


NANDHA ENGINEERING COLLEGE

(Autonomous)

ERODE – 638 052

INTERNAL QUALITY ASSURANCE CELL
Department : MATHEMATICS
CIRCULAR

Ref: NEC/DEPT/ 2024-25 /CIR - 01

Date: 09.12.2024

Date of the Event	Name of the Resource person	Title	Time	Venue
Mathematics Club inauguration	.Dr.C.Veeramani	Bridging theory and practice: Mathematics as the Heart of Engineering	11.00am to 1.00 pm	Conference Hall

G.S. [Signature] 9/12/24
HOD/DEPT



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SPEAKER PROFILE

Name	Dr.C.VEERAMANI
Designation	ASSISTANT PROFESSOR
Organization	PSG COLLEGE OF TECHNOLOGY,COIMBATORE
Areas of Interest	FUZZY OPTIMIZATION AND FUZZY LOGIC
Experience (in years)	15YEARS
Invitation Flyer (To be Enclosed)	<p> NANDHA Engineering College (Autonomous) ERODE - 638 052, Tamil Nadu. </p> <p> DEPARTMENT OF MATHEMATICS Organizes SIGMA SQUAD MATHEMATICS CLUB INAUGURATION BRIDGING THEORY AND PRACTICE: MATHEMATICS AS THE HEART OF ENGINEERING Time : 11 : 00 AM to 01:00 PM Guest Speaker </p> <p> Dr. C. Veeramani Assistant Professor, Department of Applied Science, PSG College of Technology, Coimbatore </p> <p> Coordinator Ms. P. Devi , AP/ MATHS, Ms. S. Saranya , AP/ MATHS, Ms. A. Megala , AP/MATHS. </p> <p> Convener Dr. G. S. Munugandian, Head /MATHS. </p> <p> Patrons Dr. U. S. Ragupathy, Principal - NEC Mr. R. Thirunelakkandan, Head/S&H </p>

Personal Profile



Dr.Veeramani C

Academic Title: Assistant Professor

Dept. of Applied Science,

PSG College of Technology, Coimbatore, Tamilnadu, India.

Date of Joining: 06/10/2008

Educational Qualification(s): B.Sc (Mathematics) - Bishop Heber college - 2003

M.Sc (Mathematics) - Jamal Mohamed College - 2005

Ph.D (Mathematics) - Anna University - 05/13/2013

Supervisor: Dr. C. Duraisamy

M.Phil (Mathematics) - Periyar University - 04/04/2006

Contact Information: cvm.amcs@psgtech.ac.in (mailto:cvm.amcs@psgtech.ac.in)

Google Scholar URL: https://scholar.google.co.in/citations?user=ygmv4_0AAAAJ&hl=en

https://scholar.google.co.in/citations?user=ygmv4_0AAAAJ&hl=en

Research Scholar URL: <https://www.scopus.com/authid/detail.uri?authorId=57195367758>
(<https://www.scopus.com/authid/detail.uri?authorId=57195367758>)

Skills

In Brief

I am Dr. C. Veeramani, Assistant Professor, Department of Applied Science, PSG College of Technology. He has received PhD degree in Fuzzy Optimization from Anna University, Chennai, India. He has over 10 years of teaching and research experience. His fields of interest include fuzzy optimization, fuzzy logic, soft computing and epidemic

International & National Journals

S.No.	Journal	Paper Title	Year	Role	Volume
1	Journal Of Analysis	The dynamics of the fractional SEIQR malware spread model on wireless sensor networks	2024	Co Author	0
2	Opsearch	Enhancing transmission control of the COVID-19 epidemic in India: optimal strategies and approaches	2024	Co Author	0
3	Wireless Personal Communications	Optimal Control of Computer Virus Spreading Model with Partial Immunization	2024	Co Author	134
4	Optimal Control Applications & Methods	Analyzing nonlinear dynamics of dengue epidemics: A fractional order model with alert state and optimal control strategies	2024	Co Author	0
5	International Journal of Industrial Engineering : Theory Applications and Practice	Integrated Neutrosophic Dematel, Topsis, and Gra Approach for Financial Ratio Performance Evaluation of NASDAQ Exchange	2024	Co Author	31
6	Journal Of Intelligent & Fuzzy Systems	A hybrid incomplete decision system using fuzzy sets and rough set theory with varying object sets and values	2023	Co Author	45
7	Soft Computing	An effective approach for predicting daily stock trading decisions using fuzzy inference systems	2023	Co Author	28
8	Results in Control and Optimization	Enhancing daily stock trading with a novel fuzzy indicator: Performance analysis using Z-number based fuzzy TOPSIS method	2023	Co Author	12
9	Results in control and optimization	An optimal control of bi-modal COVID-19 SEIQR epidemic spreading model in India	2023	Co Author	0
10	Optimal Control Applications & Methods	Nonlinear analysis and dynamics of COVID-19 mathematical model with optimal control strategies	2023	Co Author	44
11	Journal Of Intelligent & Fuzzy Systems	A dynamic optimal solution approach for solving neutrosophic transportation problem	2023	Co Author	44
12	Computational Economics	An Exploration of the Fuzzy Inference System for the Daily Trading Decision and Its Performance Analysis Based on Fuzzy MCDM Methods	2022	Main Author	0

S.No.	Journal	Paper Title	Year	Role	Volume
13	Neutrosophic Sets and Systems	Neutrosophic DEMATEL approach for financial ratio performance evaluation of the NASDAQ Exchange	2022	Main Author	51
14	MATHEMATICAL PROBLEMS IN ENGINEERING	Value- and Ambiguity-Based Approach for Solving Intuitionistic Fuzzy Transportation Problem with Total Quantity Discounts and Incremental Quantity Discounts	2020	Main Author	0
15	WIRELESS PERSONAL COMMUNICATIONS	Optimal Control of Malware Spreading Model with Tracing and Patching in Wireless Sensor Networks	2020	Co Author	3
16		Optimization for multi-objective sum of linear and linear fractional programming problem: fuzzy nonlinear programming approach	2020	Main Author	14
17	RAIRO - OPERATIONS RESEARCH	An improved evaporation rate-water cycle algorithm based genetic algorithm for solving generalized ratio problems	2020	Main Author	0
18	Journal of Physics: Conference Series	A Method For Solving Balanced And Unbalanced Trapezoidal Intuitionistic Fuzzy Assignment Quandary	2019	Co Author	0
19	COMPUTING	Dynamic behaviour of competing memes' spread with alert influence in multiplex social-networks	2018	Co Author	8
20	Applied Mathematical Modelling	Solving the linear fractional programming problem in a fuzzy environment: Numerical approach	2016	Main Author	40(11-12)
21	Journal of Intelligent & Fuzzy Systems	A new method for solving fuzzy linear fractional programming problems	2016	Co Author	31
22	RAIRO - Operations Research	Fuzzy Mathematical Programming approach for Solving Fuzzy Linear Fractional Programming Problem	2014	Main Author	48 (2014)
23	, International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	Nearest Symmetric Trapezoidal Fuzzy Number Approximation Preserving Expected Interval	2013	Main Author	21, 777-7
24	OPSEARCH	A note on ranking of L-R fuzzy numbers	2012	Main Author	49

International & National Conferences

S.No.	Conference Title	Paper Title	Date	Role	Organized By
1	Second International Conference on Intelligent Computing and Control Systems	Analyzing the Performance Measures of Multi-Objective Water Cycle Algorithm for Multi-Objective Linear Fractional Programming Problem	11-03-2019	Main Author	OTHERS

Contributions

S.No.	Title	Author	Nature	Date
1	Analysis of Fuzzy DEMATEL Approach for Financial Ratio Performance Evaluation of NASDAQ Exchange	R Venugopal, Research Scholar Dr.Veeramani C S. A. Edalatpanah, Associate Professor,	Chapter	22-11-2021

Special Lectures Delivered

S.No.	Event	Topic	Organizer	From	To
1	Mastering LaTeX	A Workshop for Beginners	Department of Mathematics, Kumaraguru College of Technology, Coimbatore	06/05/2024	06/05/2024
2	Optimization Techniques	Simplex method for LPP: Theory and Techniques with Different Cases	NITTTR-Chandigarh	22/01/2019	22/01/2019

Programmes Attended

S.No.	Title of the Programme	From	To	Organized by	Sponsoring Agency
1	Mathematics for Machine Learning	01/08/2024	06/08/2024	Coimbatore Institute of Technology	Malaviya Mission Teacher Training Programming

S.No.	Title of the Programme	From	To	Organized by	Sponsoring Agency
2	NEP 2020 Orientation & Sensitization Programme	04/12/2023	13/12/2023	Coimbatore Institute of Technology	Malaviya Mission Teacher Training Programming
3	Three Days National Workshop on Machine Learning and Deep Learning using MATLAB	09/11/2023	11/11/2023	PSG College of Technology, Coimbatore	MATLAB
4	International Conference on Applied Mathematical Models (ICAMM 2021)	07/01/2021	09/01/2021	Department of Mathematics, PSG College of Technology	AICTE
5	TEACHING-LEARNING USING MATLAB	24/11/2020	28/11/2020	AICTE Training And Learning (ATAL) Academy	AICTE
6	"Mathematical Models in Applied Sciences	21/07/2020		Department of Mathematics, PSG College of Technology	PSG College of Technology
7	Instructional School for Teachers on Differential Equations: Theory, Methods and Applications	18/11/2019	30/11/2019	Bharathiar University, Coimbatore	National Centre for Mathematics
8	Four Week Faculty Induction Programme	13/05/2019	09/06/2019	Coimbatore Institute of Technology	MHRD
9	QIP Short term Course on Mathematical Finance: Theory and Practice	16/01/2017	21/01/2017	IIT Madras	AICTE

Awards and Achievements

S.No.	Title of the Award	Awarded By	Date of Achievement
1	State level Best NSS Programme Officer Award in the year 2017-18	National Service Scheme, Anna University, Chennai	28/09/2018
2	Best Faculty of the year 2016-2017	PSG Institute of Advanced Studies	17/02/2017

Doctoral Guidance / Supervision : Completed

S.No.	Name of the Candidate	Title of the Thesis	Date of Completion
1	Joseph Robinson M	CERTAIN INVESTIGATIONS ON INTUITIONISTIC FUZZY AND NEUTROSOPHIC OPTIMIZATION PROBLEMS	13-03-2024
2	Sharanya S	CERTAIN INVESTIGATIONS ON OPTIMIZATION PROBLEMS AND THEIR APPLICATIONS	26-04-2023

Doctoral Guidance / Supervision : In Progress

S.No.	Name of the Candidate	Area of Research
1	Ms.Abilasha P B, AMC	Stochastic Models
2	Venugopal R	Fuzzy sets and Systems
3	Megala A	Fuzzy sets and Systems
4	Ragavan M	Fuzzy sets and Systems

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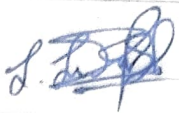









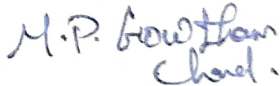
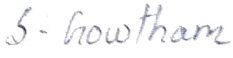
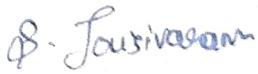



Designed & Developed by PSG Software Technologies & NMC



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LIST OF MEMBERS ATTENDED THE EVENT

S.No	Register Number	Name	Signature
1	24CS070	B. HARINI	B. Harini
2	24CS109	Madhumitha. S	Madhumitha S
3	24CS079	R. Janani	R. Janani
4	24CS103	P. Leena	P. Leena
5	24CS074	A.P. Harshini	A.P. Harshini
6	24CS095	T. Keethana	T. Keethana
7	24CS106	B.L. Lithika	B.L. Lithika
8	24CS111	S. P. Manasa Visakai	S.P. Manasa Visakai
9	24CS084	S.K. JEEYASHRI	S.K. Jeejeshri
10	24CS080	Janani. V.S.	Janani. V.S.
11	24CS071	Harinie. S.A	Harinie S.A
12	24CS089	Kanishka. K	Kanishka

13	24CS069	Harini . R	Harini
14	24CS102	Lakshana . J	Lakshana
15	24CS078	Tanasi . T.L	Tanasi
16	24CS090	Karthiga . P	Karthiga . P
17	24CS098	Kirthiga . A	Kirthiga . A.
18	24CS091	Karthika . P.	Karthika . P.
19	24CS100	Kiruthika . A	PK
20	24CS101	Kowalkestwari . B	B. Kowalkestwari
21	24CS094	Keerthana . P.S	P.S. Keerthana .
22	24CS093	Kavya Shree T.R.S	T.R.S Kavya Shree
23	24CS105	Libiya shri . A.A .	A.A. <u>Libiya</u>
24	24CS064	GIOPIKA . S	G. GIOPIKA
25	24CS112	P. Maneetha	Maneetha . P.
26	24CS099	S. Kirithika	Kirithika . S
27	24CS072	K. HARINIKASRI	B. Harini .
28	24CS081	JAYASUBHA . R	J. Jayasubha





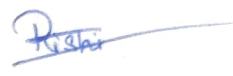

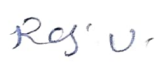
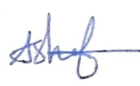
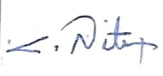




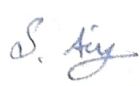
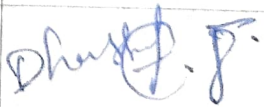

29	24CS077	JAI VIGNESH. J	
30	24CS065	B. GOWTHAM	
31	24CS097	J. KIRTHANESHA	
32	24CS110	U. Mohendran	
33	24CS108	R. Madhan prasath	
34	24CS060	S. GOKUL ANAND	
35	24CS059	S. Gokubakrishnan	
36	24CS063	C. GOKULVASAN	
37	24CS088	S. P. KAMALESWARAN	
38	24CS058	R. GOKUL	
39	24CS066	M.P. Gowtham Chand	
40	24CS067	S. Gowtham	
41	24CS076	B. Jaisivaram	
42	24CS086	John Ruban. S	
43	24CS085	Jishnu. G.	
44	24CS083	J. Jeyaram	

45	24CS061	R. Gokulathalaisekaran	R. Gokul
46	24CS092	J. Karthikeyan	J. Karthi
47	24CS073	B. Harishkumar	B. Harish
48	24CS113	T. Mathanprath	M.P.
49	24CS068	Guruprath, R	G.P.
50	24CS096	Kesavan, M	K.P.
51	24CS107	LOMESH, S	L.S.
52	24CS104	P. lelash	P.L.
53	24CS082	S. Jeevika	S. Jeevika
54	24CS075	L. Harshini	L. Harsh.

55	732224CS160	RATHIPRIYA. S	of. Praveen
56	732224CS122	MOHANA PRIYA. D	Praveen
57	732224CS165	ROOPASHRI. S	Praveen
58	732224CS145	POORODI. M	M.B
59	732224CS150	PRIYA. P	P. Praveen
60	732224CS162	RESHMA. C	Reshma
61	732224CS143	POOJA. M	M. Praveen
62	732224CS144	S. POOJASRI	S. Praveen
63	732224CS129	Nandhini. K. S	Nandhini
64	732224CS116	M Pradula S	S. Praveen
65	732224CS151	PRIYANKA. K	Praveen
66	732224CS158	RAMYA. S	S. Praveen
67	732224CS115	Milir Frank. FM	Praveen
68	732224CS117	KJ. S P	Praveen
69	732224CS152	S. Rafiya Parveen	Rafiya Parveen
70	732224CS114	N.M. Mathu Soonya.	N.M. Mathu Soonya

71	732224CS167	P.RUKSANA	Ruksana . P
72	732224CS138	M.NITHIKESWARI	M. Nith
73	732224CS128	Nagoor Mydeen. T.R	Nagoor Mydeen.
74	732224CS140	T.M. Oviyappiya	Oviyappiya.
75	732224CS118	Mohamed Aslam . S	Aslam . S
76	732224CS161	Ravi Shankar . K	Ravi Shankar . K
77	732224CS126	Nagaraj . M	M. Nagaraj
78	732224CS142	B. Parveen Selvam	Parveen
79	732224CS122	Parveen Mohideen	Parveen
80	732224CS107	Nagendran B	Nagendran
81	732224CS123	Mouleeshwaran . S	Mouleeshwaran
82	732224CS020	Balu P - S	Balu P - S
83	732224CS048	P.K. Dhayananth	P.K. Dhayananth
84	732224CS053	V. Eswar	V. Eswar
85	732224CS049	V. Philip	V. Philip
86	732224CS021	ANISH	ANISH

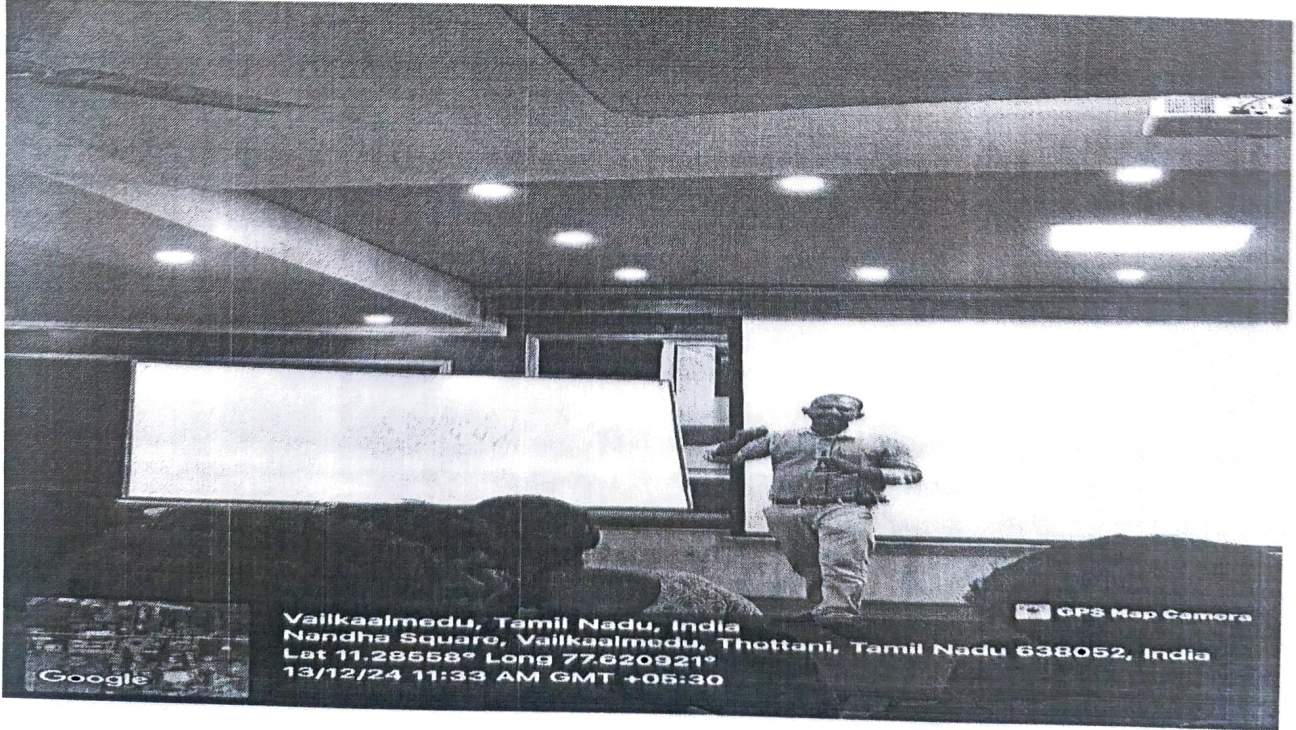
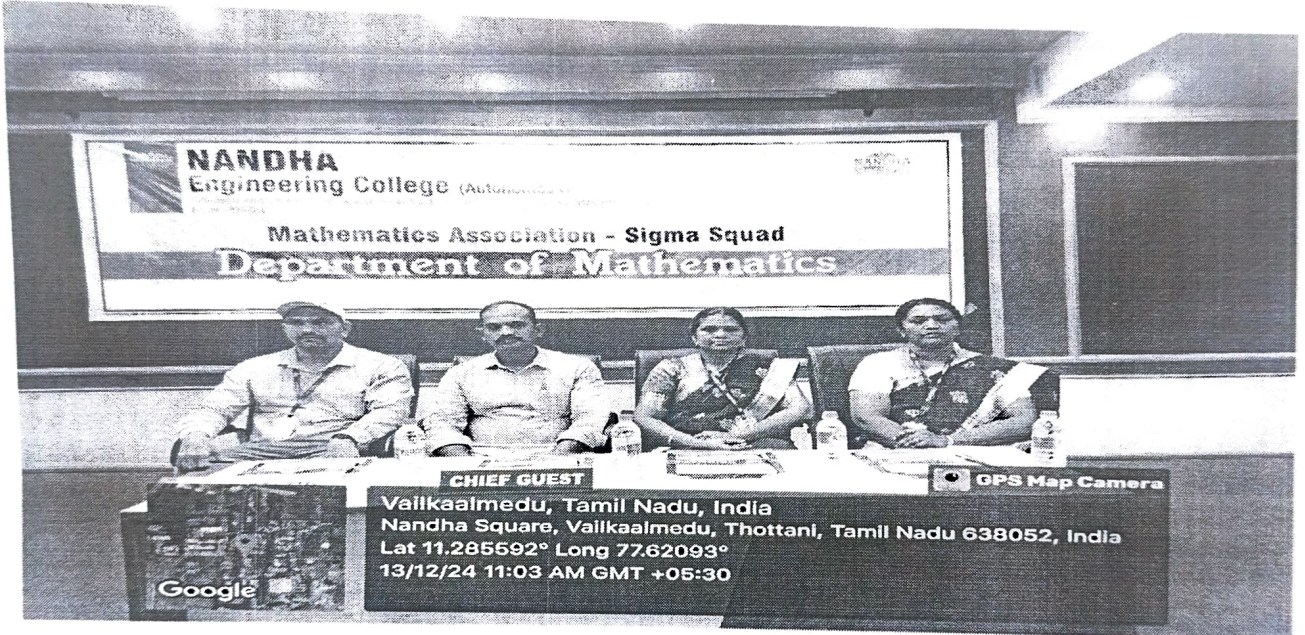
87	732224CS135	Nigil Sri Santh .T	Nigil Santh
88	732224CS155	Rajesh . S	Rajesh
89	732224CS153	Ragul . S	S. Ragul
90	732224CS119	MOHAMED IDREES .S	Mohamed
91	732224CS149	PRITHIV KRISHNA .S	PRITHIV KRISHNA
92	732224CS168	RUPA NARAYANAN .R	Rupa
93	732224CS147	P. Praveen . T	P. Praveen
94	732224CS146	PRADDEESH . M	M. Pradeesh
95	732224CS149	P. Praveen Kumar N.S	P. Praveen N.S
96	732224CS130	Nandkish . S	Nandkish . S
97	732224CS134	Navjoth V. Raghav	R
98	732224CS164	Rohith Kanna S.R.	Rohith Kanna S.R.
99	732224CS169	Sabarigudi . V	v. Sabarigudi
100	732224CS196	Sridhar . S	Sridhar . S
101	732224CS156	Rajkishore . P	Raj
102	732224CS120	Mohamed Suhail . S	Mohamed Suhail . S

103	732224CS137	NITHEESH S	
104	732224CS159	D. Ratheesh	
105	732224CS133	Navan Kumar. S	
106	732224CS154	Raja Yokeesh. M	
107	732224CS163	Rishigaanth. K	
108	732224CS132	NAVEEN KUMAR ME	
109	732224CS159	Raj U Kumar. A	
110	732224CS121	MOHAMMED ABHIF. A	
111	732224CS139	NITIN RAJA. C	
112	732224CS166	ROSHAND	
113	732224CS051	Eashwer. A	
114	732224CS006	Abijith R. K.	
115	732224CS015	Ajay. E	
116	732224CS016	Ajay. S	
117	732224CS047	Dhasan J	
118	732224CS026	Ashwath. A	



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GLIMPSES OF THE EVENT


Title of the Event: Bridging theory and practice: Mathematics as the Heart of Engineering





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POST EVENT REPORT

Department	MATHEMATICS	
Name of the event	MATHEMATICS CLUB INAUGURATION	
Title of the Event	Bridging theory and practice: Mathematics as the Heart of Engineering	
Date & Time	13.12.24	11.00 am to 1.00pm
Venue	Conference Hall	
Name of the Chief Guest	Dr.C.VEERAMANI	
Designation of the Chief Guest	ASSISTANT PROFESSOR	
Number of Participants	225	
Outcome	The use of mathematical models leads to innovative designs and improved products or processes.	
Mapped with PO and PSO	PO1 and PO2	
Related to SDG (Mention the relevant Goal)		
Feedback	The content was highly relevant to both academic and professional audiences, emphasizing the critical role of mathematics in real-world engineering applications. The discussions effectively illustrated how abstract mathematical principles are applied to solve complex engineering problems, making the theory more accessible and tangible.	

Event Coordinator

[Signature]
 14/12/24
 (C. SARANYA)

HOD

[Signature]
 14/12/24



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FEEDBACK FORM SAMPLE

Name of the Participant: *S. Harini / BE. CSE*

Course title : *Bridging theory and practice: Mathematics as the Heart of Engineering*

Dates of the program :
5 - Excellent 4 - Good 3 - Average 2 - Below average 1 - Poor

S.No	Parameter	Grading				
		5	4	3	2	1
Indicate the level of relevance according to your understanding about the						
1	How would you rate the new information learned?	-	✓			
2	Have you enjoyed this event?			✓		
3	How would you rate the quality of the materials?		✓	✓		
4	How would you rate the Speakers/Presentation Skills?		✓			
5	How would you rate the satisfaction about the event?		✓			
6	How would you rate the usefulness of this event to your Job?		✓			
7	How would you feel about Arrangements and Hospitality?			✓		
Any other suggestions for improvement:						

Signature of the Participant

S. Harini