



K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE (Autonomous)

**K.S.R Kalvi Nagar, Tiruchengode– 637 215
Namakkal Dt, Tamil Nadu, India**



Department of Mathematics

**Ramanujan Forum
SKILL DEVELOPMENT PROGRAM
Re - Searching Differential Equations – In a Newbie Perspective
Date: 11.10.2023**

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From

T. Rajendrakumar,
Head of the Department,
Department of Mathematics,
K.S. Rangasamy College of Arts and Science (Autonomous),
Tiruchengode.

To

The Principal,
K.S. Rangasamy College of Arts and Science (Autonomous),
Tiruchengode.


Respected sir,

The Department of Mathematics has planned to organize a Guest Lecture on **Re-Searching Differential Equations-In a Newbie Perspective** at A/C Gallery hall (KSRCAS) on 11.10.2022. In this connection I need an advance amount of Rs.3000 for the guest honorarium and other expenses. So I kindly request you to give me the permission to get an advance from our Department Association fund.

Thanking you.

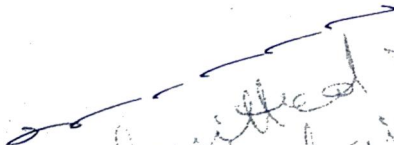

Yours Sincerely


(T. Rajendrakumar)


30/9/22

Place: Tiruchengode.

Date: 30.09.2022


Submitted to
Vice Chairman

30/9/22

K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

NAAC Re-accredited and an ISO 9001 : 2008 Certified Institution
(Affiliated to Periyar University, Salem. Included under 2(f) & 12(B) of UGC Act, 1956)

Tiruchengode - 637215

GUEST LECTURE ON RE- SEARCHING DIFFERENTIAL EQUATIONS



Lion. Dr. K.S. Rangasamy, MJF
Founder, Chairman
KSR Group of Institutions

11th October 2022



Dr. M. Prakash
Asst. Professor of Mathematics
KPR Institute of Engineering and Technology, Coimbatore.



Shri. R. Srinivasan
Vice-Chairman
KSR Group of Institutions

*You Cannot Open a Book
Without Learning Something*

Venue : A/C Gallery Hall

Time : 10.00 a.m.



Organised By

**Ramanujan Forum
Department of Mathematics**

Welcomes You All

K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

TIRUCHENGODE-637215.

DEPARTMENT OF MATHEMATICS

DEPARTMENT CIRCULAR

28.09.2022

From The Head, Department of Mathematics	To Mathematics Students
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Dear Students,

Sub: Guest Lecture-- Motivation to the Students -Intimation-Reg.

P.G. Department of Mathematics is planned to conduct a Guest Lecture on the topic "Re-searching Differential equations-In a Newbie Perspective "on 11.10.2022 at 9.30 AM in A/C Gallery Hall. Attend the program without fail.


HOD 28/09/22

Circulate To

1. II- M.Sc MATHEMATICS



2. I - M.Sc MATHEMATICS



3. III-B.Sc MATHEMATICS



4. II-B.Sc MATHEMATICS



5. I-B.Sc MATHEMATICS





Dr.M.Prakash

Assistant Professor (SL.G.) / Mathematics,
KPR Institute of Engineering and
Technology

Fluid Dynamics
Mathematical Modelling

	All	Since 2017
Citations	371	345
h-index	11	11
i10-index	13	12

0 articles 3 articles

not available available

Based on funding mandates

TITLE	CITED BY	YEAR
Evaluating the unsteady Casson nanofluid over a stretching sheet with solar thermal radiation: An optimal case study W Jamshed, M Goodarzi, M Prakash, KS Nisar, M Zakarya, AH Abdel-Aty Case Studies in Thermal Engineering 26, 101160	67	2021
Temperature dependent viscosity and thermal conductivity effects on hydromagnetic flow over a slendering stretching sheet SPA Devi, M Prakash Journal of the Nigerian Mathematical Society 34 (3), 318-330	56	2015
Temperature dependent viscosity and thermal conductivity effects on hydromagnetic flow over a slendering stretching sheet SP Anjali Devi, M Prakash J Niger Math Soc 34 (3), 318-330	28	2015
A novel case study of thermal and streamline analysis in a grooved enclosure filled with (Ag-MgO/Water) hybrid nanofluid: Galerkin FEM B Hiba, F Redouane, W Jamshed, CA Saleel, SSU Devi, M Prakash, ... Case Studies in Thermal Engineering 28, 101372	27	2021
Thermal radiation effects on hydromagnetic flow over a slendering stretching sheet S P AnjaliDevi, M Prakash Journal of the Brazilian Society of Mechanical Sciences and Engineering, DOI ...	27 *	2015
Slip flow effects over hydromagnetic forced convective flow over a slendering stretching sheet SP Anjali Devi, M Prakash Journal of Applied Fluid Mechanics 9 (2), 683-692	26	2016
Hydromagnetic hybrid Al ₂ O ₃ -Cu/water nanofluid flow over a slendering stretching sheet with prescribed surface temperature M Prakash, S Devi Asian Journal of Research in Social Sciences and Humanities 6 (9), 1921-1936	22	2016
Entropy amplified solitary phase relative probe on engine oil based hybrid nanofluid W Jamshed, M Prakash, SM Hussain, MR Eid, KS Nisar, T Muhammad Chinese Journal of Physics 77, 1654-1681	21	2022
Features of entropy optimization on viscous second grade nanofluid streamed with thermal radiation: A Tiwari and Das model VV WasimJamshed, S.Suriya Uma Devi, M.Prakash, S.R.Mishra, P.K.Pattnaik ... Case Studies in Thermal Engineering, 101291	18	2021

TITLE	CITED BY	YEAR
Thermal analysis on Darcy-Forchheimer swirling Casson hybrid nanofluid flow inside parallel plates in parabolic trough solar collector: An application to solar aircraft Faisal, Wasim, S Uma, Abederrah, M Prakash, A Mourad International Journal of Energy Research	17	2021
Steady nonlinear hydromagnetic flow over a stretching sheet with variable thickness and variable surface temperature SP Anjali Devi, M Prakash Journal of the Korean Society for Industrial and Applied Mathematics 18 (3 ...	13	2014
Galerkin finite element study for mixed convection (TiO ₂ -SiO ₂ /water) hybrid-nanofluidic flow in a triangular aperture heated beneath F Redouane, W Jamshed, S Suriya Uma Devi, M Prakash, KS Nisar, ... Scientific reports 11 (1), 1-15	11	2021
A brief comparative examination of tangent hyperbolic hybrid nanofluid through a extending surface: numerical Keller-Box scheme W Jamshed, M Prakash, S Devi, RW Ibrahim, F Shahzad, KS Nisar, ... Scientific Reports 11 (1), 1-32	10	2021
Irreversibility process characteristics of variant viscosity and conductivity on hybrid nanofluid flow through Poiseuille microchannel: A special case study M Fazle, J Wasim, Mishra, Nisar, Pattanaik, M Prakash, A Abdel-Haleem, ... Case Studies in Thermal Engineering, 101337	9	2021
Effect of a rotating cylinder on the 3D MHD mixed convection in a phase change material filled cubic enclosure W Al-Kouz, A Aissa, SSU Devi, M Prakash, L Kolsi, H Moria, W Jamshed, ... Sustainable Energy Technologies and Assessments 51, 101879	8	2022
Heat flow saturate of Ag/MgO-water hybrid nanofluid in heated trigonal enclosure with rotate cylindrical cavity by using Galerkin finite element F Redouane, W Jamshed, S Devi, M Prakash, NAAM Nasir, Z Hammouch, ... Scientific reports 12 (1), 1-20	8	2022
Raising thermal efficiency of solar water-pump using Oldroyd-B nanofluids' flow: An optimal thermal application F Shahzad, W Jamshed, SU Devi. S, R Safdar, M Prakash, RW Ibrahim, ... Energy Science & Engineering	2	2022
Influencing Al ₂ O ₃ - Cu in 20% water+ 80% EG hybrid nano coolant inflow on penetrable tensile surface F Mabood, SUD Sathyanarayanan, M Prakash, I Tlili Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 1-17	1	2020
Frequency Analysis for Functionally Graded Material Cylindrical Shells: A Significant Case Study MP Rabia A M Ghamkhar, M Imran, Rabia S.M. Zafar, Wasim J, Esra K A Mathematical Problems in Engineering 2021, Article ID 4843321		2021

TITLE

CITED BY

YEAR

Irreversibility intent triple diffusion stream over porous medium plate with
radiation and joule heating

2021

F Mabood, S Suriya Uma Devi, WA Khan, M Prakash, W Jamshed
Chemical Engineering Communications, 1-17

K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)
TIRUCHENGODE - 637215.
DEPARTMENT OF MATHEMATICS

Guest lecture on Re-searching Differential equations-In a Newbie Perspective

Participants List

S.No	Reg No	Name	Class	Signature
01	22UMA001	A. Dhanshana	I-BSc maths	A. Dhanshana
02	22UMA002	G. GOKUL	I-B.Sc Maths	G. Gokul
03	22UMA003	P. Haruharan	I. BSc Maths	P. Harin
04	22UMA004	J. Harinisi	I. BSc Maths	J. Harinisi
05	22UMA005	S. Palaniappan	I. B.Sc. maths	S. Palani
06	22UMA006	P. SOUNDHARYA	I. BSc. Maths	P. Soundharya
07	22UMA008	S. Srimathi	I. B.Sc. Maths	S. Srimathi
08	20UMA006	P. Manisha	III - BSc Maths	P. Manisha
09	20UMA008	P. Priyadharshini	III - BSc "	P. Priyadharshini
10	20UMA004	K. Hema	III - BSc "	K. Hema
11	20UMA012	T. Sowmiya	III - B.Sc "	T. Sowmiya
12	20UMA011	A. Soundharraj	III - B.Sc Maths	A. Soundharraj
13	20UMA002	N. DHANAPAL	III - B.Sc - Maths	N. Dhanapal
14	20UMA007	Nithish. M	III - B.Sc Mathematics	Nithish. M
15	20UMA005	Karthick. R	III - BSc Mathematics	R. beee.
16	20UMA010	SATHYA NARAYANAN ^M	III - BSc Mathematics	M. Sathya Narayan
17	20UMA003	DHANUSH. L	III - BSc Mathematics	Dhanush. L
18	20UMA013	SREENIVASAN. P.	III - BSc Mathematics	P. Sreenivasan

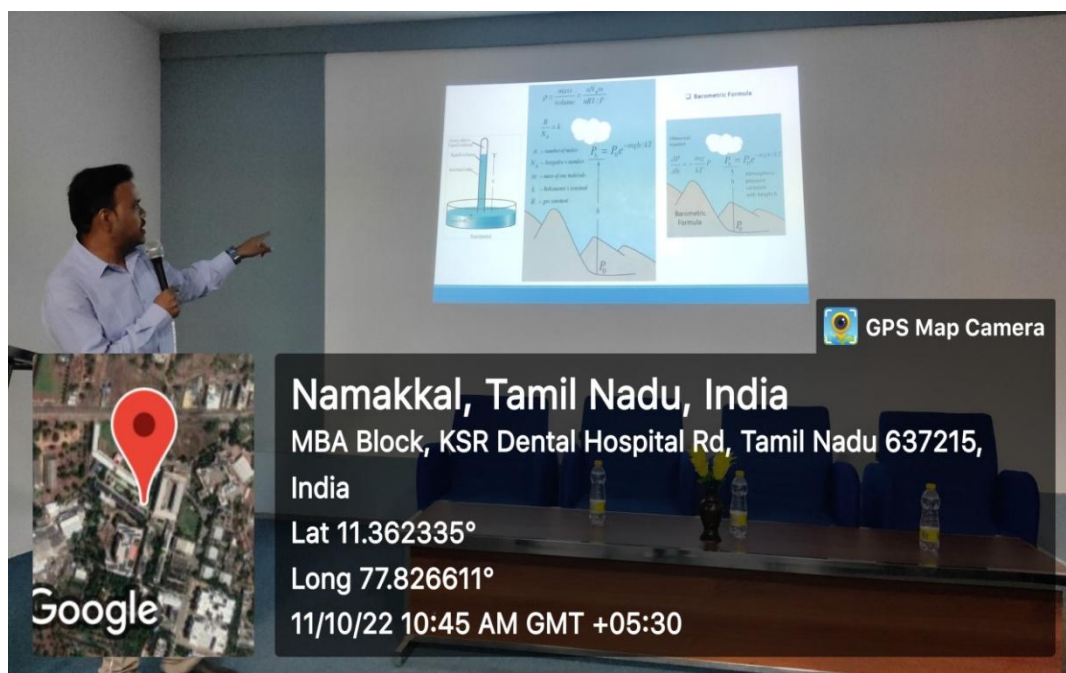
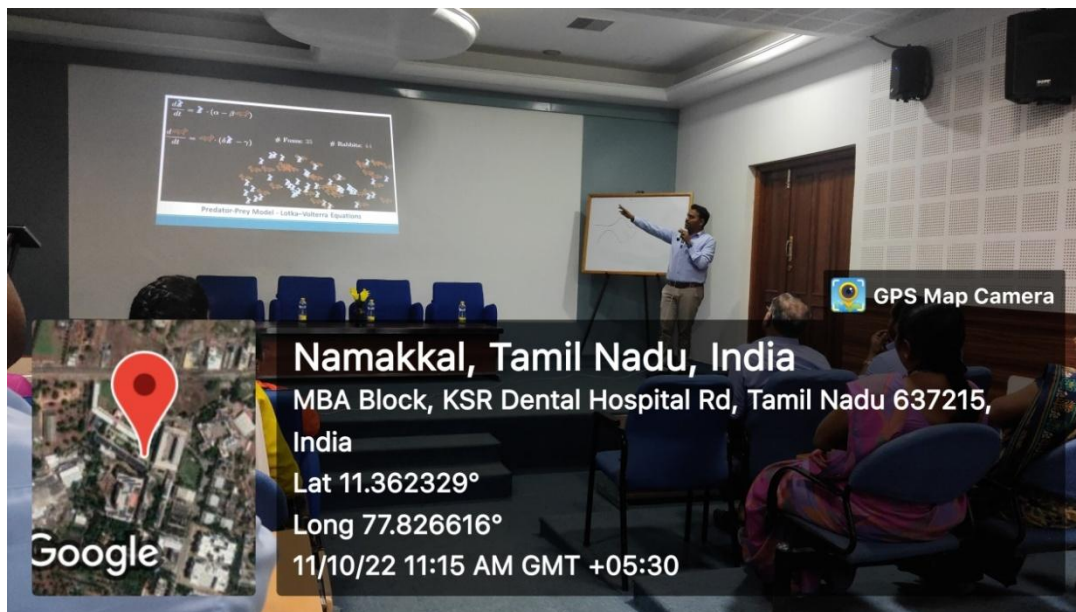
S.No	Reg No	Name	Class	Signature
19	PMA001	S. Archana	I-M.Sc.(Maths)	S. Archana
20	PMA002	K. Dhineshkumar	I-M.Sc.(Maths)	K. Dhinesh
21	PMA003	K.V. Jothika	I-M.Sc. Maths	K.V. Jothika
22	PMA004	R. Jyothika	I-M.Sc. Maths	R. Jyothika
23	PMA005	S. Kavina	I-M.Sc. Maths	S. Kavina
24	PMA006	G. Sowmiya	I-M.Sc Maths	G. Sowmiya
25	PMA007	C. SURETHA	I-M.Sc MATHS	C. Suretha
26	PMA	G. GOKULRAJ	I-M.Sc MATHS	G. Gokulraj
27	2IPMA001	K. Alinaya	II-M.Sc MATHS	K. Alinaya
28	2IPMA002	E. Deepan Basanth	II-M.Sc Maths	E. Deepan
29	2IPMA003	G. Gowthami	II-M.Sc Maths	G. Gowthami
28	2IPMA004	D. Muthu Basanth	II-M.Sc Maths	D. Muthu Basanth
29	2IPMA005	K.M. Naveen	II-M.Sc Maths	K.M. Naveen
30	2IPMA006	V. PRIYA	II-M.Sc MATHS	V. Priya
31	2IPMA007	R. Priyadharshini	II-M.Sc Maths	R. Priya
32	2IPMA008	M. Rubika	II-M.Sc Maths	M. Rubika
33	2IPMA009	K. Sri Megadevi	II-M.Sc Maths	K. Sri Megadevi
34	2IPMA010	M. Subash	II-M.Sc Maths	M. Subash

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DEPARTMENT OF MATHEMATICS

Guest Lecture on “Re-searching Differential equations-In a Newbie Perspective”

11.10.2022

PHOTO GALLERY



Resource person’s Presentation

K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode.

Department of Mathematics

Guest lecture on Re-searching Differential equations-In a Newbie Perspective

Date:11.10.2022

Report

Department of mathematics conducted Guest lecture on "Re-searching Differential equations-In a Newbie Perspective" for the benefits of our students. **Dr .M. Prakash M.Sc., MPhil, B.Ed., PhD,** Assistant Professor/Mathematics, Department of Science and Humanities, K.P.R Institute of Engineering and Technology, Coimbatore acted as a Resource Person.

The program started at 9.30 AM in A/C gallery Hall KSRCAS. Nearly 100 participants from our institution were benefited through this program.

The program mainly focused on 'To encourage the students to think in new way about the Differential Equations'. Also the Resource Person motivates the students to bloom into the research.

The guest lecture was really useful for our students and they gave the positive feedback about this program.


HOD