



बिरसा मुंडा ट्रायबल युनिवर्सिटी

Birsa Munda Tribal University

राजपिपला, जि. नर्मदा Rajpipla, Dist. Narmada

Established by Tribal Development Department, Govt. of Gujarat

School of Science

B.Sc. (Chemistry) Programme

Subject Code & Subject Name: BS02AECHE2 Scientific Communication Skills

Teaching and Evaluation Scheme:

Teaching Scheme				Examination Scheme			
Credits				Component Weightage			
				CCE		SEE	
L	T	P	Total	TH	PWE	TH	PWE
2	-	-	2	25	00	25	00

Programme Name	B.Sc. (Chemistry)
Semester	II
Course Code	BS02AECHE2
Course Title	Scientific Communication Skills
Course Content Type (Th./Pr.)	Theory
Course Credit	2
Sessions+ Lab. Per Week	2
Total Teaching/Lab. Hours	30 Hours
* 2 Laboratory = 1 Session	

Learning Objectives

- To develop effective communication skills tailored for scientific contexts
- To enhance presentation and public speaking skills for scientific topics
- To improve collaborative communication skills for scientific research and projects

Prerequisites (if any)

Learning Outcomes

On the Completion of this course, students will able to:

- Communicate scientific ideas both verbally and in writing
- Deliver clear and engaging presentations on scientific topics
- Collaborate effectively in group discussions and research projects





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Detailed Contents		
UNIT	TOPIC/SUB-TOPIC	TEACHING HOURS
I	Unit 1: Scientific Communication <ul style="list-style-type: none">Fundamentals of Scientific Communication: Clarity, Precision, and ObjectivityCommunicating Scientific Data: Graphs, Tables, and FiguresWriting Abstracts, Summaries, and Scientific Reports	15
II	Unit 2: Presentation and Public Speaking <ul style="list-style-type: none">Techniques for Effective Scientific PresentationsUse of Visual Aids in PresentationsPublic Speaking Skills: Clarity, Engagement, and Confidence	15
Reference Books		
<ul style="list-style-type: none">Alley, Michael. The Craft of Scientific Writing. Springer.Peat, Jennifer, et al. Scientific Writing: Easy When You Know How. BMJ Books.Day, Robert A., and Barbara Gastel. How to Write and Publish a Scientific Paper. Cambridge University Press.		

L:: Lecture, **T::** Tutorial, **P::** Practical

CCE:: Continuous and Comprehensive Evaluation

(CCE Theory includes Mid Semester Examination, Assignment, MCQ quizzes, Seminar, Reflective notes, class participation, case analysis and presentation, slip tests (announced/surprised), attendance etc. or any combination of these)

PWE:: Practical Work Examination

(PWE includes Laboratory practical work, project work, viva simulation exercise work etc.)

SEE:: Semester End Evaluation

