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Capacity Development Workshop on
Empowering Educators through AI and Practical
Laboratory Tools



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Organized by
Department of Education
Maharashtra Government
For Women's University
Mumbai, India







Capacity Development Workshop on Empowering Educators through AI and Practical Laboratory Tools

26 - 30 May 2026



Organized by Department of Laboratory Sciences, Kallit Multiple Campus

For Ministry of Education
Kallit Multiple Campus
Certificate of Appreciation
Presented to
Ms. N. Ranjitha
For her contribution to a Successful Workshop on Capacity Development Workshop on Empowering Educators through AI and Practical Laboratory Tools, organized by the Department of Laboratory Sciences, Kallit Multiple Campus, from 26-30 May, 2026.

Dr. S. S. Sankaranarayanan
Head of Department,
Laboratory Sciences,
Kallit Multiple Campus

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Head of Department,
Laboratory Sciences,
Kallit Multiple Campus







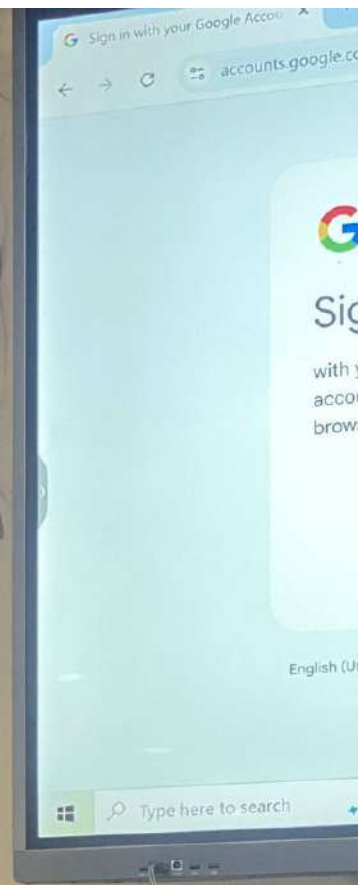
Capacity Development Workshop on Empowering Educators through AI and Practical Laboratory Tools



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Antimicrobial Testing of Natural
Products

Determination of MIC and MBC/MFC using plant
extracts and essential oils

Gorkha Raj Giri, PhD
Senior Scientist

Special Research Centre of Medicinal plants,
NAST, Sudurpaschim Province

What are hazards in a laboratory ?

1. Biological hazards
bacteria, viruses, parasites, protozoa, fungi.
2. Chemical hazards
harmful chemicals.
3. Physical hazards
UV, X-ray, isotopes.
4. Natural hazards
fire, earthquake, flood, storm, lightening.
5. Cultural hazards
unsafe working conditions, poor knowledge and supervision, criminal assault.
6. Lifestyle hazards
smoking, drinking alcohol, eating food, unsafe sex.
7. Accidental hazards
handling glassware, setting of apparatus, electric shock.


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Organized by
Department of General Science
Kavit, Multi-Campus
For Women University
Thiruvananthapuram, Kerala

What is practical work for?



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graph LR; A[Domain of theory and observation] -- practical work --> B[Domain of theory]; A -- feeds on --> B; B -- feeds on --> A;
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The central purpose of practical work is to help students to make links between these two domains. (Bishop, 2015)











