

Mahatma Gandhi College, Iritty

P.G. Department of Mathematics

Bridge Course

A bridge course on the fundamentals of Differentiation and Integration was conducted by Second M.Sc students for the first year B.Sc. Students. The course aimed to fortify students with the Mathematical Foundation. The differentiation segment covered differentiation rules, differentiation by substitution, by parts etc. In the integration section, emphasis was on techniques, definite and indefinite integrals. MSc mentors facilitated a collaborative learning environment, addressing queries and doubts effectively. The course enhanced participants' grasp of calculus, nurturing their analytical skills for further studies. Overall, the bridge course successfully bridged the gap between MSc and BSc levels, fostering a stronger Mathematical base for first year students.

Date	Student Teacher	Class	Number of Students attended	No. of Hours
18.07.24	Aiswary K	I BSc Mathematics		1
	Alka			
22.07.24	Aiswary K	I BSc Mathematics		3
22.07.24	Alka	I BSc Physics		3
	Fidha			
22.07.24	Varsha P	I BSc Computer Sc		3
	Varsha K			
22.07.24	Lavanya	I BSc Chemistry		
23.07.24	Aiswarya K	I BSc Mathematics		
23.07.24	Varsha P	I BSc Computer Sc		
	Varsha K			
23.07.24	Hashana	I BSc Physics		
	Fidha			
23.07.24	Lavanya	I BSc Chemistry		

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22.07.24	Alka	I BSc Physics		3
	Fidha			
22.07.24	Varsha P	I BSc Computer Sc		3
	Varsha K			
22.07.24	Lavanya	I BSc Chemistry		
	Stephy			
24.07.24	Aiswarya K	I BSc Mathematics		
24.07.24	Vyshnavi	I BSc Chemistry		
	Stephy			
24.07.24	Achu C	I BSc Physics		
	Jumana			
	Devika			

Basics of Differentiation and Integration

No. of Contact hours : 20

Unit I (10 hrs)

Text Book: Differential Calculus, Shanti Narayanan and P.K Mittal

Derivatives of Standard functions, Rules of differentiation, parametric Differentiation

Sections- 4.3 to 4.10

Unit II (10 hrs)

Text Book: Integral Calculus, Shanti Narayanan and P.K Mittal

Quick Review of basic integration

Sections- 8.1 to 8.5







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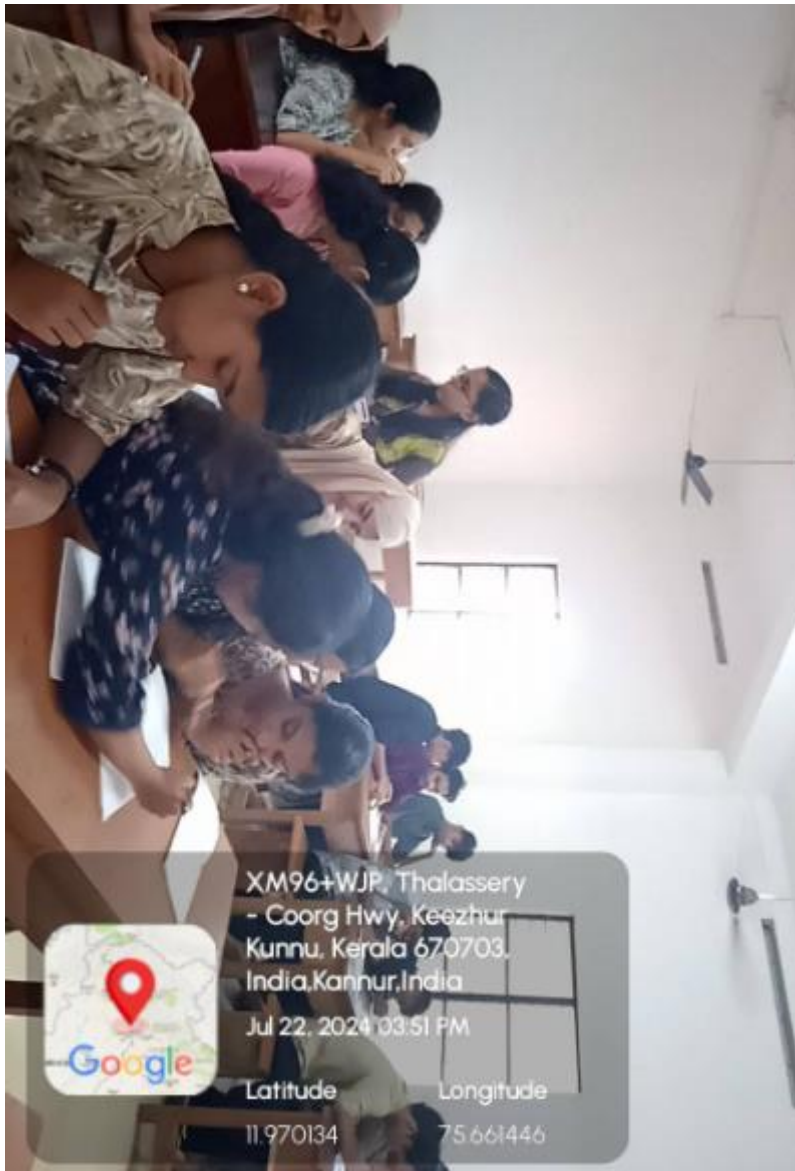
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India,Kannur,India

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India, Kannur, India

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MAHATMA GANDHI COLLEGE IRITTY
TIME TABLE (22.07.2024)

DAY	CLASS	I HOUR	II HOUR	III HOUR	IV HOUR	V HOUR
MONDAY	I BCOM	AEC1	Major	AEC2	Major	
	I BBA	Major	AEC1	AEC2	Major	
	I COMP.SC	Mathematics Bridge Course			AEC2(Mal-I BSc Maths class, Hindi-I BSc Physics Class)	
	I MATHS	Mathematics Bridge Course			AEC2(Mal-I BSc Maths class, Hindi-I BSc Physics Class)	
	I PHYSICS	Mathematics Bridge Course			AEC2(Mal-I BSc Maths class, Hindi-I BSc Physics Class)	
	I CHEM	Mathematics Bridge Course			AEC2(Mal-I BSc Maths class, Hindi-I BSc Physics Class)	
	II PHYSICS	Main	SL	ENGLISH	Comp Sc(P)	Comp Sc(P)
	II MATHS	Statistics	SL	ENGLISH	Main	Main
	II CHEM	Main	SL	ENGLISH	Physics(P)	Physics(P)
	II COMP.SC	Statistics	Main	Main	Main	Main

MAHATMA GANDHI COLLEGE IRITTY
TIME TABLE (23.7.2024)

DAY	CLASS	I HOUR	II HOUR	III HOUR	IV HOUR	V HOUR
TUESDAY	I BCOM	AEC2	Major	AEC1	Major	
	I BBA	AEC2	AEC1	Major	Major	
	I COMP.SC	Mathematics Bridge Course			Major	
	I MATHS	Mathematics Bridge Course			Major	
	I PHYSICS	Mathematics Bridge Course			Major	
	I CHEM	Mathematics Bridge Course			Major	
	II PHYSICS	Maths	Maths	Comp Sc	SL	
	II MATHS	Statistics	Statistics	Comp Sc	SL	
	II CHEM	Main	Physics	Main	SL	
	II COMP.SC	Statistics	Statistics	Main	Main	

MAHATMA GANDHI COLLEGE IRITTY
TIME TABLE (24.07.2024)

DAY	CLASS	I HOUR	<u>II HOUR</u>	<u>III HOUR</u>	<u>IV HOUR</u>	V HOUR
WEDNESDAY	I BCOM	AEC1	AEC2	Major	Major	
	I BBA	Major	AEC2	Major	AEC1	
	I COMP.SC	Mathematics bridge Course		Major	AEC2	
	I MATHS	Mathematics bridge Course		Major	AEC2	
	I PHYSICS	Mathematics bridge Course		Major	AEC2	
	I CHEM	Mathematics bridge Course		Major	AEC2	
	<u>II PHYSICS</u>	Main	<u>Maths</u>	ENG	Comp Sc	SL
	<u>II MATHS</u>	Main	Statistics	ENG	Comp Sc	SL
	<u>II CHEM</u>	Main	Physics	ENG	<u>Maths</u>	SL
	<u>II COMP.SC</u>	Main	Statistics	Main	<u>Maths</u>	Main

