HINDUSTHAN COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS) COIMBATORE DEPARTMENT OF MATHEMATICS INTERDEPARTMENTAL ACTIVITIES (2022 – 2023)

Interdepartmental Programmes conducted by the Mathematics Department

S.No	Date	Name of theFaculty	Class	Title of the SDP	No of Students Benefited
1	01.11.2022	Mrs.M.Subhashree	II BSc CGS	Nature and Scope of Operation Research	50
2	02.11.2022	Mrs. L.DhivyaPrabha	II BCA - C	Application Of Operation Research InDigital Field	43
3	07.11.2022	Mrs. R.MohanaPriya	II BCA -B	Interesting Facts About Mathematics	46
4	08.11.2022	Dr.D.Mallika	I BCA - C	Application of Graph theory	56
5	09.11.2022	Dr.K.Sasikala	I BSc IT - A	Real life Application of Relation	65
6	10.11.2011	Dr.D.Mallika	I BSc CT - A	Applications of Graph theory	52
7	21.11.2022	Mrs. VyshnaUnni	II BCA-A	Fascinating Applications of Linear Programming	45
8	21.11.2022	Mrs. P.Jagadeeshwari,	II BSc Mathematics	Applications of Discrete Mathematics	14
9	21.11.2022	Mrs.M.Subhashree	I B.Sc CS A	Real Life Applications of Graph theory	55
10	22.11.2022	Dr.M.Rajarajeswari	I BSc CS B	Mathematical Thinking In Computer Science	52
11	22.11.2022	Mrs. J.Radhalakshmi	II B.Sc CS (A)	Real World Applications of Operations Research	60
12	22.11.2022	Mrs. Y.Angelpriya	II B.Sc.CT -B	Advantages and Disadvantages of CPM and PERT	45
13	22.11.2022	Mrs.M.Subhashree	I B.Sc CT B	Real Life Applications of Graph theory	55

14	23 11 2022		I BSc Mathematics	Application Of Analytical Geometry In Real Life	08
15	23.11.2022	Ms. M. Muthuselvi			08
15	23.11.2022	Mrs. J.Radhalakshmi	II Bsc Biotech	Application of Statistics in Daily life	25
16	23.11.2022	Mrs. P.Jagadeeshwari	II BSc IT A	Applications of Operation Research	63
17	24.11.2022	Ms. M. Muthuselvi	I B.Sc CGS	Discrete Mathematics For Computer Science	51
18	24.11.2022	Mrs. VyshnaUnni	II B.Sc. CS- B	Solving LPP by using TORA	63
19	24.11.2022	Mr. M.V.Baladhandapani	I BSc IT - B	Graph theory and Applications	61
20	24.11.2022	Mrs. P.Jagadeeshwari	I BCA - B	Applications of Graph theory	63
21	26.11.2022	Mrs. S. S.Karunalakshmi	I BSc Mathematics	Applications of Group theory	13
22	28.11.2022	Mrs. S. S.Karunalakshmi	I BCA A	Applications of Graph theory	60
23	28.11.2022	Mr. M.V.Baladhandapani	I BSc AI & ML	Graph theory and Applications	58
24	29.11.2022	Mrs. S. S.Karunalakshmi	II BSc IT	Applications of Network	60
25	29.11.2022	Mr.M.V.Baladhandapani	II B.Sc.(CT)-A	Advantages and Disadvantages of CPM and PERT	57
26	29.112022	Mr.M.V.Baladhandapani	I BSc CS - C	Graph theory and Applications	57
27	02.03.2023	Mr. M.V. Baladhandapani	I B.Sc IT B	I B.Sc IT (B) - Applications of Linear Algebra	60
28	10.03.2023	Dr. K. Sasikala	I BSc IT A	I BSc IT A - Application of Interpolation	67
29	10.03.2023	Mrs. VyshnaUnni	I B.Sc CT B	I B.Sc CT- B - The Math Needed for Computer Technology	38
30	13.03.2023	Dr.M.Rajarajeswari	I B.Sc CS B	I B.Sc CS B - Numerical Methods for computer science.	45
31	16.03.2023	Mr. M.V. Baladhandapani	I B.Sc AI & ML	I B.Sc IT B Applications of Interpolation	60
32	20.03.2023	Mrs. J. Radhalakshmi	I B.Sc Maths	I B.Sc Maths – Application of Statistics in real life (ANOVA)	06
33	20.03.2023	Mrs. P.Jagadeeshwari	II B.ScMaths	II B.Sc Maths – Applications of Real Analysis	14

34		Mrs. S.Karuna Lakshmi	I BCA A	I BCA A - Programme on network	
	21.03.2023			applications	52
35		Mrs. P.Jagadeeshwari	I BCA B	I BCA B - Applications of Numerical	
	21.03.2023	C		methods	66
36					
	30.03.2023	Dr. D.Mallika	I BCA C	I BCA C - Application of Graph Theory in real life	56
37					
		Mrs. VyshnaUnni	I B.Sc CS with	LD So CS with CCS A Computer	
	03.04.2023		COS	Science Perceptive on Graph Theory	40
38					
		Ms. M.Subhashree	I B.Sc CS A		
	10.04.2022			I B.Sc CS A - Application Numerical Methods in Various fields	15
39	19.04.2023	Mar C Kamara Labahari	III B Sc Maths	Wethous in Various neius	43
57	19.04.2023	Mirs. S.Karuna Lakshmi		III B.ScMaths - Application of LPP	13
40					
		Mrs. J. Radhalakshmi	II B.Sc		
	20.04.2023		Microbiology	II B.Sc Microbiology – Application of Mean, Median, Mode in Real life	40



Nature of the Event (Workshop, Se FDP, Extension Activities, Guest Le	eminar, ST ecture,	STUDENT DEVELOPMENT PROGRAMME					
EDP, MDP, etc.)							
Name of Department/ Cell/ Club	PO	PG & Research Department of Mathematics					
Date/s	01.11.2022	No. of Day/s	1				
Convenor and Coordinator Detail	S Co Dr Pro De Hi	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science.					
	Co M As De Hi	Coordinator M.SUBHASHREE Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.					
Stratum of the Event (Regional, St	tate, De	Department Level(Cognitive System)					
National, International)	Na	Nature and Seens of the Operation Research					
Vopuo		F-202					
venue	E-	SURHASHREF					
Resource Person/s Details (Affiliat Designation)	tion and As De Hi	Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.					
Scope of the Event	Or sci of the air op	Operational Research can be simply formulated as the science of rational decision-making along with the study of the synthesis of intricate problematic situations. Thus, the nature of operations research is purely scientific as it aims at determining the systematic behaviour and hence optimizing the results.					
Deliberations/ Discussions	1. 2. 3. 4. 5.	Identifying a problem that need Constructing a model arou resembles the real world and va Using the model to derive solut Testing each solution on the r success. Implementing the solution to the	s to be solved. nd the problem that riables. ions to the problem. nodel and analyzing its e actual problem.				

Outcomes of the Event	The field of operations research provides a more powerful approach to decision making than ordinary software and data analytics tools. Employing operations research professionals can help companies achieve more complete datasets, consider all available options, predict all possible outcomes and estimate risk.
Remarks and Feedback on the Event	This event held with interest
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	50
Image of the Event Brochure	Photographs of Event
Approved by AICTE Autonomous Affiliated to Bharathiar University Accredited by NAAC City Campus, Nava India, Avinashi Road, Coimbatore -28 +91-422-4440555 Micas@hindusthan.net	
MATHEMATICS	FON
RESEARCH CLASS: II B.Sc CGS DATE: 1.11.2022 VENUE: E203 CONVENOR Co-Ordinator Dr.S.ANURADHA M.Subhashree	
Professor&Head Assistant Professor	

HICAS HAD CONTRACT AND CONTRACT				HICAS/MAT/No.16			
Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)			Student Development Programme				
Name of Department/ Cell/ Club			PG & F	lesearch	Department of N	Mathematics	
Date/s	02.11.	2022		No. of	Day/s	1	
Convenor and Coordinator Details Convenor and Coordinator Details Co-o Assis Depa Hind Co-i			Convenor Dr S. ANURADHA Head and Professor, Department of Mathematics, Hindusthan College Of Arts and Science. Coimbatore. Co-ordinator Mrs. L.DHIVYA PRABHA, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore				
Stratum of the Event (Regional, State, National, International)			DEPARTMENT LEVEL –COMPUTER APPLICATION				
Title of the Event		Application of Operation Research In Digital Field					
Venue		D-BLOCK ROOM NO:503					
Resource Person/s /Faculty Incharge Details (Affiliation and Designation)		Mrs. L.DHIVYA PRABHA, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore					
Scope of the Event		Students were able to know the Applications of Operation Research In Digital Field					
Deliberations/ Discussions			The Student Development Programme was about Practical approach of Operation Research In Digital Field				
Outcomes of the Event			The purpose of the programe was to make the students to know about concept of Operation Research.				
Remarks and Feedback on the Event		The l applic	The Programe was interactive and the discussion revealed the applications of Operation Research in real life.				

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Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	43	
Image of the Event Broch	ure	Photographs of Event
Approved by AICTE According 1 Affiliand to Bharathiar University According 1 Affiliand to Bharathiar University I Affiliand I Affiliand to Bharathiar University I Affiliand I Affiliand I Affiliand I Affiliand I I BCA C DATE : 02.111.2022 VENUE: D-BLOCK ROOM NO:503 CONVENOR Dr.S.ANURADHA PROFESSOR & HEAD ASSISTANT PRO	28 MATICS MATICS MATOR ABHA FESSOR	<image/>
		<image/>







Nature of the Event(W FDP, Extension Activitie EDP, MDP, etc.)	orkshop, Seminar, es, Guest Lecture,	Student Development Program				
Name of Department/	Cell/ Club	Mathematics				
Date/s	07.11.2022	No. of Day/s 1				
Convenor and Coordinator Details		Convenor : Dr. S.Anuradha, Professor & Head, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore. Coordinator: Mrs. R.Mohana Priya, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbators				
Stratum of the Event (In National, International)	Regional, State,	Department Level - II BCA (B)				
Title of the Event		Interesting facts about Mathematics				
Venue		Room No : D - 502				
Resource Person/Faculty In-Charge /s Details (Affiliation and Designation)		Faculty In-Charge Details : Mrs. R.Mohana Priya, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.				
Scope of the Event		Students were able to know the Real time applications of Mathematics.				
Deliberations/Discussions		 The purpose of the programme was to make the students to know about basic concepts of Mathematics. The Programme was interactive and the discussion revealed the different ideas of Mathematics in real life. This Programme inculcated interest in Mathematics among the students. 				
Outcomes of the Event		Students gained the Knowledge of various interesting concepts and applications of Mathematics and also its usage in daily life.				







Nature of the Event(Workshop, Se Extension Activities, Guest Lecture	P, P, etc.)	Stuc	Student Development Programme			
Name of Department/ Cell/ Club			PG & Research Department of Mathematics			rtment of Mathematics
Date/s	08.11.22			No. of Da	ay/s	One
Convenor and Coordinator Details			Dr.S.Anuradha Head & Professor PG & Research Department of Mathematics Hindusthan College of Arts and Science			
Stratum of the Event (Regional, S National, International)	tate,	Depart	ment	Level		
Title of the Event			ation	of Graph	Theory	in real life
Venue		Room	No: E	0402		
Resource Person/s Details (Affiliation and Designation)		Dr.D.Mallika Associate Professor PG and Research Department of Mathematics Hindusthan College of Arts and Science Coimbatore.				
Scope of the Event			Graph theory provides a helpful tool to quantify & simplify the many moving parts of dynamic systems. Graphs are widely used in businesses. The use of graphs in daily life also helps in making an analysis. It provides structure in assessing performances, sales, and even deadlines.			
Deliberations/Discussions		Google maps uses graphs for building transportation systems, where intersection of two(or more) roads are considered to be a vertex and the road connecting two vertices is considered to be an edge, thus their navigation system is based on the algorithm to calculate the shortest path between two vertices. Some other applications of graph theory are Airline Scheduling, Directions in a map ,Solving Sudoku's puzzles, Search Engine Algorithms Social Media Marketing , in designing of circuit connections and Linguistics etc.				
Outcomes of the Event		applications in daily life.				
Remarks and Feedback on the Event		Students felt that they gain more knowledge abou applications of graph theory in daily life.				





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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)		SDP				
Name of Department/ Cell/	Club	Mathematics				
Date	9.11.2022		No. of Day/s	1		
Convenor and Coordinator Details		Convenor : Dr. S.Anuradha, Professor & Head Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore. Coordinator: Dr.K.Sasikala, Associate Professor, Department of Mathematics, Hindusthan College of Arts & Science,				
Stratum of the Event (Region International)	onal, State, National,	Department Level – I BSc IT - A				
Title of the Event		Real life Application of Relation				
Venue		D - 301				
Resource Person/Faculty In- Charge /s Details (Affiliation and Designation)		Faculty In- Charge Details :Dr.K.Sasikala,Associate Professor,Department of Mathematics,Hindusthan College of Arts & Science,Coimbatore.				
Scope of the Event		Students were able to know the Applications of Relation				
Deliberations/Discussions		 The Sdp was about Application of Discrete Mathematics in Real Life. The purpose of the program was to make the students to know about concept of relation like, In day to day life we use lots of unit converters - length, weight, temperatures, volume, area, time etc ., in all these conversions, different combinations of functions are used The Program was interactive and the discussion revealed the applications of Relation in real life. Video Link: Relations - Discrete Mathematics 				

Outcomes of the Event Remarks and Feedback on the Event Total No. of Participants (Mention Faculty count also if it is an Extension	https://youtu.be/FI6j5QZNVx0 Functions - Discrete Mathematics https://youtu.be/OixshZzH8t0 Identifying Relations and Functions https://youtu.be/3BmYm5lbzkk Students gained the Knowledge of variou applications in this area and also its usage in dail life. Students enjoyed the session and felt the event was Excellent.		
Image of the Event Brochure	Photographs of Event		
Hindusthan College of Arts & Science Approved by AICTE Autonomous Affiliated to Bharathiar University City Campus, Nava India, Avinashi Road, Coimbatore -25 * +10-422-444055 www.hicas.ac.in PG & RESEARCH Department of Mathematics Student Development Program On REAL LIFE APPLICATION OF RELATION (I BSc IT - A) DATE : NOVEMBER 9TH 2022 VENUE : D- 301 Convenor Dr.S.Anuradha Faculty Co-odinator Dr.K.Sasikala			





Nature of the Event (Workshop, Seminar, Extension Activities, Guest Lecture, EDP, etc.)	FDP, MDP,	Student Development Programme			
Name of Department/ Cell/ Club		PG & Res	earch Department of	of Mathematics	
Date/s	10.11.22	2	No. of Day/s	One	
Convenor and Coordinator Details	Dr.S.Anuradha Head & Professor PG & Research Department of Mathematics Hindusthan College of Arts and Science Coimbatore.				
Stratum of the Event (Regional, State, Na International)	ational,	Departme	nt Level		
Title of the Event		Applicatio	on of Graph Theory	in real life	
Venue		Room No	D206		
Resource Person/s Details (Affiliation and Designation)		Dr.D.Mallika Associate Professor PG and Research Department of Mathematics Hindusthan College of Arts and Science Coimbatore.			
Scope of the Event		Graph theory provides a helpful tool to quantify & simplify the many moving parts of dynamic systems . Graphs are widely used in businesses. The use of graphs in daily life also helps in making an analysis . It provides structure in assessing performances, sales, and even deadlines.			
Deliberations/Discussions		Google maps uses graphs for building transportation systems, where intersection of two(or more) roads are considered to be a vertex and the road connecting two vertices is considered to be an edge, thus their navigation system is based on the algorithm to calculate the shortest path between two vertices. Some other applications of graph theory are Airline Scheduling, Directions in a map ,Solving Sudoku's puzzles, Search Engine Algorithms Social Media Marketing , in designing of circuit connections and Linguistics etc.			
Outcomes of the Event		Students enjoyed the session and discussed more applications in daily life.			







HICAS HIDDE DE COLLEGE OF Arts & Science An Autonomous College -Affiliated to Bharathiar University Approved by AICTE and Govt. of Tamilnadu Accredited by NAAC-An ISO Certified Institution				HICAS/MAT/No.27	
Nature of the Event(Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP,		STUDENTS DEVELOPMENT PROGRAMME			
Name of Depart Club	tment/ Cell/	PG & Research Department	nt of N	lathematics	
Date/s	21.11.2022	No. of Day/s		1	
Convenor and C Details Stratum of the I (Regional, State, International) Title of the Even	Coordinator	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator Mrs. VYSHNA UNNI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science. Department of Mathematics Department of Mathematics Hindusthan College of Arts and Science. Department Level – II BCA-A			
Title of the Even	nt	D 401			
Venue		D 401			
Resource Person/s Details (Affiliation and Designation)		Mrs. VYSHNA UNNIAssistant ProfessorDepartment of MathematicsHindusthan College of Arts and Science.			
Scope of the Event		There are varied applications of Linear Programming. Some of the areas where this technique is used are: Agriculture, Manufacturing, Transportation, Energy, Health care, Military operations, Economics etc.			
Deliberations/ Discussions		Discussion about the some interesting applications of Linear programming in various real life scenarios was discussed.			
Outcomes of the EventStudents are enjoyed the session and encouraged to extend the work respective fields with various optimization Techniques.			nd encouraged to extend the work in their nization Techniques.		

Remarks and Feedback on the Event	The students are attracted into the various kinds of optimization techniques in day life situations.					
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	45					
Image of the Event Brock	Photographs of Event					
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Venue: D 401 Convenor Faculty Coordin Dr. S. Anuradha Mrs. Vyshna U Professor & Head Assistant Profe	<image/>					





Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture,		Student Development Programme				
EDP, MDP, etc.)						
Name of Department/ Cell/ Club)	PG & Res	earch Department of Ma	thematics		
Date/s	21.11.20	22	No. of Day/s	1		
Convenor and Coordinator Deta	ils C H D H C C A D H C	Convenor Dr S. ANURADHA Head and Professor, Department of Mathematics, Hindusthan College Of Arts and Science. Coimbatore. Co-ordinator Mrs.P.JAGADEESHWARI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.				
Stratum of the Event (Regional, State, National, International)D		DEPARTMENT LEVEL – MATHEMATICS				
Title of the Event	А	pplication of	Discrete Mathematics			
Venue	A	-BLOCK				
Resource Person/s /Faculty Incharge Details (Affiliation and Designation)		Mrs. P.JAGADEESHWARI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore				
Scope of the Event St M		Students were able to know the Applications of Discrete Mathematics.				
Deliberations/ Discussions		The Student Development Programme was about Practical approach of Discrete Mathematics.				
Outcomes of the Event Th abo		The purpose of the programe was to make the students to know bout concept of Discrete Mathematics.				

Remarks and Feedback on the Event	The Programe was interactive and the discussion revealed the Applications of Discrete Mathematics.		
Total No. of Participants			
(Mention Faculty count also if it is an	14		
Extension Activity)			
Image of the Event Brock	nure	Photographs of Event	
HICAS Hindusthan College of Arts & Sci Approved by AICTE Autonomous Affiliated to Bharathiar University Accredited by NAAC City Campus, Nava India, Avinashi Road, Coimb +91-422-4440555 @ hicas@hindusthan.net	atore -28		
PG AND RESEARCH DEPART	MENT OF		
MATHEMATICS			
SUTDENT DEVELOMENT PRO APLLICATIONS OF DISCI MATHEMATICS	GRAM ON RETE		
DATE:21.11.2022			
CLASS:II BSC MATHEMA	TICS		
VENUE:A-BLOCK			
CONVENOR FACULTY CC DR.S.ANURADHA P.JAGAD PROFESSOR&HEAD ASST PR	D-ORDINATOR EESHWARI OFESSOR		



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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)		STUDENT DEVELOPMENT PROGRAMME		
Name of Department/ Cell	/ Club	PG & Research Department of Mathematics		
Date/s	21.11.2022	No. of Day/s	1	
Convenor and Coordinator Details		Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator M.SUBHASHREE Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.		
Stratum of the Event (Reg National, International)	ional, State,	Department Level(I B.Sc CS A)		
Title of the Event		Real Life Applications of Grap	oh theory	
Venue		C-401		
Resource Person/s Details (Affiliation and Designation)		M.SUBHASHREE Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.		
Scope of the Event		Graph theory is used in organic chemistry, solid state physics and statistical mechanics, electrical engineering (communication networks and coding theory), optimization theory and operations research.		
Deliberations/ Discussions		 Graph theory are widely used in network connections of social media. Graph theory are widely used in google map . Graph theory are widely used addressing rout- problem 		
Outcomes of the Event		 Circuit analysis is an applicat Network traffic routing is graphs. Planning tools (tasks with s and dependencies are) use dimensional discrete the second sec	tion of graphs an application of start and end times rected graphs	



HINDUSTHAN FUCTIONALAND HICAS HICA			HICAS/MAT/No.32
Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)	inar, STUDENTS D ure,		LOPMENT PROGRAMME
Name of Department/ Cell/ Club	PG & Resea	arch De	partment of Mathematics
Date/s	22.11.2022	No. of Day/s	1
Convenor and Coordinator Details	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator Dr.M.RAJARAJESWARI Associate Professor Department of Mathematics Hindusthan College of Arts and Science.		
Stratum of the Event (Regional, State, National, International)	Department	Level –	I BSc CS B
Title of the Event	MATHEMA SCIENCE	ATICA	L THINKING IN COMPUTER
Venue	C402		
Resource Person/s Details (Affiliation and Designation)	d Dr.M.RAJARA Associate Profe Department of I Hindusthan Col		SWARI ematics of Arts and Science.
Scope of the Event	The importance of the Mathematical thinking is crucial in a areas of computer science : Algorithms, bio informatic computer graphics, data science, machine learning, etc.		
Deliberations/ Discussions	Discussion a Graph theor science.	e applications of Discrete Mathematics, cations in various fields in computer	

Outcomes of the Event	Students enj of Discrete I	oyed the session and discussed more applications Maths, functions, Graph theory	
Remarks and Feedback on the Event	The students gained knowledge in Mathematical foundation in computer science.		
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	52		
Image of the Event Brochure	·	Photographs of Event	
Sz Extension Activity) Image of the Event Brochure Signed Contractivity Summary Contractivity Contraction of the Istant Image of the Event Brochure Summary Contractivity Contraction of the Istant Image of the Event Brochure Summary Contractivity Contraction of the Istant Image of the Event Brochure Summary Contractivity Contraction of the Istant Image of the Event Brochure Summary Contractivity Contraction of the Istant Image of the Event Brochure Summary Contractivity Contraction of the Istant Image of the Event Brochure Summary Contractivity Contraction of the Istant Image of the Event Brochure Summary Contractivity Contractity Contractivi		<image/>	

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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)	STUDENT	STUDENTS DEVELOPMENT PROGRAMME			
Name of Department/ Cell/ Club	PG & Rese	earch Departmen	nt of Mathematics		
Date/s	22.11.2022	No. of Day/s	1		
Convenor and Coordinator Details	Convenor Dr.S.ANUI Professor & Department Hindusthan Coordinate Mrs. J.RA Assistant P Department Hindusthan	ConvenorDr.S.ANURADHAProfessor & Head,Department of Mathematics.Hindusthan College of Arts and Science.CoordinatorMrs. J.RADHALAKSHMIAssistant ProfessorDepartment of MathematicsHindusthan College of Arts and Science.			
Stratum of the Event (Regional, State, National, International)	Department	Department Level – II B.Sc CS (A)			
Title of the Event	Real World	d Applications o	f Operations Research		
Venue	C- BLOCH	K 405			
Resource Person/s Details (Affiliation and Designation)	on Assistant P Department Hindusthan	Mrs. J.RADHALAKSHMI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.			
Scope of the Event	Its purpose is to give administration a basis for pred- quantitatively the most effective results of an operation un given set of variable conditions and thereby to provide a s basis for decision-making.				
Deliberations/ Discussions	Discussion various fiel • Ass min • Sho prol • Fina • Que	 Discussion about some applications of Operations Research in various fields like Assignment of jobs to applicants to maximise profit or minimise total cost Shortest route problems like travelling salesperson problem Finance management problem Queuing problems 			

Outcomes of the Event	Students known bave tool fo economically	ow Operations Research is an excellent and a must r every organisation to take an environmentally and y sound decision pertaining to the current scenario.
Remarks and Feedback on the Event	The Progra world appl	amme was interactive and the discussion revealed real ications of operation research.
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	60	
Image of the Event Brochure	е	Photographs of Event
HINDUSTION Hindusthan College of Arts & Science Approved by AICTE Autonomous Affiliated to Bharathiar University Accredied by NAAC C City Campus, Nava India, Avinashi Road, Coimbators U City Campus, Nava India, Avinashi Road, Coimbator U City Campus, Campus, Nava India, Nava India, Nava U City Campus, Campu	28 Territoria MATICS GRAM	
DATE 22-11-2022		I
ROOM NO 405	\times	
ROOM NO 405 CONVENOR FACULTY CO-ORDINATOR DR S.ANURADHA J.RADHALAKSHMI PROFESSOR & HEAD ASSISTANT PROFESSOR		



HICAS

HICAS/MAT/No.38

Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)		SDP			
Name of Department/ Cell/ Club		Mathem	atics		
Date/s	22.11.2022		No. of Day/s	1	
Convenor and Coordinator Details		Convenor : Dr. S.Anuradha, Professor & Head Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore. Coordinator: Mrs. Y.Angelpriya, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore			
Stratum of the Event (Regional, National, International)	State,	Departm B.Sc.(C	Department Level (Computer Technology) – II B.Sc.(CT)-'B'		
Title of the Event		Advantage and dis-advantage of CPM&PERT			
Venue		D-208			
Resource Person/Faculty In- Charge /s Details (Affiliation and Designation)		Faculty In- Charge Details :Mrs. Y.Angelpriya,Assistant Professor,Department of Mathematics,Hindusthan College of Arts & Science, Coimbatore.			
Scope of the Event		Students were able to know the Advantages of Mathematics in real life			
Deliberations/Discussions		 The Sdp was about Advantages of Mathematics in real life. The purpose of the programe was to make the students to know abou advantages and disadvantages of CPM & PERT methods Problems in Industries. The Programe was interactive and the discussion revealed the Advantages of Mathematics in real life Video Link: Mathematics In Our World https://youtu.be/zGk66R_hMZ4 			

Outcomes of the Event	Students gained the Knowledge of various applications in this area and also its usage in daily life.		
Remarks and Feedback on the Event	Students enjoyed the session and felt the event wa Excellent.		
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	45		
Image of the Event Brochure	Photographs of Event		
 MUNITIAN MINISTRA College of Arts & Science Apoved by AICIE Apoved by	Image: Second		
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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP,		STUDENT DEVELOPMEN	T PROGRAMME		
etc.)					
Name of Department/ Cell/ Club			PG & Research Department of Mathematics		
Date/s	21.11.2022	No.	. of Day/s	1	
Convenor and Coordinator Details		Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator M.SUBHASHREE Assistant Professor Department of Mathematics Uindusthan College of Arts and Science			
Stratum of the Event (Regional, State, National, International)		Department Level – I B.Sc CT B			
Title of the Event			Real Life Applications of Graph theory		
Venue		D-207			
Resource Person/s Details (Affiliation and Designation)		M.SUBHASHREE Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.			
Scope of the Event			Graph theory is used in organic chemistry, solid state physics and statistical mechanics, electrical engineering (communication networks and coding theory), optimization theory and operations research.		
Deliberations/ Discussions		 Graph theory are widely used in network connections of social media. Graph theory are widely used in google map . Graph theory are widely used addressing rou problem 			
Outcomes of the Event		 circuit analysis is an appli Network traffic routing is graphs. Planning tools (tasks with and dependencies are) use 	cation of graphs is an application of start and end times directed graph		

Remarks and Feedback on the Event	This event held with interest	
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	55	
Image of the Event Brochure	Photographs of Event	
HINDUSTHAN HINDUSTHAN HINDUSTHAN Approved by AICTE Autonomous Affiliated to Bharathiar University Accredited by NAAC • City Campus, Nava India, Avinashi Road, Coimbatore -28 +91-422-4440555 The hicas@hindusthan.net • www.hicas.ac.in PG AND RESEARCH DEPARTMENT OF MATHEMATICS STUDENT DEVOLPMENT PROGRAMME ON REAL LIFE APPICATIONS OF GRAPH THEORY	REAL LIFE APPLICATION OF GRAPH THEORY	
CLASS : I BSc CT B DATE :24.11.2022		
CONVENOR CO-ORDINATOR Dr.S.ANURADHA M.SUBHASHREE HEAD&PROFESSOR ASSISTANT PROFESSOR		





Accreated by Marcella	ibo cernyten				
Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)		Student Development Programme			
Name of Department/ Cell/ Club		Departme	ent of Mathematics		
Date/s	23.11.2022		No. of Day/s	1	
Convenor and Coordinator Detail	s (C) I H H C C C I H C C C C C C C C C C C C C	Convenor: Dr S. ANUI Head and Pr Department Hindusthan Coimbatore Co-ordinat Ms. M. MU Assistant Pr Department Hindusthan Coimbatore	RADHA rofessor , of Mathematics, College Of Arts and Science . or: JTHUSELVI, rofessor, of Mathematics, College of Arts & Science,		
Stratum of the Event (Regional, State, National, International)I		DEPARTMENT LEVEL – I B.Sc MATHEMATICS			
Title of the Event 1		APPLICATION OF ANALYTICAL GEOMETRY IN REAL LIFE			
Venue		A - 217			
Resource Person/s /Faculty Incharge Details (Affiliation and Designation)N A I I H		Ms. M. MUTHUSELVI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore			
Scope of the Event		The Scope of the Event is Students should gain knowledge in application of Analytic geometry is used in physics and engineering, and also in aviation, rocketry, space science, and spaceflight. It is the foundation of most modern fields of geometry, including algebraic, differential, discrete and computational geometry			
Deliberations/ Discussions	I 1 a 2 k t F	 In this Session deliberate about 1. The importance of analytic geometry is that it establises a correspondence between geometric curves and algebre equations. 2. The study of analytic geometry is important as it gives knowledge for the next level of mathematics. It is traditional way of learning the logical thinking and problem solving skills. 		netry is that it establishes ric curves and algebraic s important as it gives the mathematics. It is the ogical thinking and the	

Outcomes of the Event	The program objective is student should realize Analytic geometry is used in physics and engineering, and also in aviation, rocketry, space science, and spaceflight. It is the foundation of most modern fields of geometry, including algebraic, differential, discrete and computational geometry.		
Remarks and Feedback on the Event	Students are truly impressed and enjoy the session.		
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	08		
Image of the Event Brochure		Photographs of Event	
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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)		Student Development Programme			
Name of Department/ Cell/ Club		Department of Mathematics			
Date/s	23.11.2022		No. of Day/s	1	
Convenor and Coordinator Details		Convenor: Dr S. ANURADHAHead and Professor ,Department of Mathematics,Hindusthan College Of Arts and Science.Coimbatore.Co-ordinator: Mrs. J.RADHALAKSHMIAssistant Professor,Department of Mathematics,Hindusthan College of Arts & Science,Coimbatore.			
Stratum of the Event (Regional, State, National, Inte	um of the Event onal, State, National, International)		DEPARTMENT LEVEL BIOTECHNOLOGY		
Title of the Event		Application of Statistics in Daily Life			
Venue		D-BLOCK ROOM NO:D-104			
Resource Person/s /Faculty Incharge Details (Affiliation and Designation)		Mrs. J.RADHALAKSHMI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore			
Scope of the Event		Students were able to know the Applications of Statistics in Daily life.			
Deliberations/ Discussions		The Student Development Programme was about Practical Application of Statistics in Daily life such as Business, Economics, Physical Science, Research, Natural Science, Marketing, Purchase			

Outcomes of the Event	The purpose of the programme was to make the students know about the concept of Statistics. Statistical methods are used by governmental bodies, private business firms and research agencies as an indispensable aid in i) Forecasting ii) Controlling iii) Exploring etc.,	
Remarks and Feedback on the Event	The Programme was interactive and the discussion revealed the applications of Statistics in real life.	
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	25	
Image of the Event Brochure	Photographs of Event	
HICAS Hindusthan College of Arts & Science Approved by AICTE Autonomous Affiliated to Bharathiar University Accredited by NAAC • City Campus, Nava India, Avinashi Road, Coimbatore -28 • UP 1-422-4440555 • hicas@hindusthan.net • www.hicas.ac.in • WWWW.hicas.ac.in • WWW.hicas.ac.in • WWWW		
CLASS II B.Sc BIOTECH		
VENUE D-BLOCK		
DATE 23-11-2022		
CONVENOR FACULTY CO-ORDINATOR Dr S.ANURADHA J.RADHALAKSHMI PROFESSOR & HEAD ASSISTANT PROFESSOR		



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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)		Student Development Programme		
Name of Department/ Cell/ Clu	b	PG & Research Department of Mathematics		
Date/s	23.11.2022	No. of Day/s	1	
Convenor and Coordinator Details		Convenor Dr S. ANURADHA Head and Professor, Department of Mathematics, Hindusthan College Of Arts and Science . Coimbatore. Co-ordinator Mrs.P.JAGADEESHWARI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.		
Stratum of the Event (Regional, State, National, International) DEPARTMENT LEVEL – MATHEMAT		HEMATICS		
Title of the Event Application of Operations Research		rch		
Venue		<u>D-BLOCK</u>		
Resource Person/s /Faculty Incharge Details (Affiliation and Designation)		Mrs. P.JAGADEESHWARI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore		
Scope of the Event		Students were able to know the Applications of Operations Research.		
Deliberations/ Discussions		The Student Development Programme was about Practical approach of Operations Research.		
Outcomes of the Event		The purpose of the programe was to make the students to know about concept of Operations Research.		
Remarks and Feedback on the Event		The Programe was interactive and the discussion revealed the Applications of Operations Research		
Total No. of Participants				
---	----			
(Mention Faculty count also if it is an Extension	63			
Activity)				

Image of the Event Brochure



PG AND RESEARCH DEPARTMENT OF MATHEMATICS

SUTDENT DEVELOMENT PROGRAM ON APLLICATIONS OF OPERATIONS RESEACH

> DATE:23.11.2022 CLASS:II BSC IT-A VENUE:D-BLOCK

CONVENOR DR.S.ANURADHA PROFESSOR&HEAD FACULTY CO-ORDINATOR P.JAGADEESHWARI ASST PROFESSOR **Photographs of Event**





Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)		Student Development Programme		
Name of Department/ Cell/ Club		Dep	artment of Mathematics	
Date/s	24.11.2022		No. of Day/s	1
Convenor and Coordinator Details		Convenor: Dr S. ANURADHA Head and Professor, Department of Mathematics, Hindusthan College Of Arts and Science. Coimbatore. Co-ordinator: Ms M MUTHUSELVI		
		Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.		
Stratum of the Event (Regio International)	nal, State, National,	DEPARTMENT LEVEL – I B.Sc CGS		
Title of the Event		DIS SCI	CRETE MATHEMATICS	FOR COMPUTER
Venue		E - 2	203	
Resource Person/s /Faculty Incharge Details (Affiliation and Designation)		Ms. M. MUTHUSELVI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore		
Scope of the Event		The Scope of the Event is Many areas of computer science require the ability to work with concepts from discrete mathematics, specifically material from such areas as set theory, logic, graph theory, combinatorics.		
Deliberations/ Discussions		1. D scien engi 2. A Com Data Prog Secu are c	viscrete Mathematics is fund nee which is the scienc neering. pplication of Discrete Mather puter Architecture, Co bases, Distributed Sy graming, Machine Learning, urity, and Operating Systems. liscussed in this session.	amental to computer e behind software matics in Algorithms, omputer Systems, stems, Functional Networks, Computer

Outcomes of the Event	The program objective is student should realiz Discrete Mathematics is the backbone of Compute Science and Concepts & notations from discret mathematics are useful in studying and describin objects and problems in all branches of compute science, such as computer algorithms, programmin languages, cryptography, automated theorem proving and software development.		
Remarks and Feedback on the Event	Students are truly impressed and enjoy the session.		
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	51		
Image of the Event Brochure	Photographs of Event		
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Nature of the Event(Workshop, Seminar,		STUDENTS DEVELOPMENT PROGRAMME		
FDP, Extension Activities, Guest I EDP MDP etc.)	Lecture,			
Name of Department/ Cell/ Club		PG & Research Department of Mathematics		
Date/s	24.11.2022	No. of Day/s 1		
		Convenor		
		Dr.S.ANURADHA		
		Professor & Head,		
		Department of Mathematics.		
	••	Hindusthan College of Arts and Science.		
Convenor and Coordinator Deta	uls	Courtheastern		
		COOPUINALOP Mrs. VVSHNA LINNI		
		Assistant Professor		
		Department of Mathematics		
		Hindusthan College of Arts and Science.		
Stratum of the Event (Regional,	State,			
National, International)	,	Department Level – II B.Sc. CS- B		
Title of the Event		Solving LPP by using TORA		
Venue		C 407		
venue		0 107		
Venue		Mrs. VYSHNA UNNI		
Resource Person/s Details (Affili	ation and	Mrs. VYSHNA UNNI Assistant Professor		
Resource Person/s Details (Affili Designation)	ation and	Mrs. VYSHNA UNNI Assistant Professor Department of Mathematics		
Resource Person/s Details (Affili Designation)	ation and	Mrs. VYSHNA UNNI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.		
Resource Person/s Details (Affili Designation)	ation and	Mrs. VYSHNA UNNI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science. TORA package is a computer application software package		
Resource Person/s Details (Affili Designation)	ation and	Mrs. VYSHNA UNNI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science. TORA package is a computer application software package used for statistical computation and analysis. It is basically		
Resource Person/s Details (Affili Designation) Scope of the Event	ation and	Mrs. VYSHNA UNNI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science. TORA package is a computer application software package used for statistical computation and analysis. It is basically applied for operations research analysis. TORA ontimization window is a graphical user interface. This is		
Resource Person/s Details (Affili Designation) Scope of the Event	ation and	Mrs. VYSHNA UNNI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science. TORA package is a computer application software package used for statistical computation and analysis. It is basically applied for operations research analysis. TORA optimization window is a graphical user interface. This is what makes it unique from statistical packages that have		
Resource Person/s Details (Affili Designation) Scope of the Event	ation and	Mrs. VYSHNA UNNI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science. TORA package is a computer application software package used for statistical computation and analysis. It is basically applied for operations research analysis. TORA optimization window is a graphical user interface. This is what makes it unique from statistical packages that have spreadsheet windows.		
Resource Person/s Details (Affili Designation) Scope of the Event	ation and	Mrs. VYSHNA UNNI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science. TORA package is a computer application software package used for statistical computation and analysis. It is basically applied for operations research analysis. TORA optimization window is a graphical user interface. This is what makes it unique from statistical packages that have spreadsheet windows. We discussed the solution of some linear programming		
Resource Person/s Details (Affili Designation) Scope of the Event Deliberations/ Discussions	ation and	Mrs. VYSHNA UNNIAssistant ProfessorDepartment of MathematicsHindusthan College of Arts and Science.TORA package is a computer application software packageused for statistical computation and analysis. It is basicallyapplied for operations research analysis. TORAoptimization window is a graphical user interface. This iswhat makes it unique from statistical packages that havespreadsheet windows.We discussed the solution of some linear programmingproblems with TORA		
Resource Person/s Details (Affili Designation) Scope of the Event Deliberations/ Discussions	ation and	Mrs. VYSHNA UNNIAssistant ProfessorDepartment of MathematicsHindusthan College of Arts and Science.TORA package is a computer application software packageused for statistical computation and analysis. It is basicallyapplied for operations research analysis. TORAoptimization window is a graphical user interface. This iswhat makes it unique from statistical packages that havespreadsheet windows.We discussed the solution of some linear programmingproblems with TORATORA can be used to solve problems in tutorial mode and		
Resource Person/s Details (Affili Designation) Scope of the Event Deliberations/ Discussions	ation and	Mrs. VYSHNA UNNIAssistant ProfessorDepartment of MathematicsHindusthan College of Arts and Science.TORA package is a computer application software packageused for statistical computation and analysis. It is basicallyapplied for operations research analysis. TORAoptimization window is a graphical user interface. This iswhat makes it unique from statistical packages that havespreadsheet windows.We discussed the solution of some linear programmingproblems with TORATORA can be used to solve problems in tutorial mode andautomated mode. The tutorial mode is particularly useful		
Resource Person/s Details (Affili Designation) Scope of the Event Deliberations/ Discussions Outcomes of the Event	ation and	Mrs. VYSHNA UNNIAssistant ProfessorDepartment of MathematicsHindusthan College of Arts and Science.TORA package is a computer application software packageused for statistical computation and analysis. It is basicallyapplied for operations research analysis. TORAoptimization window is a graphical user interface. This iswhat makes it unique from statistical packages that havespreadsheet windows.We discussed the solution of some linear programmingproblems with TORATORA can be used to solve problems in tutorial mode andautomated mode. The tutorial mode is particularly usefulbecause it allows concentration on the main concepts of the		
Resource Person/s Details (Affili Designation) Scope of the Event Deliberations/ Discussions Outcomes of the Event	ation and	Mrs. VYSHNA UNNIAssistant ProfessorDepartment of MathematicsHindusthan College of Arts and Science.TORA package is a computer application software packageused for statistical computation and analysis. It is basicallyapplied for operations research analysis. TORAoptimization window is a graphical user interface. This iswhat makes it unique from statistical packages that havespreadsheet windows.We discussed the solution of some linear programmingproblems with TORATORA can be used to solve problems in tutorial mode andautomated mode. The tutorial mode is particularly usefulbecause it allows concentration on the main concepts of thealgorithms while relieving the user of the burden of the		
Resource Person/s Details (Affili Designation) Scope of the Event Deliberations/ Discussions Outcomes of the Event	ation and	Mrs. VYSHNA UNNIAssistant ProfessorDepartment of MathematicsHindusthan College of Arts and Science.TORA package is a computer application software packageused for statistical computation and analysis. It is basicallyappliedfor operations research analysis. TORAoptimization window is a graphical user interface. This iswhat makes it unique from statistical packages that havespreadsheet windows.We discussed the solution of some linear programmingproblems with TORATORA can be used to solve problems in tutorial mode andautomated mode. The tutorial mode is particularly usefulbecause it allows concentration on the main concepts of thealgorithms while relieving the user of the burden of thetedious computations that generally characterize OR.		
Resource Person/s Details (Affili Designation) Scope of the Event Deliberations/ Discussions Outcomes of the Event	ation and	Mrs. VYSHNA UNNIAssistant ProfessorDepartment of MathematicsHindusthan College of Arts and Science.TORA package is a computer application software packageused for statistical computation and analysis. It is basicallyapplied for operations research analysis. TORAoptimization window is a graphical user interface. This iswhat makes it unique from statistical packages that havespreadsheet windows.We discussed the solution of some linear programmingproblems with TORATORA can be used to solve problems in tutorial mode andautomated mode. The tutorial mode is particularly usefulbecause it allows concentration on the main concepts of thealgorithms while relieving the user of the burden of thetedious computations that generally characterize OR.The students are attracted into TORA and encouraged to		
Resource Person/s Details (Affili Designation) Scope of the Event Deliberations/ Discussions Outcomes of the Event Remarks and Feedback on the Event	ation and	Mrs. VYSHNA UNNIAssistant ProfessorDepartment of MathematicsHindusthan College of Arts and Science.TORA package is a computer application software packageused for statistical computation and analysis. It is basicallyapplied for operations research analysis. TORAoptimization window is a graphical user interface. This iswhat makes it unique from statistical packages that havespreadsheet windows.We discussed the solution of some linear programmingproblems with TORATORA can be used to solve problems in tutorial mode andautomated mode. The tutorial mode is particularly usefulbecause it allows concentration on the main concepts of thealgorithms while relieving the user of the burden of thetedious computations that generally characterize OR.The students are attracted into TORA and encouraged tolearn about that more.		



HINDUSTHAN HICAS HICAS HICAS	ISC Certified Institute	ar Universit adu tution	HIC	AS/MAT/No.46
Nature of the Event (Workshop, Se Extension Activities, Guest Lecture, etc.)	eminar, FDP, , EDP, MDP,	STUDE	CNT DEVELOPMEN	Г PROGRAMME
Name of Department/ Cell/ Club		PG & F	Research Department	of Mathematics
Date/s	24.11.2022		No. of Day/s	1
Convenor and Coordinator Detail	r Details Convenor Dr.S.ANURADH Professor & Head Department of Ma Hindusthan Colle Coordinator M.V.BALADHA Assistant Professo Department of Ma		DHA ead, Mathematics. Ollege of Arts and Science. HANDAPANI essor Mathematics	
Stratum of the Event (Regional, St National, International)	tate, Depar	Department Level		
Title of the Event	Grap	h theory	and Applications	
Venue	D-302	2		
Resource Person/s Details (Affiliation and Designation)As M De Hi		Assistant Professor M.V.BALADHANDAPANI Department of Mathematics Hindusthan College of Arts and Science.		
Scope of the Event		Graph theory is used in organic chemistry, solid state physics and statistical mechanics, electrical engineering (communication networks and coding theory), optimization theory and operations research.		
Deliberations/ Discussions		 Graph theory are widely used in network connections o social media. Graph theory are widely used in google map . Graph theory are widely used addressing route problem 		
Outcomes of the Event• circle • Ne • Pla dep		cuit analy twork tra anning to pendencie	vsis is an application of ffic routing is an applic ools (tasks with start es are) use directed grap	graphs cation of graphs. and end times and phs



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Nature of the Event (Worksho Extension Activities, Guest Lee etc.)	op, Seminar, Fl cture, EDP, Ml	DP, DP,	Stud	ent Development P	rogramr	ne
Name of Department/ Cell/ C	lub		PG &	& Research Departr	nent of]	Mathematics
Date/s	24.11.2022			No. of Day/s		1
Convenor and Coordinator E	Details	Convenor Dr S. ANURADHA Head and Professor, Department of Mathematics, Hindusthan College Of Arts and Science . Coimbatore. Co-ordinator Mrs.P.JAGADEESHWARI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.		е. I,		
Stratum of the Event (Regional, State, National, International)DE		DEPAF	RTME	NT LEVEL – MAT	ГНЕМА	TICS
Title of the Event App		Applica	ation o	f Graph theory		
Venue D		D-BLO	<u>CK</u>			
Resource Person/s /Faculty Incharge Details (Affiliation and Designation)		Mrs. P.JAGADEESHWARI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore				
Scope of the Event		Students were able to know the Applications of Graph theory.				
Deliberations/ Discussions		The Student Development Programme was about Practical approach of Graph theory			/as Dry	
Outcomes of the Event		The purpose of the programe was to make the students to know about concept of Graph theory.			te the students to	
Remarks and Feedback on th	e Event	The Pro the App	ogram	e was interactive an ons of Graph theor	nd the dia y	scussion revealed

Total No. of Participants (Mention Faculty count also if it is an Extension Activity) Image of the Event Brochure	63	Photographs of Event
Hindusthan College of Arts & Scient Approved by AICTE Autonomous Affiliated to Bharathiar University Accredited by NAAC City Campus, Nava India, Avinashi Road, Coimbator +91-422-4440555 thicas@hindusthan.net www.hicas.ac.in	ce re -28 ENT OF	
SUTDENT DEVELOMENT PROG APLLICATIONS OF DISCRE MATHEMATICS	RAM ON ETE	
DATE:24.11.2022 CLASS:I BCA-B VENUE:D-BLOCK		
CONVENOR FACULTY CO-C DR.S.ANURADHA P.JAGADEE PROFESSOR&HEAD ASST PROF	ORDINATOR SHWARI ESSOR	

HINDUSTHAN HICAS H	HICAS/MAT/No.50 rathiar University amilnadu Institution STUDENTS DEVELOPMENT PROGRAMME			
Extension Activities, Guest Lecture, EDP, MDP, etc.)				
Name of Department/ Cell/ Club	PG & Research Department of Mathematics			
Date/s 26.11.2022	No. of Day/s			
Convenor and Coordinator Details	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator S.KARUNALAKSHMI Assitant Professor Department of Mathematics Hindusthan College of Arts and Science.			
Stratum of the Event (Regional, State, National, International)	Department Level – II MATHEMATICS			
Title of the Event	Applications of Group theory			
Venue	A 218			
Resource Person/s Details (Affiliation and Designation)	S.KARUNALAKSHMI Assitant Professor Department of Mathematics Hindusthan College of Arts and Science.			
Scope of the Event	To Study about the real time applications of Group theory			
Deliberations/ Discussions	Discussion about the applications of Group theory			
Outcomes of the Event	Students enjoyed the session and discussed more applications.			
Remarks and Feedback on the Event	The students gained knowledge in the applications.			



HINDUSTHAN EUCATIONALAND HICAS HI			C ersity	HICAS/M	AT/No.51
Nature of the Event(Wo Extension Activities, Gue etc.)	orkshop, Seminar, FDP, est Lecture, EDP, MDP,	STUDE	NTS DEVEL	OPMENT PRO	GRAMME
Name of Department/ C	Cell/ Club	PG & F	lesearch Depa	rtment of Matho	ematics
Date/s	28.11.2022		No. of Day/s	1	
Convenor and Coordin	ator Details	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator S.KARUNALAKSHMI Assitant Professor Department of Mathematics Hindusthan College of Arts and Science.		e.	
Stratum of the Event (Regional, State, National, International)		Department Level – I BCA A			
Title of the Event		Applica	tions of Grag	oh theory	
Venue		D 318			
Resource Person/s Details (Affiliation and Designation)		S.KARUNALAKSHMI Assitant Professor Department of Mathematics Hindusthan College of Arts and Science.			
Scope of the Event		To Study about the real time applications of Graph theory			ns of Graph
Deliberations/ Discussion	ons	Discussion about the applications of Graph theory			raph theory
Outcomes of the Event		Students enjoyed the session and discussed more applications.			sed more
Remarks and Feedback on the Event		The stud	lents gained kr	nowledge in the a	pplications.





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Nature of the Event (Workshop, Sem	inar, FDP, Exten	sion	STUDENTS DEVELOPMEN	Г
Activities, Guest Lecture, EDP, MDP, etc.)			PROGRAMME	
Name of Department/ Cell/ Club			PG & Research Department of Mathematics	
Date/s	28.11.2022	No. o	of Day/s 1	
Convenor and Coordinator Details Coordinator Details Coordinator Details		Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator M.V.BALADHANDAPANI Assistant Professor Department of Mathematics		
Stratum of the Event (Regional, State National, International)	² , Depart	tment Le	evel	
Title of the Event	Grapł	n theory	v and Applications	
Venue	E-203			
Resource Person/s Details (Affiliation Designation)	n and Assista Depart	ant Profe BALAD tment of sthan Co	essor HANDAPANI f Mathematics ollege of Arts and Science.	
Scope of the Event		Graph theory is used in organic chemistry, solid state physics and statistical mechanics, electrical engineering (communication networks and coding theory), optimization theory and operations research.		
Deliberations/ Discussions		 Graph theory are widely used in network connections of social media. Graph theory are widely used in google map . Graph theory are widely used addressing route problem 		
Outcomes of the Event		cuit anal twork tr nning to pendenci	lysis is an application of graphs affic routing is an application of g pols (tasks with start and end times ies are) use directed graphs	raphs. s and

Remarks and Feedback on the Event	This event held with interest
Total No. of Participants	~0
(Mention Faculty count also if it is an Extension Activity)	58
Image of the Event Brochure	Photographs of Event
Hindusthan College of Arts & Science Approved by AICTE Autonomous Affiliated to Bharathiar University Accredited by NAAC City Campus, Nava India, Avinashi Road, Coimbatore -28 +91-422-4440555 bicas@hindusthan.net www.hicas.ac.in PG & RESEARCH DEPARTMENT OF MATHEMATICS STUDENT DEVELOPMENT PROGRAM ON GRAPH THEORY AND IT'S APPLICATIONS	<image/>
CLASS I BSc AI & ML DATE 28.II.2022 VENUE E-BLOCK ROOM NO 203 CONVENOR FACULTY CO-ORDINATOR	
Dr S.ANURADHA MR.M.V BALADHANDAPANI PROFESSOR & HEAD ASSISTANT PROFESSOR	

HINDUSTHAN BUCKTRONA ND HICAS	ollege of Arts & Scient ous College -Affiliated to Bhan oved by AICTE and Govt. of Ta ted by NAAC-An ISO Certified	tathiar University Institution	HICAS/MAT/No.54		
Nature of the Event(Wo Extension Activities, Gu etc.)	orkshop, Seminar, FDP, est Lecture, EDP, MDP,	STUDENTS DEVE	LOPMENT PROGRAMME		
Name of Department/ (Cell/ Club	PG & Research Dep	partment of Mathematics		
Date/s	29.11.2022	No. of Day/s	1		
Convenor and Coordin	ator Details	ConvenorDr.S.ANURADHAProfessor & Head,Department of Mathematics.Hindusthan College of Arts and Science.CoordinatorS.KARUNALAKSHMIAssitant ProfessorDepartment of MathematicsHindusthan College of Arts and Science.			
Stratum of the Event (H International)	Regional, State, National,	Department Level – I	I MATHEMATICS		
Title of the Event		Applications of Network			
Venue		D 202			
Resource Person/s Details (Affiliation and Designation)		S.KARUNALAKSHMI Assitant Professor Department of Mathematics Hindusthan College of Arts and Science.			
Scope of the Event		To Study about the real time applications of Networks by using PERT			
Deliberations/ Discussions		Discussion about the applications of Networks by using PERT			





HICAS Accredited by NAA	C-An IS	O Certified Institutio	n		
Nature of the Event(Workshop, Seminar, FDP,		SDP			
Extension Activities, Guest Lecture, EDP, M		EDP, MDP,			
etc.)					
Name of Department/ Cell/ Club			Mathematics		1
Date/s	29.11	.2022	No. of Day/s		1
Convenor Dr. S.Am Professor Departm Hindusth DetailsConvenor Departm Hindusth Coordina Mr.M.V. Assistant Departm Hindusth		Convenor : Dr. S.Anuradha, Professor & Head Department of M Hindusthan Colle Coordinator: Mr.M.V.Baladhan Assistant Professo Department of Ma Hindusthan Colle	l Iathematics, ge of Arts & Science, Co ndapani, or, athematics, ge of Arts & Science, Co	imba	itore.
Stratum of the Event (Region: State, National, International)	al,	Department Level	l (Computer Technology)	– II	B.Sc.(CT)-'A'
Title of the EventAdva		Advantage and d	is-advantage of CPM&PI	ERT	
Venue		D-208			
Resource Person/Faculty In- Charge /s Details(Affiliation and Designation)Fac Mr Ass Details(Affiliation and Details(Affiliation and Ass Details(Affiliation and Ass Details(Affiliation and Ass Details(Affiliation and Ass Details(Affiliation and Ass Ass Details(Affiliation and Ass 		Faculty In- Charge Details : Mr.M.V.Baladhandapani, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.			
Scope of the Event		Students were abl life	le to know the Advantage	s of	Mathematics in real
The Sdr The purknow all methods Deliberations/Discussions The Protect the Adv Video Link: Mathematics Ir https://youtubee			dp was about Advantages of Mathematics in real life. urpose of the programme was to make the students about advantages and dis-advantages of CPM & PERT ds Problems in Industries. rogramme was interactive and the discussion revealed lvantages of Mathematics in real life In Our World be/zGk66R_bMZ4		
Outcomes of the Event Students gained the Knowledge of various applications in this and also its usage in daily life.			ications in this area		

Remarks and Feedback on the Event	Students enjoyed the session and felt the event was Excellent.		
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	57		
Image of the Event B	rochure	Photographs of Event	
HIGH STATES AND A SUBJECT OF SUBJ	sive Combatore -28 PROGRAM PROGRAM NTAGES OF A CONDINATOR ADHANDAPANI T PROFESSOR	<image/>	
		<image/>	



Nature of the Event (Workshop, Semina FDP, Extension Activities, Guest Lecture EDP, MDP, etc.)	r, STUDE	STUDENT DEVELOPMENT PROGRAMME			
Name of Department/ Cell/ Club	PG & R	Research Department of	of Mathematics		
Date/s	29.11.2022	No. of Day/s	1		
Convenor and Coordinator Details	Conven Dr.S.AN Professo Departn Hindust Coordin M.V.BA Assistan	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator M.V.BALADHANDAPANI Assistant Professor			
	Departn Hindust	Department of Mathematics Hindusthan College of Arts and Science			
Stratum of the Event (Regional, State, National, International)	Departn	nent Level			
Title of the Event	Graph	theory and Application	15		
Venue	C-405				
Resource Person/s Details (Affiliation an Designation)	nd Assistan M.V.BA Departn Hindust	nt Professor LADHANDAPANI ment of Mathematics han College of Arts and	Science.		
Scope of the Event	Graph tl physics (commu optimiza	Graph theory is used in organic chemistry, solid state physics and statistical mechanics, electrical engineering (communication networks and coding theory), optimization theory and operations research.			
Deliberations/ Discussions	1. G cc 2. G 3. G pr	raph theory are widely onnections of social med raph theory are widely raph theory are widely coblem	used in network lia. used in google map . used addressing route		

Outcomes of the Event	 circuit analysis is an application of graphs Network traffic routing is an application of graphs. Planning tools (tasks with start and end times and dependencies are) use directed graphs
Remarks and Feedback on the Event	This event held with interest
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	57
Image of the Event Brochure	Photographs of Event
DATE 29.11.2022 VENUE C-BLOCK	
ROOM NO 405	
Dr S.ANURADHA PROFESSOR & MR.M.V BALADHANDAPANI HEAD ASSISTANT PROFESSOR	

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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)	STUDENTS	DEVELOPMEN'	Г PROGRAMME
Name of Department/ Cell/ Club	Department	of Mathematics	
Date	02.03.2023	No. of Day/s	1
Convenor and Coordinator Details	Convenor Dr.S.ANURA Professor & H Department o Hindusthan C Coordinator Mr.M.V.BAI Assistant Pro Department o Hindusthan C	ADHA Iead, f Mathematics. ollege of Arts and LADHANDAPAN fessor f Mathematics ollege of Arts and	Science. II Science.
Stratum of the Event (Regional, State, National, International)	Department L	evel – I BSC IT B	
Title of the Event	APPLICATI	ONS OF LINEAI	R ALGEBRA
Venue	D BLOCK		
Resource Person/s Details (Affiliation and Designation)	Mr.M.V.BAI Assistant Pro Department o Hindusthan C	LADHANDAPAN fessor f Mathematics ollege of Arts and	II Science.
Scope of the Event	The important problems in v	ce of the Linear alg arious types.	gebra, use to solve
Deliberations/ Discussions	Discussion ab Real life	out the application	s of in Linear algebra in
Outcomes of the Event	Students enjo applications o	yed the session and f Linear algebra	l discussed more
Remarks and Feedback on the Event	The students	gained knowledge	in Linear algebra

Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	60
Image of the Event Brochure	Photographs of Event
 Windusthan College of Arts & Science Aproved by AICTE Autonowus Affiliated by Bharathiar University Incas • 91-422-4440555 ■ hindusthan.net www.hicas.ac.in NavaIndia, Avinashi road, Coimbatore - 28 	
DEPARTMENT OF MATHEMATICS Student Development Program on	
APPLICATIONS OF LINEAR ALGEBRA	GPS Map Camera
CLASS : I BSC IT - B DATE : 02-03-2023 VENUE : D BLOCK ROOM NO : 302 FACULTY CONVENOR FACULTY CO-ORDINATOR	Udayampalayam, Tamil Nadu, India B.Ed block, Udayampalayam, Tamil Nadu 641028, India Lat 11.011531°
DR.S.ANURADHA MR.M.V BALADHANDAPANI PROFESSOR & HEAD ASSISTANT PROFESSOR	Long 76.993199° 02/03/2023 02:59 PM GMT +05:30



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Nature of the Eve Seminar, FDP, Extensi Lecture, EDP, MDP, e	nt(Workshop, ion Activities, Guest tc.)	Student Development Programme			
Name of Departm	ent/ Cell/ Club	Mathematics			
Date	10.03.2023	N	o. of Day/s	1	
Convenor and Coordinator Details		Convenor : Dr. S.Anuradha, Professor & Head Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore. Coordinator: Dr.K.Sasikala, Associate Professor, Department of Mathematics,			
Stratum of the Ev (Regional, State, National)	ent onal, International)	Department Level – I BSc IT	- A		
Title of the Event	nt Application of Interpolation.				
Venue		D - 301			
Resource Person/Faculty In- Dr.K.SasikalaCharge /s Details(Affiliation and Designation)Faculty In- Dr.K.Sasikala Associate Pr Department of Hindusthan (Faculty In- Charge Details Dr.K.Sasikala, Associate Professor, Department of Mathematics, Hindusthan College of Arts &	ulty In- Charge Details : K.Sasikala, ociate Professor, oartment of Mathematics, dusthan College of Arts & Science, Coimbatore.		
Scope of the Event		Students were able to know the machine learning.	he interpolation	on is a tool that is used in	
Deliberations/Discussions		 The SDP was about Application of interpolation. It is a handy tool for predicting trends and other patterns in data. The purpose of the program was to make the students to know about concept of interpolation. In engineering and science obtained by sampling or experimentation, of independent variable. It is required to interpolate. The Program was interactive and the discussion revealed the interpolation of data. Video Link: Numerical Methods for Engineers https://youtu.be/LaolbjAzZvg Interpolation Formula -Newton Forward & Backward https://youtu.be/Aw6LvaPtESE Newton's forward interpolation formula in numerical methods 			



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Nature of the FDP, Extension A MDP, etc.)	Event (Work Activities, Gue	cshop, Seminar, est Lecture, EDP,	SDP			
Name of Depa	artment/ Co	ell/ Club	Mathematics			
Date/s	10.03	.2023		No. of Dag	y/s	1
Convenor and	1 Coordina	tor Details	Convenor : Dr. S.Anuradha, Professor & Head Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore. Coordinator: Mrs. Vyshna Unni, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.		coimbatore. coimbatore.	
Stratum of the Event (Regional, State, National, International)		Department Level (Compu	uter Techno	log	y) – I B.Sc CT- B	
Title of the E	Title of the Event The Math Needed for Computer Technology		logy			
Venue			D-208			
Resource Per / s Details (Affil	son/Faculty iation and Des	7 In- Charge Signation)	Faculty In- Charge Details : Mrs. Vyshna Unni, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.		coimbatore.	
Scope of the I	Event		Students are motivated to extend their studies in mathe oriented software and related topics.		studies in mathematical	
Deliberations/Discussions		Computer science majors have learnt a different kind of math compared to most other majors. This program deeply entered in to the students knowledge that mathematical network theory is playing a major role in the theory of comports and programming languages. Video Link: https://youtu.be/eSFA1Fp8jcU				

Outcomes of the Event	Students obtain knowledge about different kind of mathematical applications in computer Technology.
Remarks and Feedback on the Event	Students enjoyed the session and felt the event was Excellent.
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	38
Image of the Event Brochure	Photographs of Event
HINDUSTHAN COLLECE OF ARTS & SCIE Autonomous Institution – Affiliated to Bharathiar University Approved by AICTE and Government of Tamilnadu Accredited by NAAC with 'A++' Grade Hindusthan Gardens, Avinashi Road, Coimbatore-641 028. incas@hindusthan.net () www.hicas.acin () +91-4 DEPARTMENT OF MATHEMATICS SCIENCE AND ANALYTICS STUDENTS DEVELOPMENT PROGRAM THE MATH NEEDED FOR COMPUTER TEC	A22-4440555 A22-4440555 A22-4440555 A DATA MME ON CCHNOLOGY A DATA MARE ON CCHNOLOGY
Participants I B.Sc. CT- B Date: 10.03.2023 Venue: D- 208 Convenor Faculty Coo Dr. S. Anuradha Mrs. Vyshi Professor & Head Assistant P	ordinator ma Unni Professor

HINDUSTHAN COLLEGE OF ARTS & Autonomous Institution – Affiliated to Bharathiar Uni Approved by AICTE and Government of Tamilna Accredited by NAAC with 'A++' Grade Hindusthan Gardens, Avinashi Road, Coimbatore-641	SCIENCE versity du 028. +91-422-4440555	Ac how there	HICAS/MAT/No. 75
Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)	STUDENTS	S DEVELOPME	NT PROGRAMME
Name of Department/ Cell/ Club	Department	t of Mathematics	5
Date/s	13.03.2023	No. of Day/s	1
Convenor and Coordinator Details	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator Dr.M.RAJARAJESWARI Associate Professor Department of Mathematics		nd Science.
Stratum of the Event (Regional, State, National, International)	Department	Level – I BSc CS	В
Title of the Event	Numerical Methods for Computer Science		nputer Science
Venue	C402		
Resource Person/s Details (Affiliation and Designation)	Dr.M.RAJ Associate Pr Department Hindusthan	ARAJESWARI ofessor of Mathematics College of Arts ar	nd Science.
Scope of the Event	The importa Methods is t involving rea	nce of the Numer he use of compute al numbers.	ical ers to solve problems
Deliberations/ Discussions	Discussion a in the field of Algebraic ar equations, Ir Integration e	bout the application of Computer scien ad Transcendal eq aterpolation, Num	ons of Numerical Methods ce with the solution of uations, simultaneous erical Differentiation and
Outcomes of the Event	Students enj applications	oyed the session a of Numerical Me	and discussed more thods

Remarks and Feedback on the Event	The students gained knowledge in Mathematical foundation in computer science.
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	45
Image of the Event Brochure	Photographs of Event
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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)	STUDENTS	DEVEL	OPMENT PROGRAMME
Name of Department/ Cell/ Club	Department	of Mathe	ematics
Date	16.03.2023	No. of Day/s	1
Convenor and Coordinator Details	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator Mr.M.V.BALADHANDAPANI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.		
Stratum of the Event (Regional, State, National, International)	Department L	evel – I I	BSC IT B
Title of the Event	APPLICATI	ONS OF	INTERPOLATION
Venue	E BLOCK		
Resource Person/s Details (Affiliation and Designation)	Mr.M.V.BAI Assistant Pro Department o Hindusthan C	LADHAN fessor f Mathen ollege of	NDAPANI natics Arts and Science.
Scope of the Event	The important problems in v	ce of the arious ty	Interpolation, use to solve pes.
Deliberations/ Discussions	Discussion ab	out the a	pplications of Interpolation
Outcomes of the Event	Students enjoy applications of	yed the so f Interpo	ession and discussed more plation



Coimbatore, Tamil Nadu, India 2X6V+MHR, Coimbatore, Tamil Nadu 641028, India Lat 11.011874° Long 76.993906° 16/03/2302:41 PM GMT +05:30

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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)		Student	Student Development Programme				
Name of Department/ Cell/ Club		Departme	Department of Mathematics				
Date/s 20.03.2023			No. of Day/s	One			
Convenor and Coordinator Details		Conven Head a Depart Hindus Coimba Coordir Assista Depart Hindus Coimba	Convenor : Dr.S.ANURADHA Head and Professor , Department of Mathematics, Hindusthan College Of Arts and Science. Coimbatore. Coordinators: Mrs.J.Radhalakshmi Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.				
Stratum of the Event (Regional, State, National, International)		Departr	Department level				
Title of the Event		Applica	Application of Statistics in daily life(ANOVA)				
Venue		A- Bloo	A- Block Room No. A-216				
Resource Person/s/ Faculty Incharge Details (Affiliation and Designation)		Mrs. J. Depart Hindus Coimba	Mrs. J.RADHALAKSHMI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore				
Scope of the Event		Studen in Dail	Students were able to know the Applications of Statistics in Daily life.				
Deliberations/Discussions		Student strategie	dents learned how to calculate F-ratio and use simple ategies to analyze the variance.				

Outcomes of the Event	The purpose of the programme was to make the students know about the concept of Analysis of Variance (ANOVA). The one-way analysis of variance is used to determine whether there are any statistically significant differences between the means of three or more independent unrelated groups.		
Remarks and Feedback on the Event	The Programme was interactive and the discussion revealed the applications of Statistics in real life.		
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	06		





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Nature of the Event (Workshop, Seminar, FDP, Extension	STUDENTS DEVELOPMENT			
Activities, Guest Lecture, EDP, MDP, etc.)	PROGRAMME			
Name of Department/ Cell/ Club	Department of Mathematics			
Date	20.03.2023	No. of Day/s	1	
Convenor and Coordinator Details	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator P.JAGADEESHWARI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.			
Stratum of the Event (Regional, State, National, International)	Department Level – II BSc MATHEMATICS			
Title of the Event	APPLICATIONS OF REAL ANALYSIS			
Venue	A BLOCK			
Resource Person/s Details (Affiliation and Designation)	P.JAGADEESHWARI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.			
Scope of the Event	The importance of the Real analysis, use to solve problems involving real numbers.			
Deliberations/ Discussions	Discussion about the applications of Real Analysis in Real life			
Outcomes of the Event	Students enjoyed the session and discussed more applications of Real analysis			
Remarks and Feedback on the Event	The students analysis	The students gained knowledge in Mathematical analysis		


HINDU HICAS Hicas@hin	USTHAN COLLEGE OF ARTS utonomous Institution – Affiliated to Bharathia Approved by AICTE and Government of Ta Accredited by NAAC with 'A++' Grad industhan Gardens, Avinashi Road, Coimbator ndusthan.net	IENCE y p1-422-4440555	HICAS/MAT/No.93			
Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)			Student Development Programme			
Name of Depar	rtment/ Cell/ Club		Department of Mathematics			
Date/s	21.03.2023		No. of Day/s	One		
Convenor and Coordinator DetailsConvenor : Dr.S.ANUL Head and Professor , Department of Mathem Hindusthan College Of Coimbatore.Coordinators: Mrs.S.K Assistant Professor, Department of Mathem Hindusthan College of Coimbatore.		venor : Dr.S.ANURA ad and Professor, partment of Mathemati dusthan College Of A mbatore. rdinators: Mrs.S.KA istant Professor, partment of Mathemati dusthan College of Ar mbatore.	JURADHA , iematics, Of Arts and Science. S.KARUNALAKSHMI iematics, of Arts & Science,			
Stratum of the National, Internation	Stratum of the Event (Regional, State, National, International)		Department level			
Title of the Eve	ent	PRC	OGRAMME ON NET	WORK APPLICATIONS		
Venue		B Block Room No. A-401				
Resource Person/s/ Faculty Incharge Details (Affiliation and Designation)		Mrs.S.KARUNALAKSHMI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore				
Scope of the l	Event	Students were able to know about the Networks.				
Deliberations/Discussions		Students learned what are the real time applications of Networks				
Outcomes of the Event		The purpose of the programme was to make the students know about the concept of Network and its real time applications				
Remarks and l	Feedback on the Event	The Programme was interactive and the discussion revealed the applications of Network				

Total No. of Participants	5
(Mention Faculty count also if it is an Extension	
Activity)	



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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)	STUDENTS	DEVELOPMEN	T PROGRAMME
Name of Department/ Cell/ Club	Department	of Mathematics	
Date	21.03.2023	No. of Day/s	1
Convenor and Coordinator Details	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator P.JAGADEESHWARI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.		
Stratum of the Event (Regional, State, National, International)	Department I	.evel – I BCA-B	
Title of the Event	APPLICATI	ONS OF NUME	RICAL METHODS
Venue	D BLOCK		
Resource Person/s Details (Affiliation and Designation)	P.JAGADEESHWARI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.		1 Science.
Scope of the Event	The importan solve problem	ce of the Numeric ns involving in rea	cal methods , use to al life .
Deliberations/ Discussions	Discussion at methods in R	out the applicatio	ons of Numerical
Outcomes of the EventStudents enjoyed the session and discussed n applications of Numerical methods		nd discussed more hods	
Remarks and Feedback on the Event	The students analysis of N	gained knowledge umerical methods	e in Mathematical



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Nature of the Event(Wo Extension Activities, Guest L	orkshop, Seminar, FDP, ecture, EDP, MDP, etc.)	Stu	dent Development F	rogramme		
Name of Department/	Cell/ Club	PG	PG & Research Department of Mathematics			
Date/s	30.03.2023			No. of Day/s	One	
Convenor and Coordin	ator Details	Dr. Hea PG Hin Coi	S.Anuradha ad & Professor & Research Departi dusthan College of mbatore.	ment of Ma Arts and So	athematics cience	
Stratum of the Event (Finternational)	Regional, State, National,	Dep	bartment Level			
Title of the Event		App	Dication of Graph	Theory in r	eal life	
Venue		Roc	om No: D402			
Resource Person/s Deta Designation)	ails(Affiliation and	Dr.D.Mallika Associate Professor PG and Research Department of Mathematics Hindusthan College of Arts and Science			Mathematics cience	
Scope of the Event		It is of n equ eng diff inte	widely used for for nachine learning . S ations: Most mather ineering) are based erential equations, o gral equations.	recasting a Solving diff natical mo- on the solu ordinary dif	nd predicting in the field ferential and integral dels (particularly in tions obtained by partial ferential equations and	
Deliberations/Discussions			Numerical Methods use computers to solve problems by step-wise, repeated and iterative solution methods, which would otherwise be tedious or unsolvable by hand- calculations. This course is designed to give an overview of numerical methods of interest to scientists and engineers.			
Outcomes of the Event		Students enjoyed the session and discussed more applications in daily life.			liscussed more	
Remarks and Feedbacl	k on the Event	Students felt that they gain more knowledge about applications of numerical methods in daily life.			nowledge about in daily life.	
Total No. of Participan (Mention Faculty count also Activity)	ts if it is an Extension	56				
Image of the	Event Brochure		P	hotograph	s of Event	







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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)	SDP	SDP				
Name of Department/ Cell/ Club	Mathematics					
Date/s 03.04.2023		No. of Day/s 1				
Convenor and Coordinator Details	Convenor : Dr. S.Anuradha, Professor & Head Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore. Coordinator: Mrs. Vyshna Unni, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore					
Stratum of the Event (Regional, State, National, International)	Department Level (Computer Technology) – I CGS					
Title of the Event	A Computer Science Perceptive on Graph Theory					
Venue	E-203					
Resource Person/Faculty In- Charge /s Details (Affiliation and Designation)	Faculty In- Charge Details : Mrs. Vyshna Unni, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.					
Scope of the Event	Students are encouraged to between graph theory and know about more applic softwares.	know more about the interrelation ship computer science. They motivated to ations of graph theory in computer				
Deliberations/Discussions	Discussions Some important definitions and essential terminology in g theory followed by a discussion of different types of grap encountered. Further we discussed few ways to represent grad data structures. Video Link: https://youtu.be/LFKZLXVO-Dg					
Outcomes of the EventStudents obtain knowledge about the essentiality of mather specially graph theory in computer science.						
Remarks and Feedback on the Event	Students enjoyed the session	on and felt the event was Excellent.				

Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	40
Image of the Event Brochure	Photographs of Event
HINDUSTHAN COLLEGE OF ARTS & SCIENCE Autonomous Institution - Affiliated to Bharathiar University Approved by AICTE and Government of Tamilnadu Accredited by NAAC with 'A++' Grade Hindusthan Gardens, Avinashi Road, Coimbatore-641 028.	Image: Second
Participants I B.Sc. CGS Date: 03.04.2023 Venue: E- 203 Convenor Dr. S. Anuradha Professor & Head Assistant Prof	trator trator trator tessor

HINDUSTHAN COLLEGE OF ARTS & SCIENCE Autonomous Institution – Affiliated to Bharathiar University Approved by AICTE and Government of Tamilnadu Accredited by NAAC with 'A++' Grade Hindusthan Gardens, Avinashi Road, Coimbatore-641 028.			HICAS/M	1AT/ No.104	
Nature of the Event(Wo Extension Activities, Guest L	rkshop, Seminar, FDP, ecture, EDP, MDP, etc.)	SDP			
Name of Department/ C	Cell/ Club	Mathematics			
Date/s	19.4.2023		No. of Day/s	1	
Convenor and Coordinator Details		Convenor : Dr. S.Anuradha, Professor & Head Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore. Coordinator: Mrs.M.Subhashree Assistant Professor, Department of Mathematics,			
Stratum of the Event (Regional, State, National, International)		Department Level (Computer Science) – I B.Sc CS A			
Title of the Event		Applications of Numerical methods in Various fields			
Venue		C-401			
Resource Person/Faculty In- Charge /s Details (Affiliation and Designation)		Faculty In- Charge Details : Mrs.M.Subhashree Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.			
Scope of the Event		Students are motivated to extend their studies in Numerical Methods for various fields			
Deliberations/Discussions		Learning various numerical methods and analyzing them will familiarise a person with the process of inventing new numerical methods			
Outcomes of the Event		Numerical methods are rapidly moving into the mainstream of mathematics mainly because of its applications in diverse fields which include chemistry, electrical engineering operation research.			
Remarks and Feedback on the Event		Students enjoyed the session and felt the event was Excellent.			

Total No. of Participants			
(Mention Faculty count also if it is an Extension	45		
Activity)			
Image of the Event Brochure		Photographs of Event	
INDUSTIAN COLLEGE OF ARTS & SCIENCE Autonomous Institution – Affiliated to Bharathiar University Approved by AICTE and Government of Tamilnadu Accredited by NAC with 'A++' Grade Industhan Gardens, Avinashi Road, Coimbatore-641 028. Incas@hindusthan.net (Marken Coimbatore-641 028) PO 19122444055 PG and Research Departement of Mathemaics OF PG and Research Departement of Mathemaics Application of Numerical Method in Various fields Date : 19.04.2023 Case : I.B.Sc CS A Date : 19.04.2023	of ds	<image/>	
Convenor Co-Ordinator	+		
Brofessor&Head Assistant Profess	or		
Assistant Profess			
	1		

HINDUSTHAN COLLE Autonomous Institution – A Approved by AICTE a Accredited by NA Hindusthan Gardens, Avin hicas@hindusthan.net	HICAS/MAT/No.1	105			
Nature of the Event (Workshop, Extension Activities, Guest Lecture, I	Seminar, FDP, EDP, MDP, etc.)	Student Developmen	t Programme		
Name of Department/ Cell/ Cl	ub	Department of Math	ematics		
Date/s	19.04.2023	No. of Day/s	One		
Convenor and Coordinator Details		Convenor : Dr.S.ANURADHA Head and Professor , Department of Mathematics, Hindusthan College Of Arts and Science. Coimbatore. Coordinators: Mrs.S.KARUNALAKSHMI Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.			
Stratum of the Event (Regional, State, National, International)		Department level	Department level		
Title of the Event		Application of LPF			
Venue		A- Block Room N	o. A-218		
Resource Person/s/Faculty Incharge Details (Affiliation and Designation)		Mrs.S.KARUNALAKSHMI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore			
Scope of the Event		Students were able LPP.	Students were able to know the Applications of LPP.		
Deliberations/Discussions		Students learned woof LPP are.	Students learned what the real time application of LPP are.		
Outcomes of the Event		The purpose of the students know about real time application	The purpose of the programme was to make the students know about the concept of LPP and i real time applications of LPP.		

Remarks and Feedback on the Event	The Programme was interactive and the discussion revealed the applications of LPP.
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	13

Image of the Event Brochure	Photographs of Event
 INDUSTION COLLECTO OF ARTS & SCIENCE Autonomous Institution – Affiliated to Bharathiar University Approved by AICTE and Government of Tamihadu Accredited by NAAC with 'A++' Grade Industhan Gardens, Avinashi Road, Coimbatore-641 028. Intas@nindusthan net Image industhan net Image indus	
DATE :19.04.2023	Udayampalayam, Tamil Nadu, India Nursery Block, Udayampalayam, Tamil Nadu 641028, India Lat 11.012768°
TIME:2.55-3.45 PM	Long 76.993136° Soogle 18/04/23 03:42 PM GMT +05:30
CLASS: III B.Sc Maths	
FACULTY CO ORDINATOR S.KARUNALAKSHMI Assistant Professor COCo	

HINDUSTHAN COLLEGE OF ARTS & SCIENCE Autonomous Institution – Affiliated to Bharathiar University Approved by AICTE and Government of Tamilnadu Accredited by NAAC with 'A++' Grade Hindusthan Gardens, Avinashi Road, Coimbatore-641 028.					CAS/MAT/No. 109
Nature of the Event(Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)		Student	Student Development Programme		
Name of Departme	nt/ Cell/ Club	Departm	ent of Mathemati	cs	
Date/s	20.04.2023		No. of Day/s		One
Convenor and Coordinator Details		Convenor : Dr.S.ANURADHA Head and Professor , Department of Mathematics, Hindusthan College Of Arts and Science. Coimbatore. Coordinators: Mrs.J.Radhalakshmi Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore.			
Stratum of the Even National, Internatio	nt (Regional, State, nal)	Department level			
Title of the Event		Application of Mean, Median and Mode in Real life			
Venue		B-Block Room No. B-206			
Resource Person/s/ Faculty Incharge Details (Affiliation and Designation)		Mrs. J.RADHALAKSHMI, Assistant Professor, Department of Mathematics, Hindusthan College of Arts & Science, Coimbatore		ence,	
Scope of the Event		Students were able to know the Applications of mean in Daily life.			

Deliberations/Discussions	 Students learned how to calculate mean, median and mode for ungrouped and grouped data. The mean, median and mode are widely used by insurance analysts and actuaries in the healthcare industry. For example: Mean: Insurance analysts often calculate the mean age of the individuals they provide insurance for so they can know the average age of their customers. Median: Actuaries often calculate the median amount spent on healthcare each year by individuals so they can know how much insurance they need to be able to provide to individuals. Mode: Actuaries also calculate the mode of their customers (the most commonly occurring age) so they can know which age group uses their insurance the most.
Outcomes of the Event	The purpose of the programme was to make the students know about the concept of measures of central tendency.
Remarks and Feedback on the Event	The Programme was interactive and the discussion revealed the applications of Mean,Median and Mode in real life.
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	40

HINDUSTHAN COLLEG Autonomous Institution - Affilia Approved by AICTE and Gov Accredited by NAAC Industhan Gardens, Avinashi hicas@hindusthan.net www.hicas DEPARTMENT OF STUDENT DEVE2004	E OF ARTS & SCIENCE ted to Bharathiar University vernment of Tamilnadu with 'A+' Grade Road, Colmbatore-641 028. Lacin +91-432-4440555 MATHEMATICS	
DEPARTMENT OF STUDENT DEVEZOP	MATHEMATICS	
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	ment program	
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Application of Mean in Rea	, Median and Mode l life	24 14/4
CLASS II		A A A A A A A A A A A A A A A A A A A
DATE 2	20.04.2023	64 10
VENUE B	BLOCK	GPS Map Ca
ROOM NO 2	06	Nursery Block, Udayampalayam, Tamil Nadu, India Nursery Block, Udayampalayam, Tamil Nadu 641028, In
CONVENOR	FACULTY CO-ORDINATOR	Long 76.993145°
Dr S.ANURADHA PROFESSOR & HEAD	Mrs.J.RADHALAKSHMI ASSISTANT PROFESSOR	Google 20/04/23 01:01 PM GMT +05:30



Lat 11.012052°

Long 76.993256° 20/04/23 12:54 PM GMT +05:30

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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)	STUDENTS DEVELOPMENT PROGRAMME
Name of Department/ Cell/ Club	Department of Mathematics
Date	20.04.2023 No. of Day/s 1
Convenor and Coordinator Details	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator Y.ANGELPRIYA Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.
Stratum of the Event (Regional, State, National, International)	Department Level – I B.Sc(CT)-'A'
Title of the Event	APPLICATIONS OF NUMERICAL METHODS IN REAL LIFE
Venue	D BLOCK
Resource Person/s Details (Affiliation and Designation)	Y.ANGELPRIYA Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.
Scope of the Event	The importance of Numerical Methods, used for solving mathematical problems that are formulated in science and engineering where it is difficult or impossible to obtain exact solution.
Deliberations/ Discussions	Discussion about the applications of Numerical Methods in Real life
Outcomes of the Event	Students enjoyed the session and discussed more applications of Numerical Methods.





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Nature of the Event (Workshop, Seminar, FDP, Extension Activities, Guest Lecture, EDP, MDP, etc.)	STUDENTS DEVELOPMENT PROGRAMME	
Name of Department/ Cell/ Club	Department of Mathematics	
Date	21.04.2023 No. of Day/s 1	
Convenor and Coordinator Details	Convenor Dr.S.ANURADHA Professor & Head, Department of Mathematics. Hindusthan College of Arts and Science. Coordinator Mr.M.V.BALADHANDAPANI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.	
Stratum of the Event (Regional, State, National, International)	Department Level – I BSC CS C	
Title of the Event	APPLICATIONS OF ITERATIVE METHOD	
Venue	C BLOCK	
Resource Person/s Details (Affiliation and Designation)	Mr.M.V.BALADHANDAPANI Assistant Professor Department of Mathematics Hindusthan College of Arts and Science.	
Scope of the Event	The importance of the Iterative Method, use to solve problems in various types.	
Deliberations/ Discussions	Discussion about the applications of in Iterative Method in Engineering .	
Outcomes of the Event	Students enjoyed the session and discussed more applications of Iterative Method	
Remarks and Feedback on the Event	The students gained knowledge in Linear algebra	
Total No. of Participants (Mention Faculty count also if it is an Extension Activity)	60	

Image of the Event Brochure	Photographs of Event
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DEPARTMENT OF MATHEMATICS Student Development Program on	
APPLICATIONS OF ITERATIVE METHOD	
CLASS : I BSC CS "C" DATE : 21-04-2023 VENUE : C BLOCK ROOM NO : 405 CONVENOR FACULTY CO-ORDINATOR DR.S.ANURADHA MR.M.V BALADHANDAPANI	
PROFESSOR & HEAD ASSISTANT PROFESSOR	

