea.

Stage-1: Insertion of phage DNA in the CRISPR region of the host bacterium during primary infection

Stage-2: Expression of CRISPR locus and the formation of CRISPR-Cas9 complex

Stage-3: Detection and destruction of phage DNA during reinfection by the CRISPR-Cas9 complex.

Sir also Explained the history and applications of CRISPR Cas-9.





**Day -2 : 12-03-2023**

**Session 1: Dr. Y. Savithri, KRPs, Lecturer in Zoology, GDC Men (A), Kadapa**

**Topic: TOOLS FOR LMS VIDEO MAKING**

Madam explained about the guidelines of Learning Management System provided by AP CCE. She also covered the importance of LMS and Value addition like Shift from traditional pedagogy to digital pedagogy, Scientific evaluation methods with at most accuracy and speed by using PLICKERS, KAHOOT and TESTMOZ like, Connecting the students with the quality academicians the world over. Hands on experience in developing audio-video based lectures Promote the self-learning among students.

Madam also Focused on 5 Quadrants of LMS and Tools used in LMS content generation:

1.PPT: Font Is Times New Roman, Title font size is 40, Subtitle 32, text in the body less than 24, And additional inputs like animations, Images, Graphics and short videos etc.

Video: Length of the video must be in between 15-25 min in MPEG format with aspect ratio of 16:9,1024X768 pixel resolution and with 200 Mb size.

She also Explains the incorporation of web links and designing of Assignment and Self-Assessment Questions.

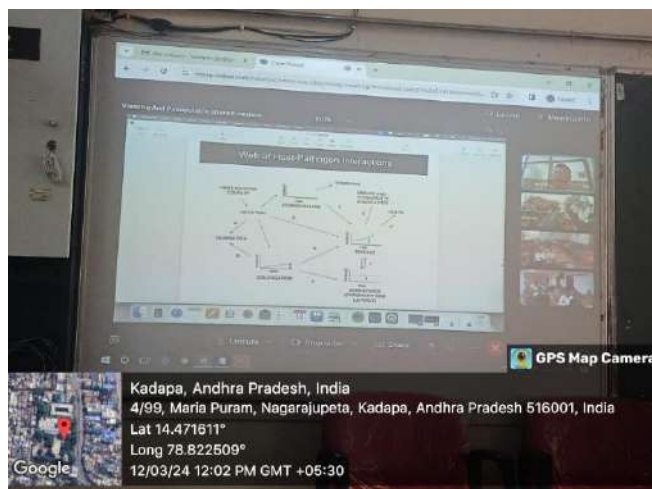
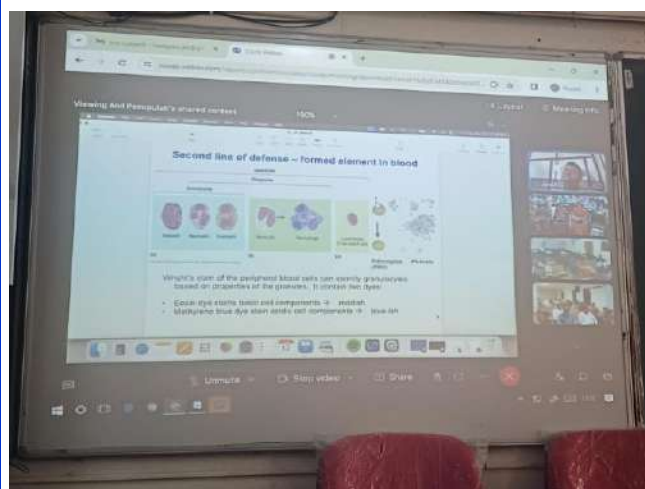
She also explained about the Video making Tool OBS, Audio editing Tool Open shot Video Editor and Video Compressor Hand break.



**Session - 2: Dr. Anil Pasupuleti, Assistant Professor, Department of Biochemistry, School of Life Sciences, University of Hyderabad.**

**Topic: EVOLUTION OF HOST DEFENCE MECHANISM**

Sir Explained the Web of Host pathogen interaction with so many examples. He also explained the sustaining mechanism of Microorganisms inside the body of host. He also explained various barriers of human body to prevent the entry of microorganism. Sir also focused and explained various first line second line third line and forth line barriers and the preventive mechanism of microbial entry. He emphasized the evolution of lymphoid organs among the vertebrates like fishes' amphibian's reptiles and mammals.



**Session -3: Prof. Sreenivasulu Kurukuti, Department of Animal Biology, School of Life Sciences, University of Hyderabad, Hyderabad, India**

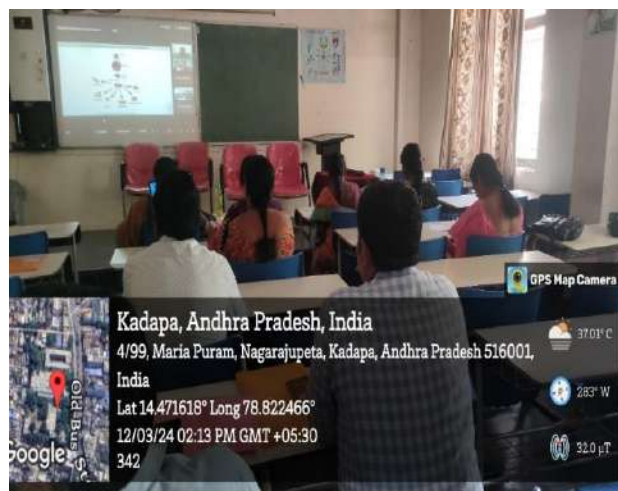
**Topic: Eukaryotic genome organization and function**

Sir Explained the genomic organization of Eukaryotic organisms. Epigenetic regulated gene expression accompanies animal development. One genome regulated to formarily of multiple cell types called Epigenetics. Nuclear genome (Chromatin) segregated in to active and repressive components. Molecular tools to understand the physical organization of genes chromosomes and genome. Sir also explained the structural functional organization of nucleus. Sir also covered various aspects of Chromosomes, genes and genome structures of Eukaryotic, Prokaryotic and Mitochondrial genome.

He explained about Epigenetics studies heritable changes in gene expression without altering DNA sequence. It explores how external factors like diet, stress, and environment can influence gene activity, impacting health and disease. Epigenetic modifications, like DNA methylation and histone modifications, regulate gene expression, potentially passing on traits across generations.

He covered Epi genetic regulated gene expressing accompany animal development. One genome regulated primarily of multiple Cell types called epigenetics. Sir explained about cell and Nucleus and Various components of cell and Nucleus.

He also explained Nuclear genome (Chromatin) segregated in to active and Repressive components. He explained the importance of Molecular tools to understand the physical organization of genes, chromosomes and genome.



#### **Session -4: Dr. U. Srineetha (KRPs), Lecturer in Zoology, GDC (W) Pulivendula.**

##### **Topic: Introduction to Omics**

Madam Explains Omics”: Known informally as omics are various disciplines in biology whose names end in the suffix – “omics”, such as genomics, proteomics, metabolomics etc. Ome”: used to address the objects of study of such fields, such as the genome, proteome or metabolome. Madam also focused on Central Dogma of Molecular Biology.

Different Omics Genomics Proteomics, Epigenetics, Lipidomics, Transcriptomics, Metabolomics Nutrigenomics, Glycomics, Pharmacogenomic, Toxicogenomics, Psychogenomics, Connectomics, Food omics etc., are explained very clearly. She also explained different types of genomics and the applications of Omics.





**Day -3 : 13.03.2024**

**Session-1: Prof. Mrinal Kanti Bhattacharyya, Department of Biochemistry, School of Sciences, University of Hyderabad.**

**Topic: DNA Replication and Repair**

Sir Explained the evidences for semiconservative mode of DNA Replication with relevant experiments. E.Coli grown in  $^{14}\text{NH}_4\text{Cl}$  containing medium is shifted to  $^{13}\text{NH}_4\text{Cl}$  Containing medium. Sir also explained about the DNA replication concepts. He explained that in humans 20000 Ori replication sites are present. Replication does not start randomly it starts at particular point only. He also thrown light on the following Concepts: Leading and Lagging strands, Prokaryotic DNA, Replication, Initiation, Elanation and Termination.etc.,



**Session-2: Dr. G. Raja Sekhar, Lecturer in Zoology, GDC(A) Anantapur.**

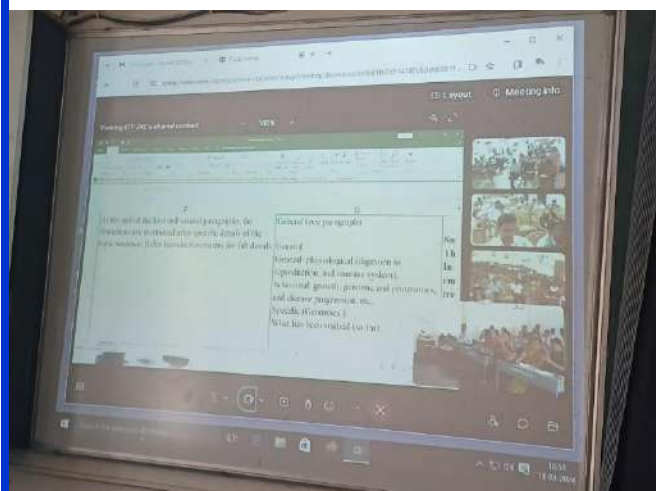
**Topic: Writing of Scientific Proposals & Funding For Science Popularization**

Sir Explained about various scientists like Alexander Fleming, Howard Florey, Norman Heatley and their research work and explained What do teachers need for incubating a scientific temper among the students. by using AI tools we can improve the content in research or academic publications of authors from English mother tongue have been rejected by editorial board.

He explained about the understanding the structure of Scientific research articles including different elements and their importance using with simple and suitable examples.

He also focused on different techniques to improve the reading and understanding ability by using different research article for any problem.

The first and important aspect of a research publication is identification of Problem.

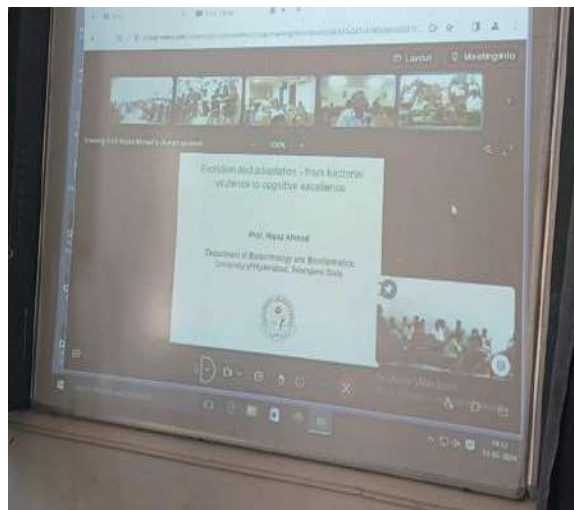


**Session -3: Prof. Niyaz Ahmed, Dept of biotechnology and Bioinformatics, School of Sciences, University of Hyderabad.**

**Topic: Evolution and adaptation-for bacterial virulence to cognitive Excellence**

Sir Explained about the core concepts and derived synthesis under Darwin's theory. Species are not immutable but change or adapt over time. Natural selection is the driver of that change or adaptation.

He also explained about the origin of DNA, RNA or Who catalyzed whom, what rules were followed for codon usage etc. He also Explained The ability of microorganisms, probiotic synthesis, difficulty of self-replication, Catalysis, competition with the other molecules, Evolution of complexity, Geochemical constraints and Experimental validation etc.,



#### **Session - 4: Dr. N. Venkata Rami Reddy, Associate Professor, Department of zoology, Yogi Veman University, Kadapa**

##### **Topic: BioEthics**

Sir Explained the definition of Ethics The branch of knowledge that deals with moral principles. Making decisions about what is morally right/good and what is morally wrong/bad, Ethics can be defined as a set of moral reactions or principles that serve as a guide for a person's actions.

He also focussed on How we can make ethical decisions and principles of Ethics and finally explained about Bioethics. Bioethics is the study of ethical issues in biology. Bioethicists are concerned with the ethical questions that arise in the relationships among life sciences, biotechnology, medicine, politics, law, philosophy, and theology. Although bioethics began as a multi-disciplinary field of study, it is now a full-fledged discipline in its own right. As technology advances ever more quickly, and questions involving its implementation become more complex, bioethics will continue to grow and become increasingly important.

Bioethics serves as a guiding framework for ethical decision-making in science and technology, ensuring that advancements prioritize human welfare and respect for life.

By addressing complex moral dilemmas, balancing risks and benefits, and promoting transparency and accountability, bioethics fosters responsible innovation and enhances public trust in scientific progress.





**Day -4 : 14.03.2024**

**Session-1: Dr.Sunanda Bhattacharya, Department of Biochemistry, University of Hyderabad.**

**Topic: Assigning Gene Function by Experimental Analysis: Gene inactivation**

Prof. Sunanda Bhattacharya, Associate, Dept of Biotechnology & Bio informatics, UoH, Hyd delivered a wonderful presentation - 'Assigning Gene Function by Experimental Analysis: Gene Inactivation' - in the first session. She elaborated the concepts of Gene inactivation, over expression, Gene expression as a function of space and time and associated proteins. She started with the ways and means of knocking out a gene, methods of Gene integration, analysis of southern blots, allelic exchange by homologous recombination, site directed mutagenesis, knocking out a gene using LOXP-CRE system & homologous recombination, CRISPR, making dsRNA and other technical aspects of Gene inactivation. The session was quite interesting and motivating.





**Session -2: Dr. S. Mohammad Gouse: Alternative models to Animal Research**

**Topic: Bioethics – Alternatives to animal models**

The second session was led by Dr. Gouse Basha, KRP & Lecturer in Zoology, GDC, Banagana Palli, He gave an extensive talk on 'Alternate Models to Animal Research'. Starting from the historical background of animal research, he traced out the development of simulation experiments in a wonderful way. Direct peptide reactivity assay & other in-vitro models, , in silico methods, computational and mathematical models, culture studies, non-invasive diagnostic imaging etc. are discussed in detail. Sir also explained about Bioethics and their importance in animal research, Alternatives to models in animal research, Data obtained from animal experimentation is reliable to the extent of human use, Non -animal testing procedures ect.,The lecture evoked good response from the participants.

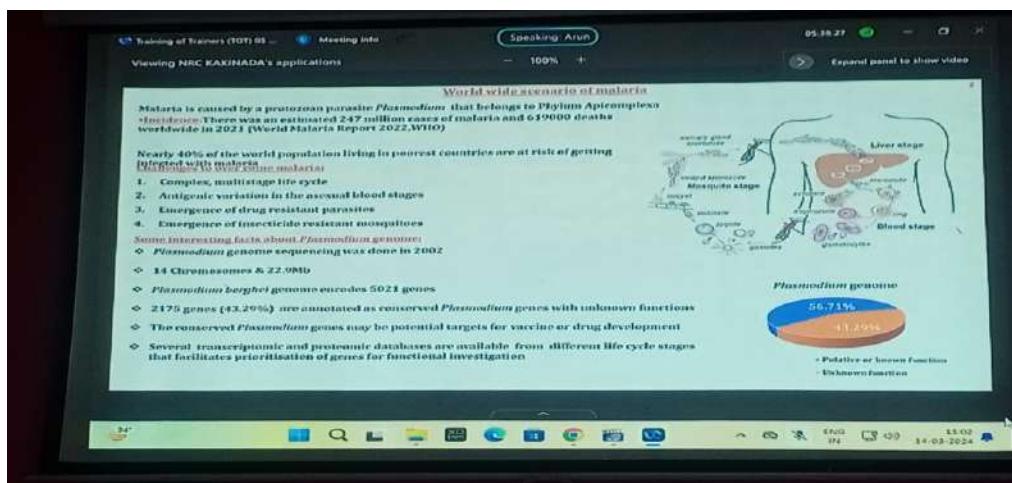


**Session -3: Kota Arun Kumar, Assistant Professor, Department of Animal Biology, School of Life sciences, University of Hyderabad.**

**Topic: World Wide Scenario of Malaria**

This session was taken by Prof. Kota Arun Kumar, Asst Professor, Dept of Animal Sciences, UoH, Hyd. 'Studies on two Plasmodium Sporozoite Proteins SIMP and RON6 that Regulate Parasite Shape' was the Topic, eliciting good response from the participants. Malaria is caused by a protozoan parasite plasmodium that belongs to phylum protozoa. He also explained major incidences of malaria throughout the world. He also Explained the life cycle of malaria parasite.

Prof Arun started with worldwide scenario of Malaria, proceeded to the important landmark discoveries in the life cycle of Plasmodium, commonly used anti-malarial, and elaborated the possibilities of developing a vaccine for malaria. He gave a vivid explanation of the structure and functional role of the two promote SIMP and RON6 and their implications in the pathogenesis and treatment of malaria.



#### **Session-4: Tools for Biological Research /Practicals: Laboratory Visit to Central Research Laboratory, Yogi Vemana University, Kadapa.**

Participants visited Dr. N. Venkata Rami Reddy Associate Professor Laboratory where Electrophoresis and polymerase chain reaction experiments were done. Thermal cycler was observed and operated by the participants where they were able to see the blocks, tubes (0.2 MI) How to run the programme and the mechanism of running of gel Electrophoresis by the obtaining product, where the casting of gel with agarose, TAE buffer and Ethidium bromide was observed. Kalpana Madam explained the importance of comb, setting the voltage and power pack was also observed and leaned PCR technique.



**Day - 5 : 15.03.2024**

**Session-1: Prof. B. Raja Sekhar, School of Management Studies, University of Hyderabad.**

**Topic: Career Guidance and counselling**

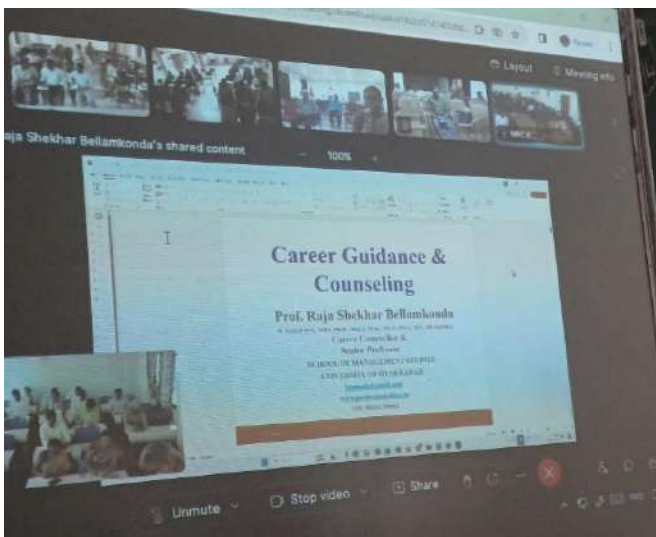
Sir Explained different aspects regarding to the student career. Sir Clearly explained about What is Career: An Occupation undertaken for a significant period of Person's life and with opportunities for Progress. Our Complex Education system and different categories of Education like Open, Distance Regular education etc., Guidance: Guidance is a process of helping every individual through his own efforts to discover and develop his potentials for his personal happiness and social usefulness. Counselling: The job or process listening to someone and giving them advice about their problem. It's a process begins by establishing a friendly relationship between the counselor and the counselee.

Career counselling services: All students who are ensure of their optional subjects.

Who are not having direction about their future career.

Career Competencies:

- 1.Accurate Self-Appraisal
2. Gathering Occupational information
- 3.Making Plants for the future
- 4.Problem solving





**Session-2: Dr.Prasad Thammineni, Department of Animal Biology, School of Life sciences, University of Hyderabad.**

**Topic: Cleansing Mechanism of the body**

What Is Autophagy

Autophagy: Degradation and Recycling

How the autophagy is happening neurons. Because as the neurons are complex in structure and more soma is present.

How the auto phagosomes are moving through the neuron?

He took the brain of mouse and the neurons are separated this mouse neuron are very rich in soma.

How the auto phagosomes share ride with endosomes explained with a suitable example of sharing the car or vehicle with the people need to travel along with us in the same direction and to the same destiny.

Sir also explains the over expression of Snapin.

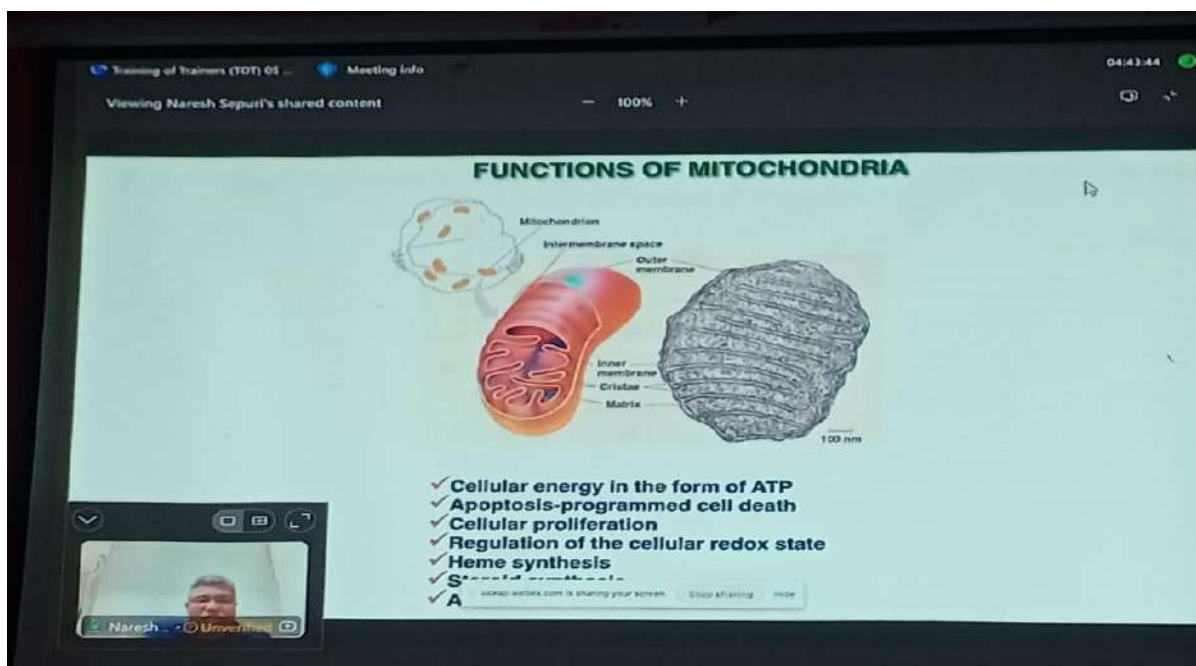


**Session-3: Prof. Naresh Babu, Department of Biochemistry, School of Life sciences, University of Hyderabad.**

**Topic: Cancer Biology**

Cancer biology and mitochondrial function are intimately linked, as dysregulation of mitochondrial processes plays a pivotal role in cancer initiation, progression, and treatment resistance. Mitochondria, often referred to as the powerhouse of the cell, are multifunctional organelles responsible for energy production, regulation of cell death pathways, redox balance, and biosynthetic processes. Here, we delve into the intricate relationship between cancer and mitochondrial biology.

Mitochondria generate adenosine triphosphate (ATP) through oxidative phosphorylation (OXPHOS) and glycolysis. Cancer cells often exhibit a metabolic shift toward aerobic glycolysis, known as the Warburg effect, despite the presence of oxygen, leading to increased glucose uptake and lactate production. This metabolic reprogramming supports the high energy demands of rapidly proliferating cancer cells and provides metabolic intermediates for biosynthesis. Dysfunctional mitochondria in cancer cells contribute to this metabolic switch, as impaired OXPHOS necessitates compensatory glycolytic activity for ATP production.



#### **Session-4: Valedictory Session**

The valedictory message was delivered by the Honorable Commissioner, Dr. Pola Bhaskar, IAS. He elucidated on the framework of the National Education Policy (NEP) and emphasized the integration of a unified educational system. Dr. Bhaskar stressed the importance of faculty members acquiring advanced technological skills relevant to their respective subjects and urged them to contribute to the holistic development of students.

Dr. P. Anil Kumar, the Officer on Special Duty (OSD), highlighted the significance of training programs aimed at enhancing research-based teaching methodologies among faculty members.

Dr. V. Saleem Basha, the Principal of SKR & SKR Government College for Women (A), Kadapa, delivered an address and distributed participation certificates to attendees.

The event featured key resource persons, including Dr. P. Ravi Sekhar, Dr. Y. Savithri, Dr. U. Srineetha, and Dr. S. Mahammad Gouse, who delivered insightful talks on various topics.











**Commissionerate of Collegiate Education  
Government of Andhra Pradesh**



**Training of Trainers (TOT) 05 Day Non-Residential  
Training Programme on  
Single Major Programme on Commerce**



**Organized at NRC GDC Women(A), Kadapa**

**Report compiled  
by  
(Key Resource Persons - KRPs)**

**Dr. B Parimala Devi  
Smt E Nikhila Priya**

**Proceedings of the Commissioner of Collegiate Education::AP:Mangalagiri**  
**Present: Dr. Pola Bhaskar IAS**

**Rc.No:3/Single Major/TOT/CCE/OSD-1/AC-04/2024**

**Date: 14 .03.2024**

**Sub:** Collegiate Education- Single Major Subject UG Pattern - Commerce Subject - Training of Trainers (TOT) 05 days Non-residential Training Programme at Nodal Resource Centers(NRCs) across the state - Scheduled from 18.03.2024 to 22.03.2024 - Communication of List of Participants and Instructions - Reg..

\*\*\*\*\*

According to the National Educational Policy - 2020; Single Major Subject Pattern is introduced in all the Under Graduate Colleges of the Andhra Pradesh for Holistic and Multi-disciplinary learning in the Higher Education. For empowering the faculty, the UGC has launched Madan Mohan Malaviya Mission Teacher Training Programmes with an aim of improving the quality of education at all levels by infusing quality and excellence in the teachers and their teaching. In this connection the Commissionerate of Collegiate Education (CCE) has approached the UGC MMTC, Jawaharlal Nehru University (JNU), New Delhi for this training and identified 21 Faculty of Commerce across the state have been trained as Key Resource Persons from 08.02.2024 to 19.02.2024.

In continuation to this Five Day Non-residential Training of Trainers (TOT) Programme was initiated at NRCs to all the Commerce Subject Faculty (Regular, Contract, PTL and Guest) working in the GDCs on the curriculum of Single Major Subject - Commerce stream. This training programme was scheduled from 18.03.2024 to 22.03.2024.

In view of the above the Principals of the respective Government Degree Colleges are requested to relieve the concerned lecturers as per the Annexures (I & II) to enable him/her to attend the TOT programme with an instruction to report at the venue by 09.00 AM on 18.03.2024. As the training programme is mandatory, no exemptions will be entertained. If any Commerce Subject faculty ( Regular / Contract / PTL/ Guest ) name is missed in the list, the Principals concerned has to relieve such candidate, with an instruction to attend programme, with prior intimation to the respective NRC Principal. Principals of all GDCs are requested to ensure that all the Commerce faculty( Regular, Contract, PTL & Guest ) should complete the training on Single Major Subject - Commerce Stream and if any faculty missed out the TOT it will be viewed seriously. It is further informed to

contribute Rs.1000/- per participant, which can be met from the internal funds of the respective college, to the respective NRC for food and other training arrangements. Master Trainers are permitted to claim TA from the internal resources of their respective colleges subject to the availability of funds.

**Sd/- Dr. Pola Bhaskar I.A.S.**  
**Commissioner of Collegiate Education**

**To**


The Principals of All GDCs

Copy to RJDCEs of Zone - I, II, III & IV

**Enclosures :**

- Annexure I : List of TOT Venues NRC wise
- Annexure II : List of Commerce Knowledge Resource Persons mapped to NRC wise
- Annexure III : List of college wise Commerce Faculty( Regular, Contract, PTL & Guest) attending the TOT
- Annexure IV : Instructions to the Faculty attending the TOT
- Annexure V : Time Table of the Five Day TOT of Commerce Faculty

**// ATTESTED //**

  
**Officer on Special Duty**  
**O/o Commissioner of Collegiate Education**





**MALAVIYA MISSION  
TEACHER  
TRAINING PROGRAMME**



**VIKSIT  
BHARAT  
@2047**

## **Training of Trainers (TOT) 05 days Non-residential Training Programme**

**Commissionerate of Collegiate Education  
Government of Andhra Pradesh**

**Single Major Subject  
Commerce Subject**



**18.03.2024 to 22.03.2024**



**Content Design  
Using AI**



**Internships**



**Incubating  
Startups**

**Research &  
Innovation**



**Major Funding  
& Publications**



**Innovative  
Pedagogy**



**New & Advanced  
knowledge**



**Exposure Visits**



**Content Design  
& Development**

**venue**

**GDC (M), Srikakulam**

**GDC (SRR&CVR)(A), Vijayawada**

**GDC (Dr. VSK)(A), Visakapatnam**

**GDC(W) Ongole**

**GDC (A) Rajahmundry**

**GDC (W)(A), Kadapa**

**GDC (A), Tanuku**

**GDC, Pileru**

**GDC (M)(A), Ananthapuramu**

Commissionerate of Collegiate Education::AP:Mangalagiri  
Five Days Training of Trainers (TOT) Single Major Subject UG Pattern -COMMERCE Subject from 18.03.2024 to 22.03.2024

**COMMERCE TOT TIME TABLE**

Date/Day	10.00 AM - 11.30 AM	11.45 AM - 01.15 PM	02.00 PM - 03.30 PM	03.45 PM - 5.15 PM
Monday 18-March-2024	Inaugural Session	Prof. Arvind Kumar Recent Trends in Commerce Education (Online Mode) 9868850379	Derivatives Session by Key Resource Person (Online Mode) Dr.G.Srinivasa Rao	Indian Financial System Session by Key Resource Person(Offline Mode)
Tuesday 19-March-2024	Prof. Kartik Dave Writing Research Proposals for funding Agencies (Online Mode) 9873099223	Overview of Financial Managment Session by Key Resource Person (Offline Mode)	Prof. Prabhat Mittal Fin-tech - Cloud, Block chain &Crypto currencies, Robo Advisors, Biometrics and IoT (Online Mode) 9868101820	Prof. HK Dangi Use of Software in Research(Online Mode) 9968316938
Wednesday 20-March-2024	Prof. Subodh Kesharwani E-Commerce (Online Mode) 08010224545	Dividend Decisions and Working Capital ManagmentSession by Key Resource Person (Offline Mode)	Prof. Hem Chand Jain Computerized Accounting System (Online Mode) 9868627490	Prof. Hem Chand Jain Computerized Accounting System (Online Mode) 9868627490
Thursday 21-March-2024	Prof. Shveta Singh Security Analysis & Portfolio Management(Online Mode) 9560770233	C A (Prof.) Ashok Sharma Financial market and Investments (Online Mode) 9811078559	Prof. Madhu Vij Experiential Learning (Online Mode) 9810828835	Stock Market Operations and Financial Literacy Session by Key Resource Person(Offline Mode)
Friday 22-March-2024	Risk Management Session by Key Resource Person (Offline Mode)	Process of Project management - Dr.B.Parimala Devi Session by Key Resource Person (Online Mode)	Prof. CS Sharma Innovative Pedagogy in Commerce (Online Mode) 9311333303	Valedictory

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**Day 1 18-03-2024**

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**SESSION-1**

**Inaugural Ceremony**

The Training of Trainers (ToT) program in Commerce, initiated by the Commissionerate of Collegiate Education, Andhra Pradesh, has commenced across Nodal Resource Centers (NRCs) in the state. This program aims to enhance the skills and knowledge of commerce lecturers and students to adapt to current trends and ensure compatibility with the evolving landscape of commerce education.

Commissioner of Collegiate Education, Dr. Pola Bhaskar IAS, inaugurated the program through online mode, emphasizing its potential benefits for both educators and students. The physical commencement of the program took place at GDC(W) Kadapa, by the Principal, Dr. V. Saleem Basha, addressed the gathering, marking the official commencement of the NRC program.







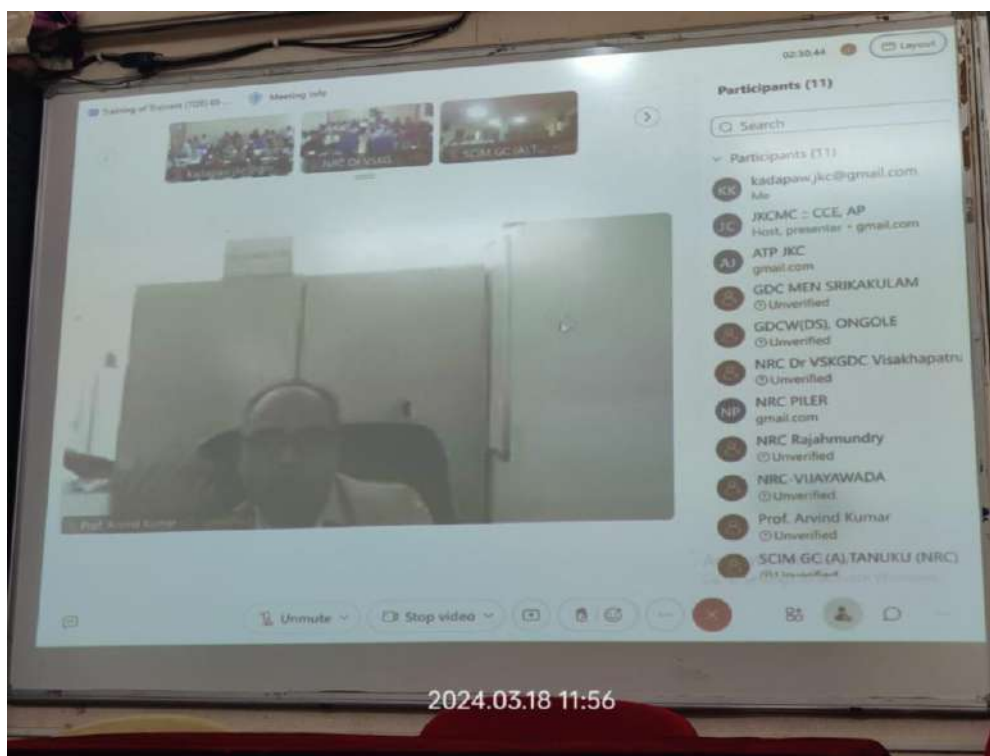


## Session-2

### Recent Trends in Commerce: A Lecture by Prof. Aravind Kumar

#### Learning Outcomes

1. **Digital Transformation:** Prof. Kumar emphasized the critical role of digital technologies in reshaping commerce practices. From e-commerce platforms to digital payment solutions, businesses are leveraging technology to streamline operations and enhance customer experiences.
2. **E-Commerce Evolution:** The proliferation of online marketplaces and the rise of omnichannel retailing were highlighted as significant trends driving growth in e-commerce. Prof. Kumar discussed how businesses are adapting to changing consumer preferences and the challenges and opportunities presented by the digital marketplace.
3. **Sustainability and Ethical Practices:** With increasing awareness of environmental and social issues, Prof. Kumar underscored the importance of sustainability and ethical practices in commerce. He discussed how businesses are integrating sustainability into their operations and the growing consumer demand for ethically sourced products and services.



4. **Data Analytics and Personalization:** Prof. Kumar explored the role of data analytics in driving business decisions and personalizing customer experiences. From predictive

analytics to targeted marketing campaigns, data-driven insights are empowering businesses to optimize their strategies and drive growth.

5. Globalization and Cross-Border Commerce: The lecture also addressed the impact of globalization on commerce, highlighting the opportunities and challenges of conducting business across borders. Prof. Kumar discussed the importance of understanding cultural differences and adapting strategies to thrive in inter Nodal markets

### **Session-3**

### **Exploring Derivatives by Dr. G. Srinivasa Rao**



During the talk, Dr.G..Srinivasa Rao covered various aspects of derivatives, including:

1. Definition and Types: He began by defining derivatives and elucidating the different types, including forwards, futures, options, and swaps. He explained how each type serves different purposes and offers unique risk management and investment opportunities.
2. Risk Management: One of the primary functions of derivatives is risk management. Dr. Rao discussed how derivatives allow market participants to hedge against price fluctuations, thereby reducing exposure to various risks, such as commodity price volatility, interest rate changes, and currency fluctuations.
3. Speculation and Investment: In addition to risk management, derivatives also serve as instruments for speculation and investment. Rao explained how traders and investors

use derivatives to speculate on future price movements and to gain exposure to asset classes they might not otherwise have access to.

4. **Pricing and Valuation:** Understanding the pricing and valuation of derivatives is crucial for both users and investors. He provided insights into the factors influencing derivative prices, such as underlying asset prices, time to expiration, volatility, and interest rates. He also discussed various valuation models and techniques used in the derivatives market.
5. **Regulatory Framework:** Given the complex nature of derivatives and their potential impact on financial markets, He touched upon the regulatory framework governing derivatives trading. He highlighted the importance of regulatory oversight in ensuring market integrity, transparency, and investor protection.

### **Session 4**

#### **Financial Shenanigans in Indian Financial system by Smt E Nikhila Priya**



#### **Learning Outcomes:**

- Scams/Financial Frauds is a topic of intense debate, discussion and inference in emerging economies like India. Over 50,000 frauds had hit banks in India during FY09-FY19. RBI Report (2019) affirms that Bank frauds worth ₹2.05 trillion happened in last 11 years in our country.
- The gravity of the fact is that, what we have created in a time span of more than 70 years since independence almost 75% of that we have lost in Bank frauds only. Most of our professional institutions, regulators and even academia is busy in performing the postmortem of such shenanigans.

- It include aggressive or creative accounting, window dressing and accounting frauds. Despite the strong regulatory framework and standards there have been an increasing number of cases of creative accounting and accounting frauds leading to massive losses to the investors and other stakeholders.

- Shenanigans are actions or omissions designed to hide or distort the real financial performance or financial condition of a company

Why do Shenanigans Exist?

What Types of Companies are Most Likely to Use Shenanigans?

Financial Shenanigan Techniques

1. Revenue Recognition- Both timing & Quantum
2. Round –Tripping
3. Channel Stuffing
4. Under-provisioning of Expenses, Losses or Liabilities.
5. Cookie Jar Accounting
6. Big Bath Accounting

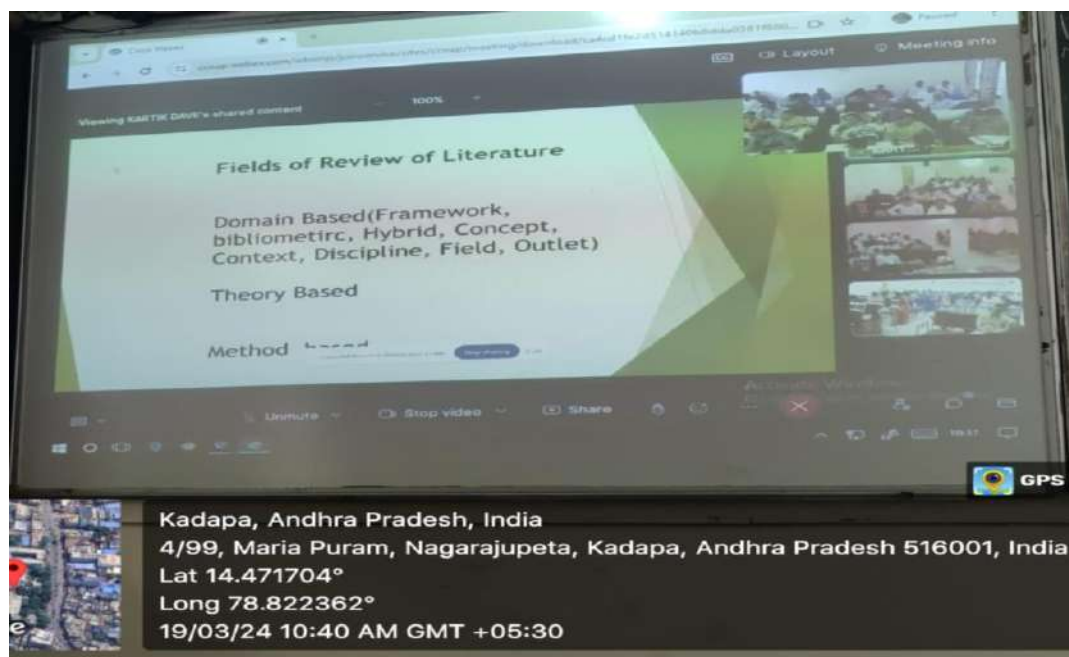
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**Day 2 19-03-2024**

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### **Session 1**

**Writing Research proposals for Funding agencies by Prof Karthik Dave**



## Learning Outcomes:

1. **Research Design and Methodology:** Learners develop a clear understanding of research design principles and methodologies relevant to their field of study. They learn how to formulate research questions, select appropriate methods, and design a robust research plan that aligns with the objectives of their project.
2. **Proposal Writing Skills:** Individuals gain proficiency in crafting well-structured, persuasive research proposals tailored to the requirements of funding agencies. They learn how to articulate the significance of their research, outline objectives, describe methodologies, and present a feasible timeline and budget.
3. **Literature Review:** Learners develop skills in conducting comprehensive literature reviews to situate their research within the broader scholarly context. They learn how to critically analyze existing literature, identify gaps in knowledge, and justify the relevance and originality of their proposed research.
4. **Critical Thinking and Problem-Solving:** Writing research proposals requires critical thinking skills to identify research problems, formulate hypotheses, and develop innovative solutions. Learners engage in critical analysis and problem-solving to address potential challenges and anticipate outcomes of their proposed research.
5. **Communication and Presentation Skills:** Individuals enhance their ability to communicate complex ideas effectively through written and oral presentations. They learn how to articulate their research goals and methodologies clearly and convincingly to funding agencies, peer reviewers, and other stakeholders.
6. **Budgeting and Resource Management:** Learners gain practical skills in budgeting and resource allocation for research projects. They learn how to estimate costs associated with personnel, equipment, materials, and other resources, and develop a realistic budget that aligns with the scope of their proposed research.
7. **Ethical Considerations:** Understanding of ethical principles and guidelines related to research conduct is emphasized. Learners learn how to address ethical considerations such as participant confidentiality, informed consent, and potential conflicts of interest in their research proposals.
8. **Peer Review and Feedback:** Engaging in the proposal writing process involves receiving feedback from peers, mentors, and reviewers. Learners develop the ability to incorporate constructive feedback, revise their proposals iteratively, and improve the quality of their research proposals based on peer review.

Writing research proposals for funding agencies fosters a range of skills essential for conducting high-quality research, including research design, proposal writing, critical thinking, communication, and ethical conduct. These skills are transferable and valuable across academic, professional, and research contexts



## Session 2

### Overview of Financial Management by Dr B Parimala Devi



#### Learning Outcomes

##### **Introduction to Financial Management:**

Dr Parimala began by defining financial management and its role in achieving organizational goals effectively. She emphasized the importance of financial planning, control, and decision-making in optimizing resources and maximizing shareholder value.

**Financial Statement Analysis:** The lecture delved into the analysis of financial statements, including the balance sheet, income statement, and cash flow statement. Dr. Parimala explained the significance of ratio analysis in assessing the financial performance, liquidity, profitability, and solvency of an organization.

**Capital Budgeting and Investment Decisions:** Dr. Parimala discussed capital budgeting techniques and the process of evaluating investment opportunities to determine their feasibility and potential returns. She elaborated on methods such as net present value (NPV), internal rate of return (IRR), and payback period analysis.

**Cost-Volume-Profit (CVP) Analysis:** The lecture covered CVP analysis, which helps in understanding the relationship between costs, volume, and profits. Dr. Parimala explained

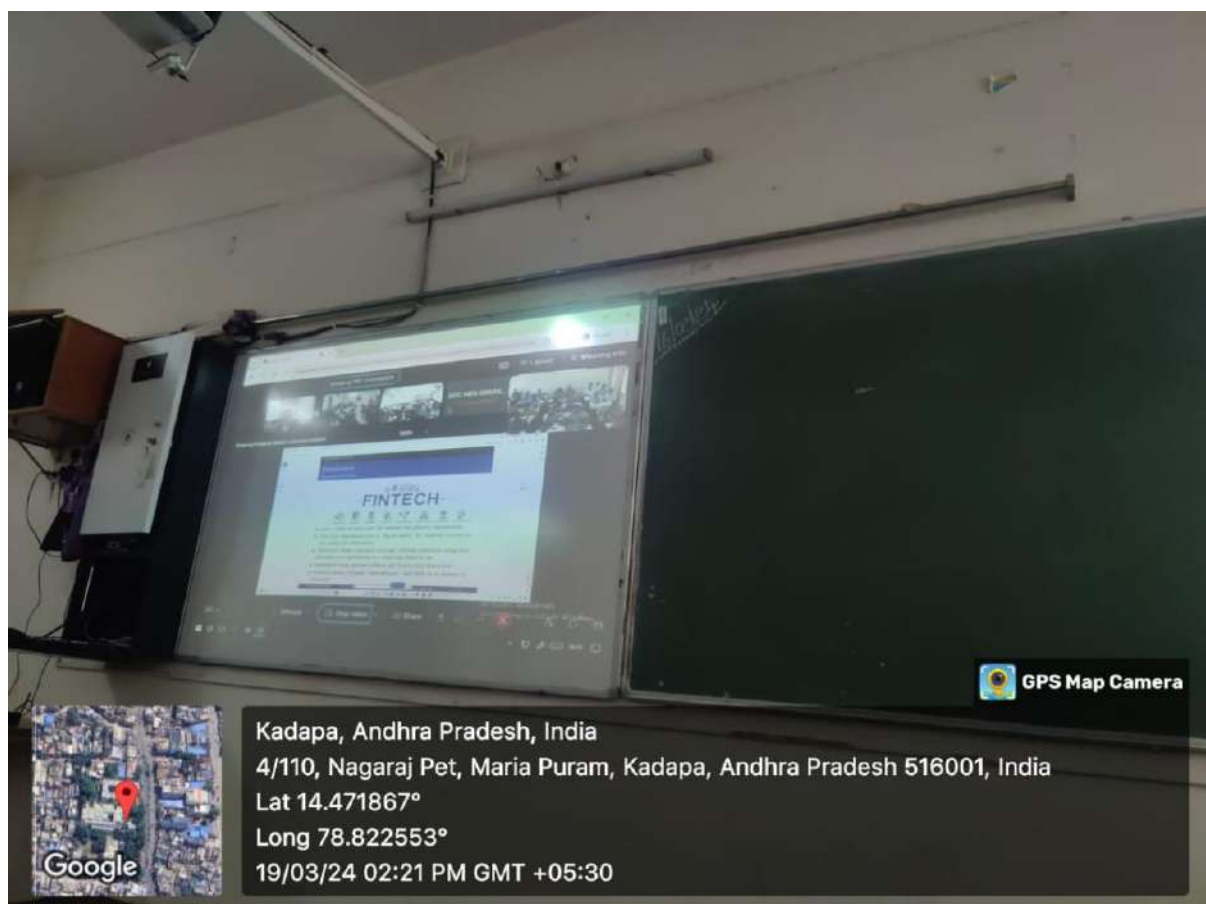
how CVP analysis aids in decision-making regarding pricing strategies, product mix, and cost control measures.

**Risk Management and Financial Markets:** Dr. Parimala provided an overview of risk management principles and strategies for mitigating financial risks such as interest rate risk, market risk, credit risk, and operational risk. She also discussed the role of financial markets in facilitating capital allocation and risk transfer.

**Working Capital Management:** The lecture addressed the importance of efficient working capital management in maintaining liquidity and supporting day-to-day operations. Dr. Parimala discussed the components of working capital, factors influencing its management, and techniques for optimizing working capital levels.

### Session 3

#### Fintech – Cloud, Block Chain & Crypto Currencies, Robo Advisors, Biometrics and IoT by Prof Prabhat Mittal



Learning Outcomes:

1. FinTech:

- Understanding the landscape of financial technology and its impact on traditional financial services.
- Exploring various FinTech applications such as digital payments, peer-to-peer lending, crowdfunding, and robo-advisors.
- Analyzing regulatory challenges and compliance requirements in the FinTech industry.
- Evaluating the role of data analytics, machine learning, and artificial intelligence in FinTech innovation.
- Developing strategies for integrating FinTech solutions into existing business models.

## 2. Cloud Technology:

- Understanding the fundamentals of cloud computing, including infrastructure as a service (IaaS), platform as a service (PaaS), and software as a service (SaaS).
- Exploring cloud deployment models such as public, private, and hybrid clouds.
- Learning about cloud security best practices and compliance considerations.
- Hands-on experience with cloud service providers like Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP).
- Designing and implementing scalable and resilient cloud architectures for FinTech applications.

## 3. Blockchain & Cryptocurrencies:

- Understanding the underlying principles of blockchain technology, including decentralization, consensus mechanisms, and cryptographic techniques.
- Exploring the applications of blockchain beyond cryptocurrencies, such as supply chain management, digital identity, and smart contracts.
- Learning about different types of cryptocurrencies and their respective use cases (e.g., Bitcoin, Ethereum, Ripple).
- Analyzing the regulatory landscape and legal considerations surrounding cryptocurrencies and blockchain-based projects.
- Developing blockchain-based solutions for financial services, including crossborder payments, asset tokenization, and decentralized finance (DeFi) applications.

## 4. Robo Advisors:

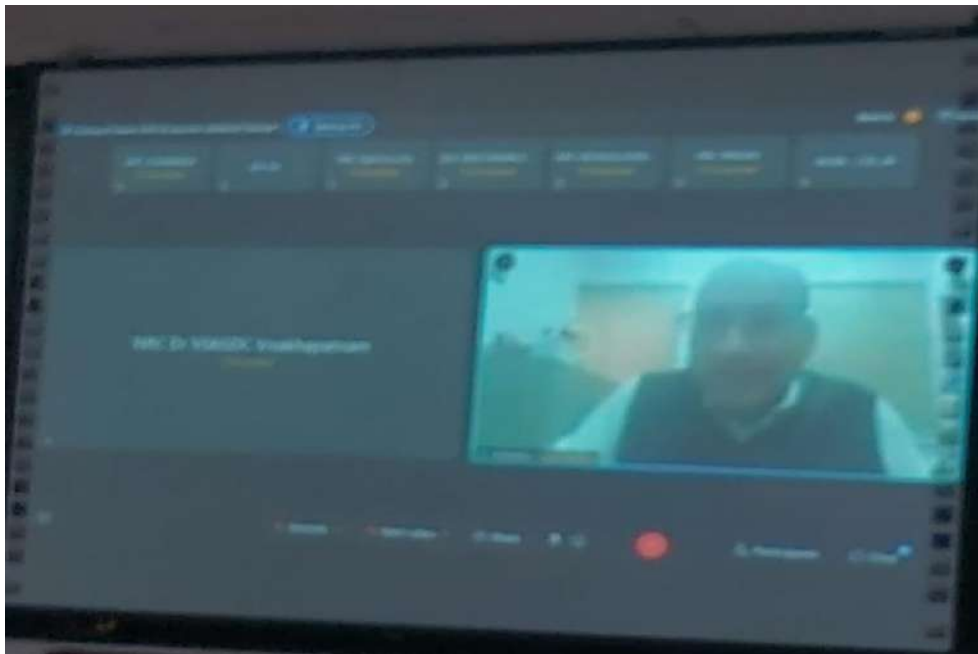
- Understanding the concept of robo-advisors and their role in automated investment management.
- Exploring the algorithms and methodologies used by robo-advisors for portfolio construction, asset allocation, and rebalancing.
- Learning about the advantages and limitations of robo-advisors compared to traditional financial advisors.
- Analyzing the impact of robo-advisors on investor behavior, market efficiency, and financial industry disruption.
- Designing and implementing robo-advisor platforms, including user interface design, risk profiling, and back-end infrastructure.

- These learning outcomes can serve as a framework for designing courses or educational programs focused on FinTech, cloud technology, blockchain, cryptocurrencies, and roboadvisors.

## **Session 4**

### **Use of Software in Research By Prof H. K Dhangui**

1. **Software Proficiency:** Participants develop proficiency in using specific software tools relevant to their field of research, such as statistical analysis software (e.g., SPSS, R, STATA), qualitative data analysis software (e.g., NVivo, MAXQDA), or programming languages (e.g., Python, MATLAB).



2. **Data Management Skills:** Participants learn how to manage and manipulate large datasets efficiently using software tools. This includes data cleaning, organization, transformation, and merging from various sources.
3. **Statistical Analysis Techniques:** Participants gain an understanding of statistical analysis techniques and how to apply them using software. This may include descriptive statistics, inferential statistics, regression analysis, factor analysis, and other advanced statistical methods.
4. **Visualization Techniques:** Participants learn how to visualize data effectively using software tools to communicate research findings. This includes creating charts, graphs, tables, and other visual representations to convey complex information in a clear and concise manner.



5. **Research Design and Methodology:** Participants understand how to design research studies and select appropriate methodologies using software tools. They learn about experimental design, survey design, sampling techniques, and data collection methods supported by software.
6. **Qualitative Data Analysis:** For research involving qualitative data, participants learn how to analyze text, audio, or video data using software tools. This may include coding, categorizing, and interpreting qualitative data to identify themes and patterns.
7. **Integration of Multiple Data Types:** Participants learn how to integrate and analyze different types of data, such as quantitative and qualitative data, using software tools. They understand how to triangulate data from various sources to strengthen research findings.
8. **Collaboration and Teamwork:** Working with software in research often involves collaboration with peers or team members. Participants develop skills in collaborative software tools, version control systems (e.g., Git), and project management platforms to facilitate teamwork and communication.

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**Day 3 20-03-2024**

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### **Session 1**

### **E Commerce By Prof Subodh Kesharwani**

#### **Learning Outcomes:**

1. **Understanding E-Commerce Fundamentals:**
  - Gain a comprehensive understanding of the principles, concepts, and technologies underlying e-commerce, including its history, evolution, and current trends.



## 2. E-Commerce Business Models:

- Explore different e-commerce business models such as B2C (business-to-consumer), B2B (business-to-business), C2C (consumer-to-consumer), and omnichannel retailing.

## 3. E-Commerce Platforms and Technologies:

- Learn about the various e-commerce platforms, software solutions, and technologies used to build and manage online stores, including content management systems (CMS), shopping cart software, payment gateways, and customer relationship management (CRM) systems.

## 4. Website Design and User Experience (UX):

- Understand the principles of effective website design and user experience (UX) for e-commerce, including layout, navigation, product presentation, search functionality, and checkout process optimization.

## 5. Digital Marketing Strategies for E-Commerce:

- Explore digital marketing strategies and tactics tailored to e-commerce businesses, including search engine optimization (SEO), pay-per-click (PPC) advertising, email marketing, social media marketing, content marketing, and influencer marketing.

## 6. E-Commerce Analytics and Metrics:

- Learn how to track, measure, and analyze key performance indicators (KPIs) and metrics relevant to e-commerce success, such as website traffic, conversion rates, average order value (AOV), customer lifetime value (CLV), and customer acquisition cost (CAC).

## 7. E-Commerce Legal and Regulatory Considerations:

- Understand the legal and regulatory issues relevant to e-commerce, including consumer protection laws, data privacy regulations, online payment security standards, intellectual property rights, and international trade regulations.

## 8. E-Commerce Operations and Logistics:

- Gain insights into the operational aspects of running an e-commerce business, including inventory management, order fulfilment, shipping and delivery logistics, and customer service management.

## 9. Mobile Commerce (M-Commerce):

- Explore the growing trend of mobile commerce (m-commerce) and learn how to design and optimize e-commerce experiences for mobile devices, including responsive web design, mobile apps, and mobile payment solutions.

10. E-Commerce Strategy and Planning: Develop strategic thinking and planning skills for launching, managing, and growing an e-commerce business, including market research, competitive analysis, pricing strategies, product sourcing, and expansion strategies.

## **Session 2**

### **Risk Management by Dr B Parimala Devi**

In this session Dr B Parimala clearly explained the concept of risk management.

She explained the steps and types of risk management process relating to the contemporary issues.



Then she emphasized on the concept of financial risk management taking an example of NINJA loans given during great depression which has adversely affected the world's economy.

She further focused on new topics like

Stress Testing followed by

Derivatives and its types.

Dr. B Parimala ended the sessions with concepts of systematic and unsystematic risks along with the statistical explanations.

The entire session was interactive and thought provoking among all the participants

### **Session 3 & 4**

#### **Computerized Accounting System by Prof Hem Chand Jain**

Learning Outcomes:

1. Understanding Accounting Principles:

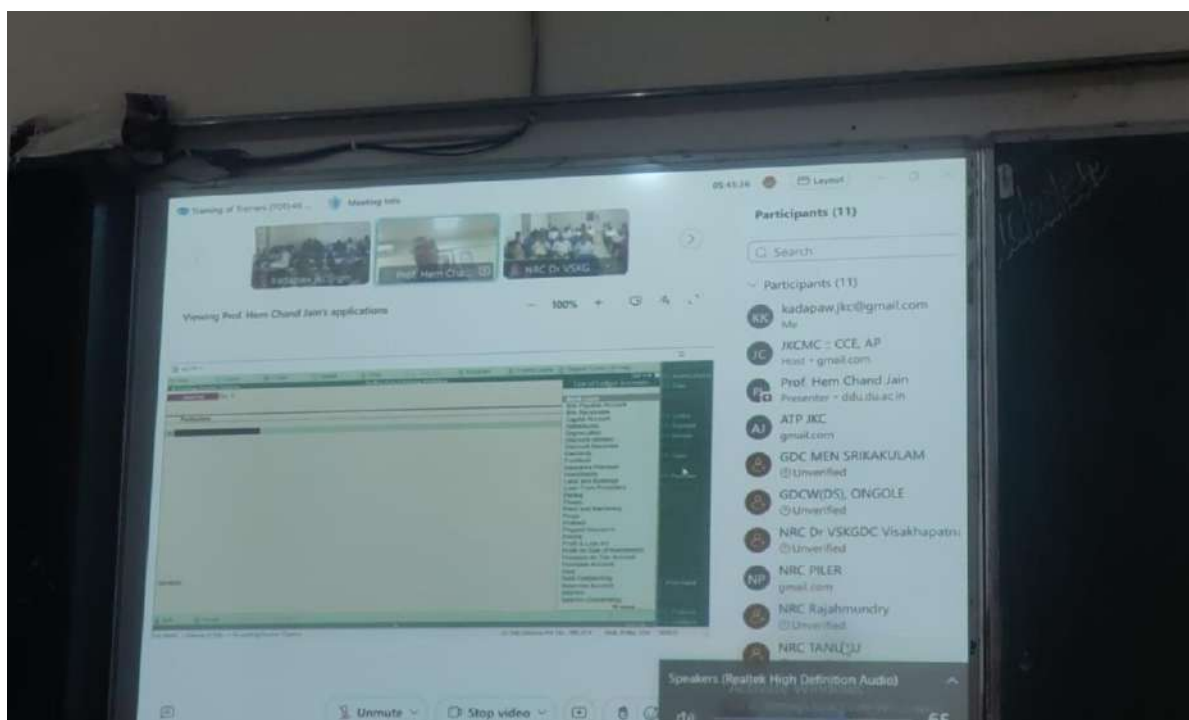
Gain a solid understanding of accounting principles, concepts, and standards, including double-entry bookkeeping, accrual accounting, and Generally Accepted Accounting Principles (GAAP).

2. Proficiency in Accounting Software:

Develop proficiency in using popular accounting software applications such as QuickBooks, Xero, Sage, or SAP, including navigating the software interface, recording transactions, generating financial reports, and customizing settings.

3. Data Entry and Transaction Processing:

Learn how to accurately enter financial data into the computerized accounting system, including invoices, payments, journal entries, payroll information, and bank transactions.





#### 4. Financial Reporting and Analysis:

Gain the skills to generate and interpret financial reports such as balance sheets, income statements, cash flow statements, and trial balances using computerized accounting software.

#### 5. Internal Controls and Security:

Understand the importance of internal controls and security measures in computerized accounting systems, including user permissions, password management, audit trails, and backup procedures.

#### 6. Integration with Other Systems:

Learn how computerized accounting systems integrate with other business systems such as inventory management, payroll processing, customer relationship management (CRM), and enterprise resource planning (ERP) systems.

#### 7. Automation and Efficiency:

Explore how computerized accounting systems automate routine accounting tasks, streamline processes, and improve efficiency in areas such as data entry, reconciliation, reporting, and analysis.

#### 8. Compliance and Regulatory Requirements:

Understand the regulatory requirements and compliance standards applicable to computerized accounting systems, including tax regulations, financial reporting requirements, and data protection laws.

#### 9. Problem Solving and Troubleshooting:

Develop problem-solving skills to identify and resolve common issues and errors that may arise when using computerized accounting systems, such as data discrepancies, software glitches, or user errors.

#### 10. Ethical and Professional Standards:

Explore ethical considerations and professional standards relevant to accounting practice, including confidentiality, integrity, objectivity, and professional skepticism, when using computerized accounting systems

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## Day 4 – 21-03-2024

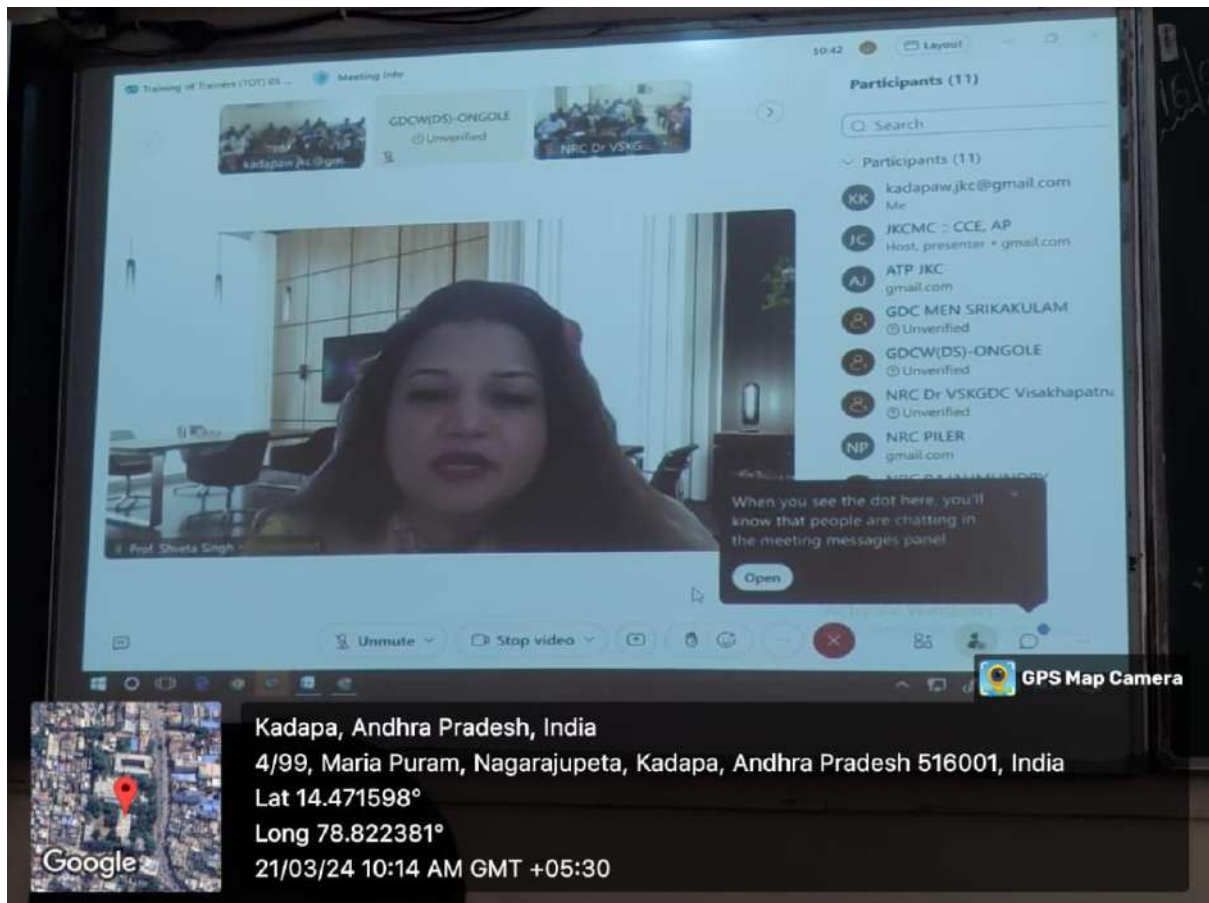
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### Session 1

### Security Analysis & Portfolio Management by Prof Shveta Singh

#### Learning Outcomes:

1. Understanding of Investment Instruments: Participants learn about various investments instruments such as stocks, bonds, options, and mutual funds. They understand the characteristics, risk-return profiles, and valuation methodologies of these instruments.



2. Risk and Return: Participants gain a deep understanding of the relationship between risk and return in investment. They learn how to assess and quantify different types of risk associated with investment securities and portfolios.

3. Portfolio Diversification: Diversification is a central concept in portfolio management. Participants learn how to construct diversified portfolios to manage risk effectively while optimizing returns.

4. **Portfolio Theory and Asset Allocation:** This involves studying modern portfolio theory (MPT) and asset allocation strategies. Participants learn about efficient frontier, capital asset pricing model (CAPM), and other theories/models used in portfolio construction.

5. **Security Valuation:** Understanding how to value securities is crucial for investment analysis. Participants learn various valuation techniques such as discounted cash flow (DCF), relative valuation, and option pricing models.

6. **Market Analysis and Forecasting:** Participants learn how to analyze financial markets, assess economic indicators, and forecast market trends. This knowledge helps in making informed investment decisions.

7. **Behavioural Finance:** Behavioural biases play a significant role in investment decision making. Participants learn about behavioural finance concepts and how to account for irrational investor behaviour in security analysis and portfolio management.

8. **Regulatory Environment:** Knowledge of the regulatory environment is essential for investment professionals. Participants learn about securities regulations, compliance requirements, and ethical considerations in investment management.

9. **Performance Evaluation:** Participants learn how to evaluate the performance of investment portfolios using various metrics and benchmarks. This involves measuring risk-adjusted returns, tracking error, and other performance indicators.

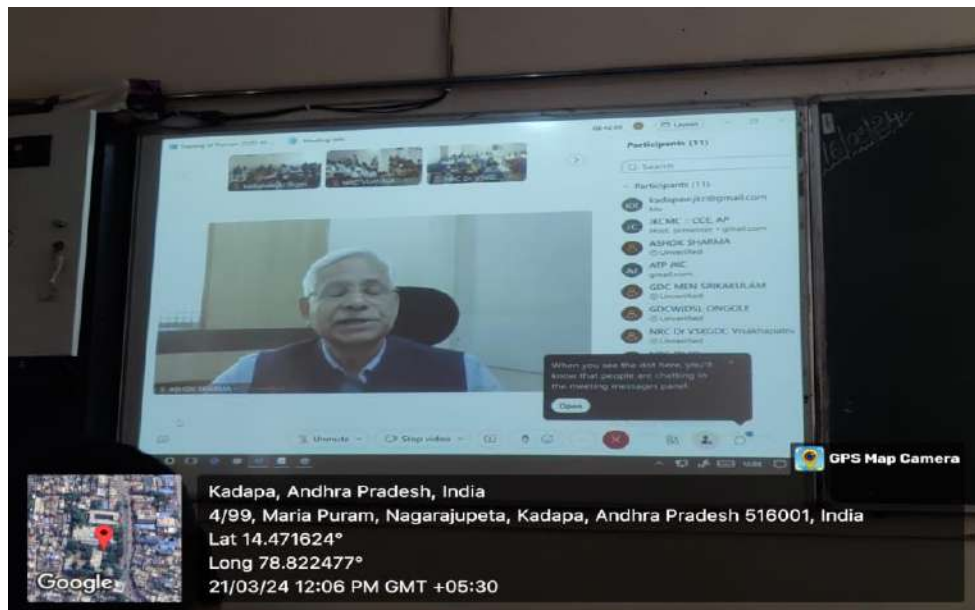
10. **Practical Skills:** Apart from theoretical knowledge, participants develop practical skills such as financial modeling, data analysis, and investment research. These skills are valuable for careers in investment management, equity research, and financial analysis

## **Session 2**

### **Financial Markets and Investments by C A (Prof.) Ashok Sharma**

#### **Key Points Covered:**

1. **Financial Market Dynamics:** Prof. Sharma commenced the session by elucidating the dynamics of financial markets, including the role of supply and demand forces, market participants, and regulatory frameworks. He underscored the significance of understanding market mechanisms in navigating the complexities of investment environments effectively.
2. **Investment Instruments:** The discussion encompassed an extensive overview of various investment instruments available in financial markets, including stocks, bonds, mutual funds, exchange-traded funds (ETFs), and alternative investments. Prof. Sharma provided detailed insights into the characteristics, risk-return profiles, and suitability of each investment option for different investor objectives.



3. Risk Management Strategies: Prof. Sharma emphasized the importance of implementing robust risk management strategies in investment decision-making. He delineated approaches for assessing and mitigating risks associated with investments, such as market risk, credit risk, liquidity risk, and geopolitical risk, thereby safeguarding investment portfolios against adverse market conditions.
4. Portfolio Construction Techniques: Attendees gained valuable insights into the art and science of portfolio construction, as Prof. Sharma expounded on strategic asset allocation, diversification, and rebalancing strategies. He underscored the significance of aligning investment portfolios with individual risk tolerance levels, investment objectives, and time horizons to achieve optimal risk-adjusted returns.
5. Economic and Market Analysis: Prof. Sharma provided attendees with practical tools and techniques for conducting economic and market analysis to inform investment decisions effectively. He discussed key economic indicators, market trends, and macroeconomic factors influencing asset prices, empowering participants to make informed investment choices in dynamic market environments.

### **Session 3**

#### **Experiential Learning by Prof. Madhu Vij**

##### **Learning Outcomes:**

The learning outcomes of Experiential Learning are unique and impactful, offering learners a hands-on, immersive approach to acquiring knowledge, skills, and understanding. Here are some key learning outcomes associated with Experiential Learning:





1. **Practical Skill Development:** Learners develop practical skills relevant to their field of study or area of interest through direct engagement with real-world tasks and challenges. This may include technical skills, problem-solving abilities, communication skills, leadership skills, and critical thinking.
2. **Deep Understanding:** Experiential Learning fosters a deeper understanding of concepts and principles by allowing learners to apply theoretical knowledge in practical contexts. Through direct experience, learners gain insights into the nuances and complexities of the subject matter.
3. **Reflection and Self-awareness:** Experiential Learning encourages reflection on one's experiences, facilitating self-awareness, personal growth, and professional development. Learners gain a deeper understanding of their strengths, weaknesses, values, and interests, enabling them to make informed decisions about their learning and career paths.
4. **Teamwork and Collaboration:** Collaborative Experiential Learning activities promote teamwork, communication, and collaboration skills. Learners engage in group projects, simulations, or problem-solving activities, learning to work effectively with others to achieve common goals.
5. **Adaptability and Resilience:** Experiential Learning experiences often involve navigating uncertain or unfamiliar situations, fostering adaptability, resilience, and the ability to thrive in dynamic environments. Learners develop confidence in their ability to tackle challenges and overcome obstacles.
6. **Real-world Application:** Experiential Learning bridges the gap between theory and practice by providing opportunities for learners to apply their knowledge and skills in real-world settings. This enhances the relevance and applicability of their learning, preparing them for success in their future careers or endeavors.
7. **Empathy and Cultural Competence:** Experiential Learning experiences that involve interacting with diverse groups of people or communities promote empathy, cultural competence, and an appreciation for different perspectives. Learners develop a broader worldview and enhance their ability to work effectively in multicultural environments.

8. **Lifelong Learning:** Experiential Learning cultivates a mindset of lifelong learning and continuous improvement. By engaging in hands-on experiences and reflecting on their learning journey, learners develop a curiosity for learning, adaptability to change, and a commitment to ongoing personal and professional development.

Experiential Learning offers a transformative educational experience that empowers learners to develop practical skills, deepen their understanding, foster personal growth, and prepare for success in a rapidly evolving world.

#### Session 4

#### Dividend Decisions By Smt E Nikhila Priya



#### Dividend Policy:

- **Dividend Concept:** Understanding dividends as returns distributed to shareholders from profits, and exploring the various forms of dividends, including cash, stock, and property dividends.
- **Influencing Factors of Dividend Policy:** Identifying factors such as profitability, stability of earnings, liquidity needs, and legal constraints that influence dividend policy decisions.
- **Dividend Theories:** Exploring dividend theories such as Walter's Model, Gordon's Model, and the Bird-in-Hand Theory, which offer different perspectives on the relationship between dividends and shareholder wealth.

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## Day 5 – 22-03-2024

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### Session 1

#### Stock Market Operations by CA P.S. Manikanta



The stock market operations session aimed to provide participants with a comprehensive understanding of how stock markets function, the various instruments traded, and the factors influencing market movements.

### Key Topics Covered

#### 1. \*Introduction to Stock Markets\*

- Definition and purpose of stock markets.
- Primary and secondary markets.
- Major stock exchanges globally and their significance.

#### 2. \*Stock Market Instruments\*

- Stocks (equities): Ownership in a company.
- Bonds: Debt instruments.
- Derivatives: Options, futures, and swaps.
- Exchange-Traded Funds (ETFs) and Mutual Funds.

### **3. \*Market Participants\***

- Investors: Retail and institutional investors.
- Traders: Day traders, swing traders, and position traders.
- Market makers and liquidity providers.

### **4. \*Market Operations\***

- Trading sessions: Pre-market, regular market, and after-hours.
- Order types: Market orders, limit orders, stop orders, etc.
- Clearing and settlement process.

### **5. \*Factors Influencing Market Movements\***

- Economic indicators: GDP, inflation, employment data.
- Corporate earnings and financial performance.
- Geopolitical events and market sentiment.

### **Key Learnings**

1. Understanding the role of stock markets in the economy.
2. Identifying different investment opportunities and risks.
3. Practicing trading strategies and portfolio management.
4. Analyzing market trends and making informed investment decisions.

### **Conclusion**

The stock market operations session provided participants with a solid foundation in stock market concepts, operations, and analysis. It equipped them with the knowledge and skills necessary to navigate the complexities of financial markets and make informed investment choices.

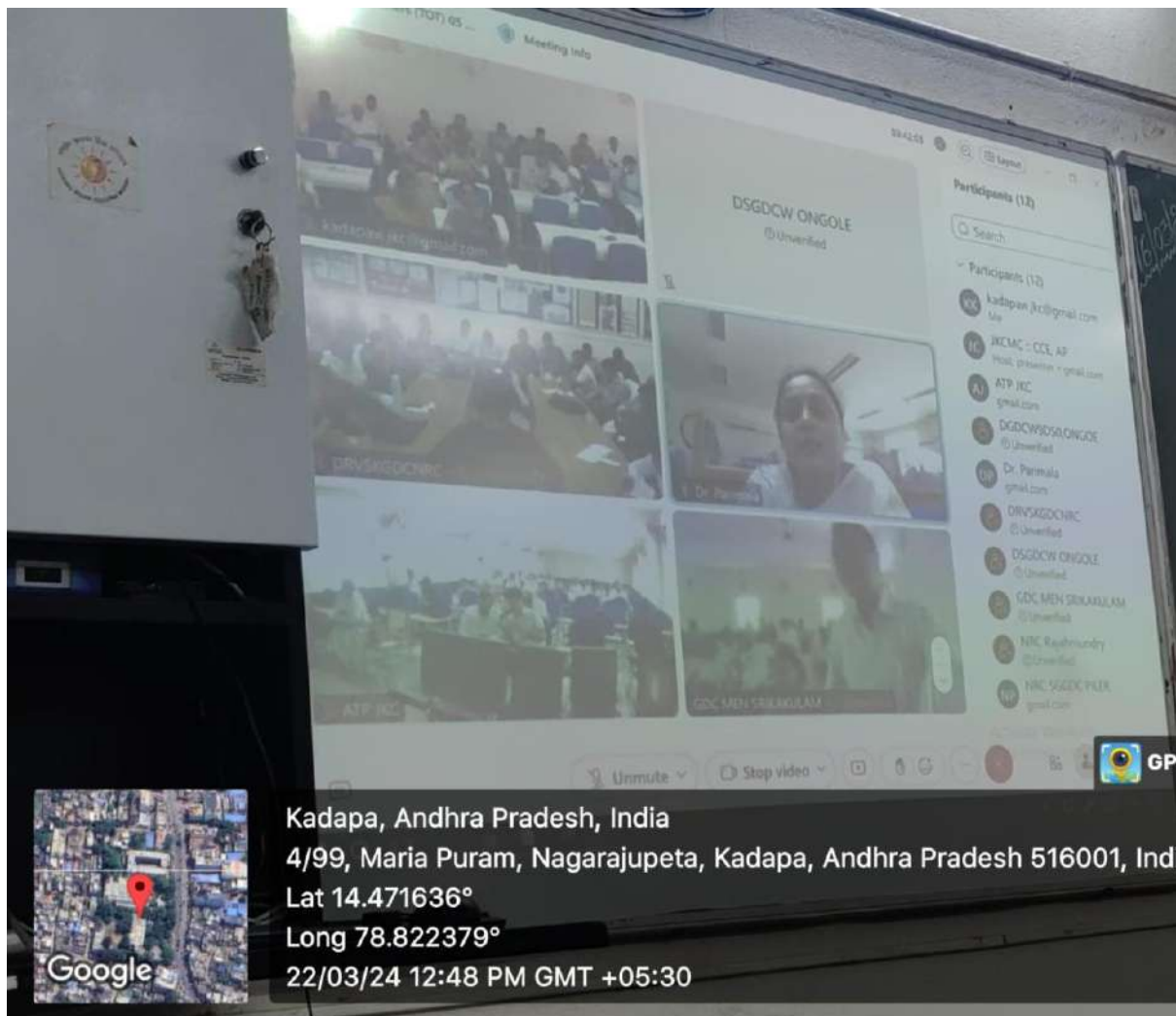
## Session 2

### Process of Project Management By Dr. B. Parimala Devi

Key Highlights of the Session:

**Introduction to Project Management:** Dr. Parimala Devi commenced the lecture by introducing the concept of project management, emphasizing its importance in achieving organizational goals efficiently. She highlighted the fundamental elements of project management, including scope, time, cost, quality, and risk.

**Project Lifecycle and Phases:** The lecture elucidated on the project lifecycle, encompassing initiation, planning, execution, monitoring and controlling, and closure phases. Dr. Parimala Devi explained each phase in detail, delineating the activities, deliverables, and stakeholders involved at each stage.



**Project Initiation:** In the initiation phase, the focus was on defining the project objectives, scope, and stakeholders' requirements. Dr. Parimala Devi underscored the significance of conducting feasibility studies, stakeholder analysis, and establishing project governance structures to ensure project success.



**Project Planning:** The lecture delved into the planning phase, where detailed project plans are developed to guide project execution. Dr. Parimala Devi discussed key aspects of project planning, including work breakdown structure (WBS), scheduling, resource allocation, and risk management planning.

**Project Execution and Monitoring:** Dr. Parimala Devi elaborated on the execution phase, emphasizing the importance of effective communication, team coordination, and stakeholder engagement. She highlighted techniques for monitoring project progress, tracking performance metrics, and implementing corrective actions as necessary.

**Project Closure:** The lecture concluded with insights into the closure phase, where project deliverables are finalized, and project outcomes are evaluated. Dr. Parimala Devi discussed the importance of conducting post-project reviews, documenting lessons learned, and celebrating project success with stakeholders.

**Case Studies and Practical Insights:** To provide practical insights, the lecture incorporated case studies and real-world examples illustrating successful project management practices. Dr. Parimala Devi encouraged interactive discussions, allowing participants to apply theoretical concepts to practical scenarios.

### Session – 3

#### Innovative Pedagogy in Commerce by Prof. CS Sharma

Prof. CS Sharma delivered an insightful presentation focusing on innovative pedagogical techniques tailored for commerce education. His talk encompassed the following key aspects:



a. Interactive Learning: Prof. Sharma emphasized the importance of fostering interactive learning environments where students actively participate in discussions, case studies, and problem-solving activities. He highlighted the benefits of collaborative learning in promoting critical thinking and knowledge retention among students.

b. Experiential Learning: The speaker discussed the value of experiential learning approaches, such as internships, industry projects, and simulation exercises, in bridging the gap between theoretical knowledge and real-world applications. Prof. Sharma emphasized the need for incorporating practical experiences into the curriculum to enhance students' skills and employability.

c. Technology Integration: Prof. Sharma explored the role of technology in transforming commerce education, advocating for the integration of innovative tools and platforms into teaching practices. He highlighted the benefits of using multimedia resources, online learning platforms, and virtual classrooms to create engaging and interactive learning experiences for students.

D. Case-Based Learning: The speaker emphasized the effectiveness of case-based learning methodologies in commerce education, where students analyze real-life business scenarios and develop solutions based on theoretical concepts. Prof. Sharma underscored the importance of using relevant and contemporary case studies to stimulate critical thinking and decision-making skills among students.

Conclusion: The seminar concluded with closing remarks, expressing gratitude to Prof. CS Sharma for his invaluable contribution to the exploration of innovative pedagogy in commerce education. Attendees left the session inspired and equipped with new perspectives and strategies to enhance their teaching practices and enrich the learning experiences of their participants.

# VALEDICTORY SESSION





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## FEEDBACK FROM THE PARTICIPANTS

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## CERTIFICATE DISTRIBUTION









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