



Indian Academy of Sciences, Bengaluru
Indian National Science Academy, New Delhi
The National Academy of Sciences India, Prayagraj

SCIENCE ACADEMIES' EDUCATION PROGRAMME

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SEP/LW/October/2022

22 September 2022

JOINT SCIENCE EDUCATION PANEL

Indian Academy of Sciences

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The National Academy of Sciences, India, Prayagraj

Girija Jayaraman
Anirban Pathak
Suchitra Banerjee
Swapan K Ghosh

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Science Education Programme
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Email:

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Dr M Raju
Associate Professor
Dept. of Mathematics
Janson Inst. of Technology
Coimbatore 641 659

Sub: Lecture Workshop on "Differential Equations and their applications in Mathematical Modeling" at Janson Inst. of Technology, Coimbatore during 27-28 October 2022.

Dear Dr Raju,

This has reference to the letter forwarding a proposal and budget for organizing a two-day Lecture Workshop at Janson Inst. of Technology, Coimbatore. The Joint Science Education Panel of the three Academies will be happy to sponsor and support the Lecture Workshop. We note that Prof. P. Kandaswamy (Bharathiar University, Coimbatore) will be the workshop Convener and that you will be the Workshop Co-ordinator.

(a) Your budget of Rs. 1,48,500/- including travel expenses (Resource Persons travel expenses will be paid following the guidelines ie. 2-tier A/C for RPs below the age of 60; air fare for RPs aged above 60 yrs) for 150 participants has been approved by the Science Education Panel. As per the guidelines, the ideal number of participants in a Lecture Workshop should be between 100 and 125 and in any case should not exceed 150, to maximize interaction between participants and resource persons. Please note that you have to adhere to our guidelines and the approved amount is strictly following the budget heads in the guideline.

(b) Please note that only the names of Convener and Coordinator of the Workshop should be included in brochure/invitation etc. Names of members of the management, organizing committees, patrons etc should be strictly avoided.

(c) Please ensure that the expenditure on individual items does not exceed the sanctioned BUDGET HEAD. If the actual expenditure exceeds the sanctioned budget, THE HOST INSTITUTION SHOULD TAKE CARE OF THE DIFFERENCE.

(d) Lecture Workshops are sponsored and supported by the three National Science Academies - IASc, INSA and NASI. The names of INDIAN ACADEMY OF SCIENCES (BENGALURU), INDIAN NATIONAL SCIENCE ACADEMY (NEW DELHI) and THE NATIONAL ACADEMY OF SCIENCES, INDIA (PRAYAGRAJ) should therefore be mentioned in all publicity material such as programme sheet, invitation cards, etc.

(e) It may be noted that no formal certificates should be issued to participants. A letter of attendance signed by Coordinator may be issued to those who need it.

(f) The Workshop should be called Science Academies' Lecture Workshop on "Differential Equations and their applications in Mathematical Modeling".



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Dr. M. Raju
[Dr. M. RAJU]

(g) You should send us three copies of the printed programme cards once it is printed.

(h) We urge you to open a new bank account in the name of the lecture workshop or in the name of the principal and provide full details of the account:

1. Account No;
2. Name of the Account Holder;
3. Name of the Bank;
4. Name of the Branch;
5. IFS code for non-SBI accounts.

Alternatively, you can provide us the existing college bank account number to which we can transfer the amount.

The audited expenditure statement/utilization certificate duly signed by competent authority (CA or Financial Controller) in GFR 19 A format to be sent along with the report, once the Course is over. This is required for the Audit compliance.

You can go ahead with organizing the Workshop in consultation with Prof. P. Kandaswamy.

With regards,

Yours sincerely,



C S Ravi Kumar
Coordinator


Science Education Programme

Please find below a note about the 75th year of Indian independence (Azadi ka Amrut Mahotsav). We would like you to include this note in all the publication material about the workshop. You might even consider displaying this prominently at the venue.

The Science Academies have been supporting two/three-day lecture workshops and fifteen-day refresher courses on topics of current interest throughout the country. All the programmes conducted by the Joint Science Education Panel of the Academies are fully supported by the Department of Science and Technology, Gov. DST has undertaken a series of activities to mark 75 years of India's Independence (Azadi ka Amrut Mahotsav). The Mahotsav is a series of S&T programmes and events to be organised to commemorate the 75th anniversary of India's Independence. The curtain raiser activities began from 12 March, 75 weeks prior to 15 August 2022. The lecture workshops/refresher courses are part of the series in these programmes. The Academy will also organize periodic lectures by eminent scientists. These programs will be adequately expanded in the celebration of the 75 years of Indian Independence.


[Dr. M. RASU]




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SCIENCE ACADEMIES' LECTURE WORKSHOP ON "DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS IN MATHEMATICAL MODELING"



October 27 & 28, 2022

Sponsored by



Indian Academy
of Sciences
Bengaluru.



Indian National
Science Academy
New Delhi.



The National
Academy of Sciences India
Prayagraj.

ABOUT THE COLLEGE

Jansons Institute of Technology (JIT) is a NAAC accredited, ISO certified world class Engineering College having a vision of being in the forefront of technical education and research worldwide. JIT is the second venture of the Jansons foundation in the field of education. JIT offers bachelor's degree programmes in Mechanical Engineering, Civil Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering and Artificial Intelligence and Data Science in its most modern state of the art campus located 25 km away from Coimbatore on the Coimbatore-Chennai National Highway in Tamil Nadu. JIT has been promoted by the Jansons Business Group, a textile major with significant presence in granites and health care. JIT is approved by All India Council for Technical Education (AICTE) and Government of Tamil Nadu and is affiliated to Anna University, Chennai.

JIT, guided by its motto, "The Most Preferred Destination for Technical Education", takes every effort to create infinite opportunities to the students for their professional development. What sets apart, JIT is its world class infrastructure coupled with the best teaching practices of its highly qualified and experienced faculty. JIT has been organizing National level Workshops and Seminars sponsored by CSIR, ICMR, INSA and NBHM. Also, JIT receives several funded projects from various funding agencies such as AICTE, DST, and TNSCST.

RESOURCE PERSONS

1. Prof. Dr. P. Kandaswamy, F.N.A.Sc., Bharathiar University, Coimbatore
2. Prof. Dr. M. Lakshmanan, F.N.A., FTWAS, Bharathidasan University, Tiruchirapalli
3. Prof. Dr. Satyajit Roy, F.N.A.Sc., Indian Institute of Technology Madras, Chennai
4. Prof. Dr. S. Saravanan, Bharathiar University, Coimbatore

WHO CAN APPLY?

Faculty members, Research Scholars, Post Graduate and Under Graduate Students in the fields of Mathematics, Physical Science and Engineering's are welcome to participate in the workshop. The participants will be provided with workshop kit, working lunch and refreshments during the workshop. The scanned copy of registration form has to be sent to the workshop coordinator on or before 21.10.2022 either by email or through Google form link (<https://forms.gle/3A35XTcDqM9D91SD8>). The Selected candidates will be informed through e-mail. The original registration form has to be submitted to the workshop coordinator on 27.10.2022.

ABOUT THE DEPARTMENT

The department of Science and Humanities comprises of four major disciplines such as Mathematics, Physics, Chemistry and English. The pivotal focus is to provide pedestal in basic sciences that acts as a foundation for engineering subjects. The department has well equipped laboratories for catering the academic needs as well as academic research interest of young minds. The department has highly qualified and well experienced faculty members with 11 Doctorates in the research area of Adsorption Science, Applied Mathematics, Astronomy, Difference Equations, Differential Equations, English Language Teaching (ELT), Fluid Dynamics, Fuzzy Sets, Graph Theory, Inorganic Complexes, Nanomaterial Synthesis, Non-linear Dynamics, Organic Synthesis, Photovoltaic Cell, Queuing Theory, Solid Waste Management and Topology.

THEME OF WORKSHOP

Mathematical modeling plays an important role in all fields of our daily essentials like Medicine, Engineering, Economics, Commerce, Transportation and Agriculture. The workshop focuses on a mathematical model for human immunology, optimizing both cooling and heating of electronic equipment, non-linear dynamics; Bifurcations & Chaos, Integrability & Solitons, Non-uniform mass transfer in internal and external flow problems, Finite volume method for fluid problems, Linearization techniques for non-linear differential equations and will be a platform for the Students, Research Scholars and Faculties to enrich their knowledge in the field of Differential Equations and Mathematical Modeling. They will be able to understand the recent developments in theory and applications of differential equations in mathematical modeling.

REGISTRATION FREE

Convener

Prof. Dr. P. Kandaswamy, F. N. A. Sc.,
Department of Mathematics,
Bharathiar University,
Coimbatore - 641 046
Email: pgkswamy@yahoo.co.in

Workshop Coordinator

Dr. M. Raju
Associate Professor,
Department of Mathematics,
Jansons Institute of Technology
Coimbatore - 641 659
Email: raju.m@jit.ac.in, Mobile: + 91 96003 97157

Organized by

DEPARTMENT OF MATHEMATICS - SCIENCE AND HUMANITIES

JANSONS INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Accredited by NAAC & An ISO 9001 : 2015 Certified Institution

Coimbatore, Tamil Nadu - 641 659

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Registration Form
Download



Registration Link



SCIENCE ACADEMIES' LECTURE WORKSHOP ON
DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS IN MATHEMATICAL MODELING

PROGRAMME SCHEDULE

Day:1 (Date: 27-10-2022)

Registration: 08.30 a.m. – 09.30 a.m

Session	Title of the Talk	Keynote Speaker
Session I 09.30 a.m. - 10.00 a.m.	Inauguration & Keynote Address	Prof. Dr. P. Kandaswamy, <i>F.N.A.Sc.</i>
10.00 a.m. - 11.15 a.m.	Mathematical Model for Human Immunology	
Tea Break: 11.15 a.m. - 11.45 a.m.		
Session II 11.45 a.m. - 01.00 p.m.	Finite Volume Method for Fluid Flow Problems - I	Prof. Dr. S. Saravanan
Lunch Break: 01.00 p.m. - 02.00 p.m.		
Session III 02.00 p.m. - 03.15 p.m.	Finite Volume Method for Fluid Flow Problems - II	Prof. Dr. S. Saravanan
Tea Break: 03.15 p.m. – 03.45 p.m.		
Session IV 03.45 p.m. - 05.00 p.m.	Nonlinear Dynamics: Bifurcations & Chaos	Prof. Dr. M. Lakshmanan, <i>F.N.A.Sc.</i> , <i>F.A.Sc., FNA, FTWAS</i>



Dr. M. RAJU


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Day:2 (Date: 28-10-2022)

Session	Title of the Talk	Keynote Speaker
Session V 09.15 a.m. - 10.30 a.m.	Nonlinear Dynamics: Integrability & Solitons	Prof. Dr. M. Lakshmanan, <i>F.N.A.Sc., F.A.Sc., FNA, FTWAS</i>
Tea Break: 10.30 a.m. - 10.45 a.m.		
Session VI 10.45 a.m. - 12.00 noon	Linearization Techniques for Non-linear Differential Equations	Prof. Dr. Satyajit Roy, <i>F.N.A.Sc.</i>
Lunch Break: 12.00 noon - 01.00 p.m.		
Session VII 01.00 p.m. - 02.15 p.m.	Non-uniform Mass transfer in Internal flow problems and External flow problems	Prof. Dr. Satyajit Roy, <i>F.N.A.Sc.</i>
Tea Break: 02.15 p.m. - 02.30 p.m.		
Session VIII 02.30 p.m. - 03.45 p.m.	Mathematical Model for Cooling of Electronics Equipment	Prof. Dr. P. Kandaswamy, <i>F.N.A.Sc.</i>

Valedictory Function: 03.45 p.m. - 04.15 p.m.



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List of Resource Persons

Name and Address of Resource Persons

Name : Prof. Dr. P. Kandaswamy

Qualification : Ph.D., F.N.A.Sc.

Address : Professor & Former Head (Rtd.)
Department of Mathematics
Bharathiar University
Coimbatore – 641046,
Tamil Nadu, INDIA

Mobile No. : +91 9486926183

E-mail Address : pekswamy@yahoo.co.in



Name : Prof. Dr. M. Lakshmanan

Qualification : Ph.D., F.N.A.Sc., F.A.Sc., FNA, FTWAS

Address : Professor of Eminence &
DST-SERB Distinguished Fellow
Centre for Nonlinear Dynamics
School of Physics
Bharathidasan University
Tiruchirapalli - 620 024
Tamil Nadu, INDIA

Mobile No. : +91 9940823079

E-mail Address : lakshman.cnld@gmail.com



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Name : Prof. Dr. Satyajit Roy
Qualification : Ph.D., F.N.A.Sc.
Address : Professor of Mathematics
Department of Mathematics
Indian Institute of Technology Madras
Chennai- 36, Tamil Nadu, INDIA
Mobile No. : +91 9444636946
E-mail Address : sjroy@iitm.ac.in



Name : Prof. Dr. S. Saravanan
Qualification : Ph.D.
Address : Professor & Head
Department of Mathematics
Bharathiar University
Coimbatore – 641046,
Tamil Nadu, INDIA
Mobile No. : +91 9442637257
E-mail Address : sshravan@buc.edu.in



Report of the workshop

“Differential Equations and their Applications in Mathematical Modelling”

Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi, The National Academy of Sciences India, Allahabad, in the association with Jansons Institute of Technology, Coimbatore had successfully completed the two days Science Academies Lecture Workshop on “Differential Equations and their Applications in Mathematical Modelling” in different emerging areas of mathematical sciences for under graduate, post graduate, research scholar and faculty members. The



S. Saravanan
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delegates from under graduate, post graduate, research scholar and faculty members had participated the workshop. The workshop is organized for two days including of 8 sessions. The workshop was started at 9:30 a.m. on 27-10-2022 with prayer song and followed by lighting of lamp, Dr. B. Senthilnathan, Head of the Department, Department of Mathematics welcomed the gathering, Dr. M. Raju, Workshop Coordinator spoke about the importance of the workshop, Dr. M. V. Sureshkumar, Director-Administration, felicitates the workshop, Dr. S. Elangovan, Vice Principal given a memento to chief guest. Program was inaugurated by Chief Guest and Convener of the workshop Prof. Dr. P. Kandaswamy. He spoke about the importance of basic science and he motivated the students to become good researchers and coordinator had given a brief introduction about the academic science workshop program. After the inauguration ceremony, the first session starts from 10.00 a.m. - 11.15 a.m., which is led by Prof. Dr. P. Kandaswamy, he discusses in his session about the formulations of social problems in terms of differential equations. The second session has started after the morning refreshment (from 11.15 a.m. to 11.45 a.m.) the second session (from 11:45 a.m. to 01:00 p.m.) which is led by Prof. Dr. S. Saravanan, he focuses on the solutions of two dimensional and three dimensional fluid flow problems in finite volume methods. From 01.00 p.m. to 02.00 p.m. lunch break for the participants. Third session starts by 02.00 p.m. and it is continued by Prof. Dr. S. Saravanan. After the evening refreshment (from 03.15 p.m. - 03.45 p.m.) the fourth session begins at 03.45 p.m. which is led by Prof. Dr. M. Lakshmanan, he discusses about the Nonlinear Dynamics: Bifurcations & Chaos. On Day - 2, 28-10-2022, session 5 begins at 09.15 a.m., continued by Prof. Dr. M. Lakshmanan, he discusses about the Nonlinear Dynamics: Integrability & Solitons. After the morning refreshment (from 10.30 a.m. to 10.45 a.m.) the 6th session begins at 10.45 a.m. which is led by Prof. Dr. Satyajit Roy, who has explored his ideas on Linearization Techniques for Non-linear Differential Equations. After lunch break (from 12.00 noon to 01.00 p.m.) the 7th session begins at 01.00 p.m. and it is continued by Prof. Dr. Satyajit Roy, he discusses about Non-uniform Mass transfer in internal flow problems and external flow problems. After the evening refreshment (from 02.15 p.m. to 02.30 p.m.) the 8th session begins at 02.30 p.m. by Prof. Dr. P. Kandaswamy, he discusses some Mathematical Models for Cooling of Electronics Equipment. The two day workshop is concluded by a formal valediction from 03.45 p.m. to 04.15 p.m.. A letter of Attendance was distributed to all the



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participants. In the concluding session the feedbacks were given by student delegates. They told that the program was helpful to them to learn recent inventions in differential equations and mathematical modelling, and all the speakers motivated them to learn lot of things in differential equations and mathematical modelling. Amlan Kanti Halder, Research Scholar of Pondicherry University expressed in his feedback that the organization in all was very fantastic including resource persons, lectures, hospitality, lunch, breakfast etc. He also expressed the overall impact of this workshop will be benifitable in future. Also students from other institutes give very positive feedback. All the resource persons were highly impressive and interactive for the students. Organizing convener Prof. Dr. P. Kandaswamy, in his concluding remarks focused on the works of Science Academy's and had explained the role of Academy's motivation to the young generation towards the different aspects of pure and applied mathematics. The two day program highlighted the basic aspects in mathematical modelling with recent on-going research in the field. The workshop has been a very helpful for our young generations to learn the scientific achievements and to increase the scientific temper in the students. A total of 160 delegates attended the workshop, which includes 21 faculty members, 13 research scholars, 31 under graduate students and 95 post graduate students. The delegates came from different colleges in and around Tamil Nadu, namely, Chikkanna Government Arts College, Tiruppur, Dr, N.G.P. Arts and Science College, Coimbatore, Erode Arts And Science College, Erode, Gobi Arts and Science College, Erode, K.S.Rangasamy College of Arts and Science, Tiruchengode, KGISL Institute of Technology, Coimbatore, Kongunadu Arts And Science College, Coimbatore, L.R.G. Government College for Women, Tiruppur, Micheal Job College of Arts and Science for Women, Coimbatore, Nallamuthu Gounder Mahalingam College, Pollachi, Nandha Arts And Science College, Erode, Nehru Institute of Engineering and Technology, Coimbatore, Pondicherry University, Puducherry, PSG College of Arts & Science, Coimbatore, PSGR Krishnammal College for Women, Coimbatore, Puratchi Thalaivi Anna Government Arts and Science College, Palladam, RVS College of Engineering and Technology, Coimbatore, RVS Technical Campus, Coimbatore, Sankara Polytechnic College, Coimbatore, Sengunthat Engineering College, Tiruchengode, Sree Saraswathi Thyagaraja College, Pollachi, Sri Ramakrishna College of Arts and Science, Coimbatore, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, Texcity Arts and Science College, Coimbatore, Vivekananda



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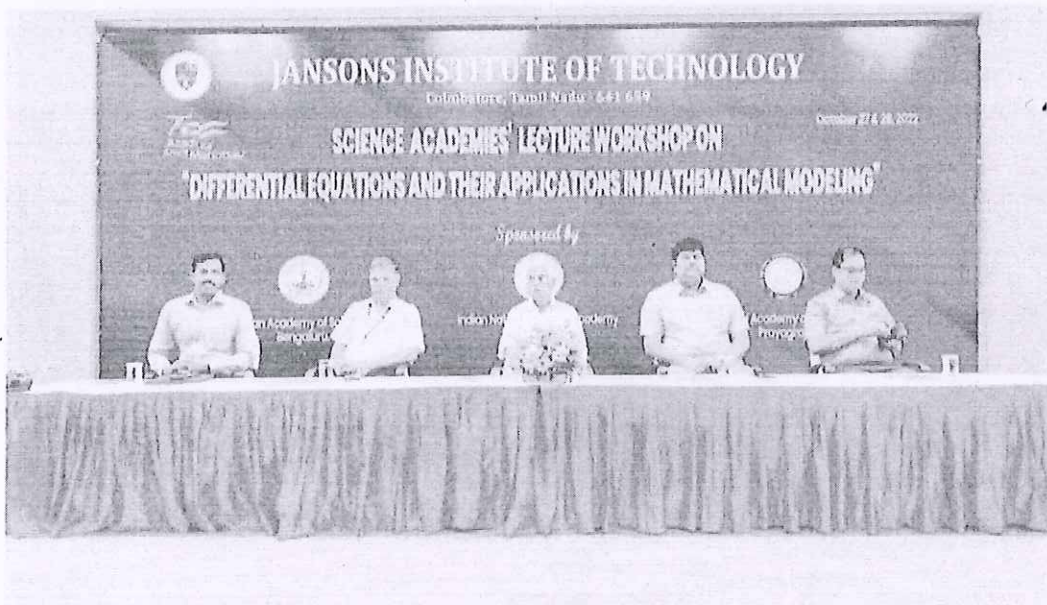

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College, Madurai with our host institute. 37% of the students are from local Coimbatore-city colleges and 63% from rural village colleges (in and around Coimbatore). By conducting this program many of the students are delighted that they have got a bit of awareness about scientific research and inspired to take their career as a scientist in the future life. Principal, Coordinator, Staff and Management of Jansons Institute of Technology, Coimbatore are very thankful to all the three Science Academies for the support through their sponsorship to the Science workshop and we hope you will be supporting us in future to conduct such type of useful and encouraging workshops to inspire the students of rural areas.

PHOTO GALARY:

Day -1 (27-10-2022):

Session I (09.30 a.m. - 10.00 a.m.) - Inauguration & Keynote Address:



From the Left: Dr. M. Raju, Workshop coordinator & Associate Professor, Prof. Dr. S. Elangovan, Vice Principal, Prof. Dr. P. Kandaswamy, Workshop convener, Prof. Dr. M. V. Sureshkumar, Director-Administration, Prof. Dr. B. Senthilnathan, Head of the Department, Department of Mathematics



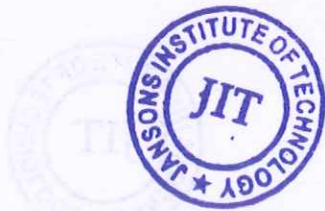
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Session I (10.00 a.m. - 11.15 a.m.) - Mathematical Model for Human Immunology – led by Prof. Dr. P. Kandaswamy:



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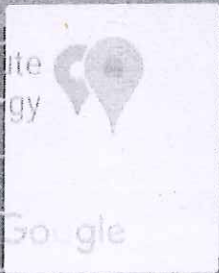
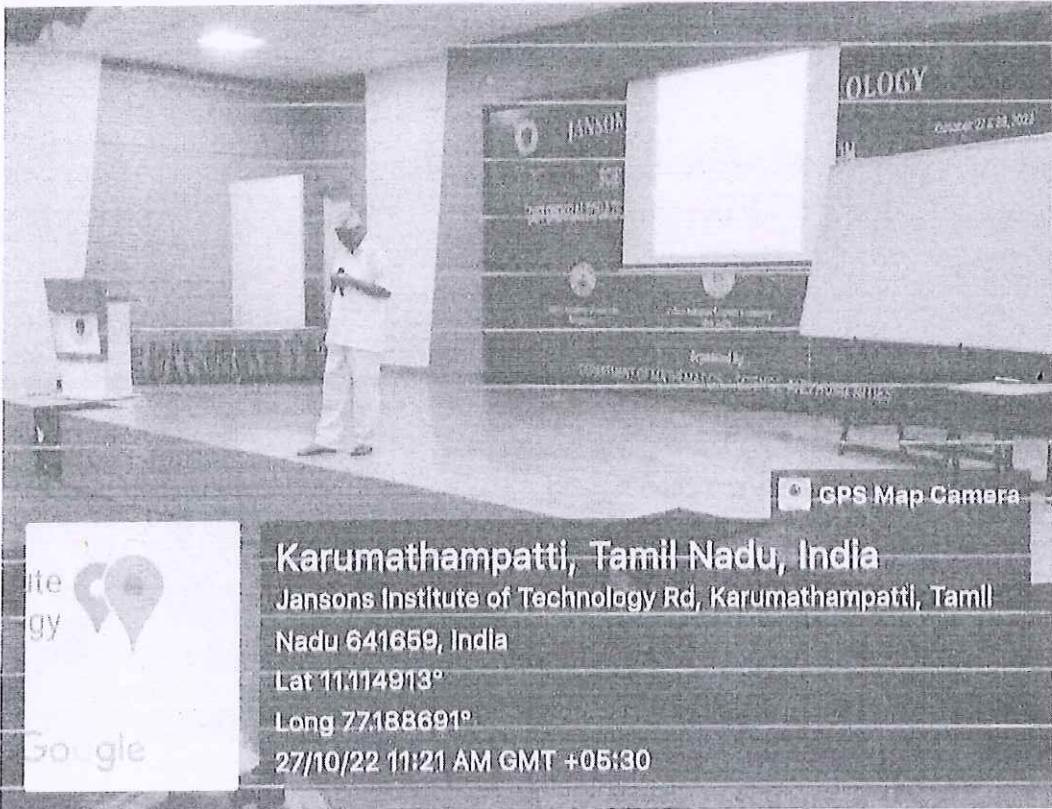
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 Long 77.188691°
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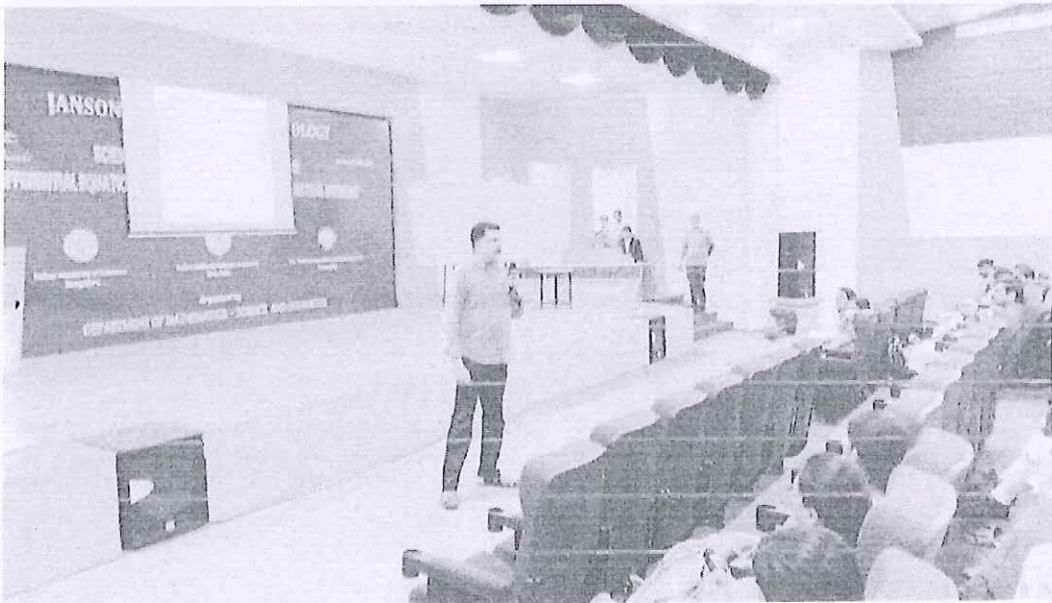
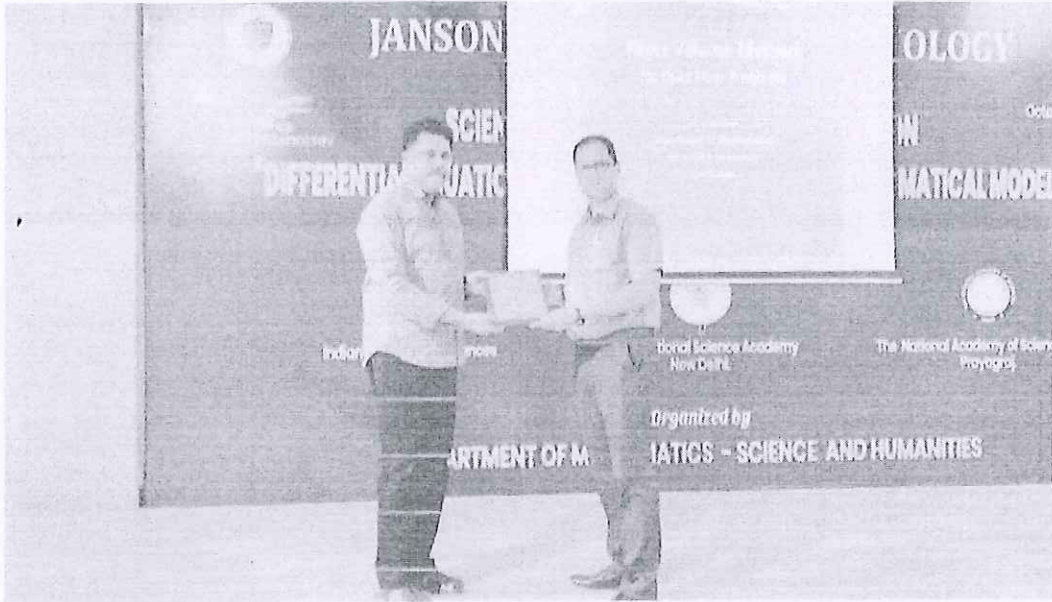


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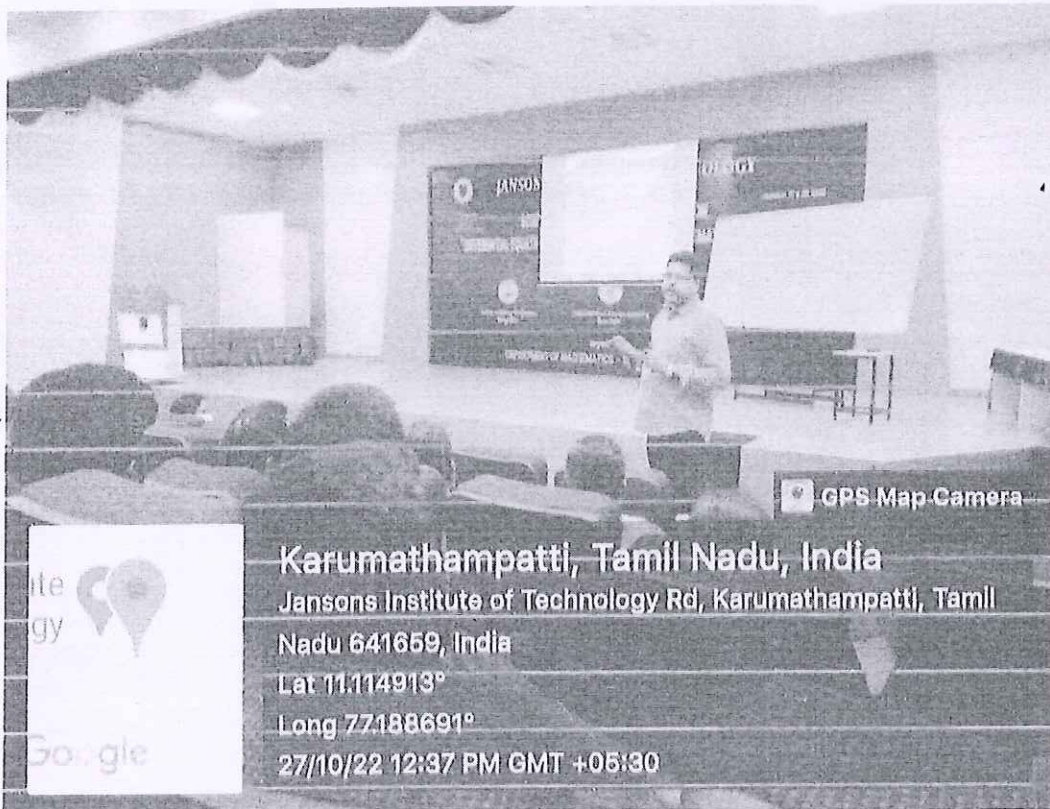
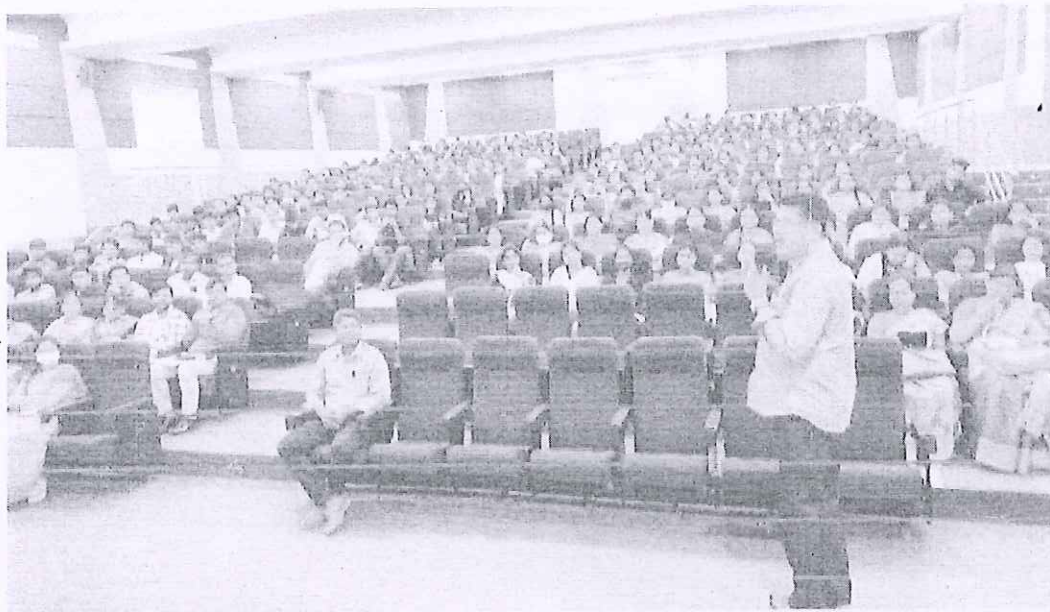
Session II (11.45 a.m. - 01.00 p.m.) - Finite Volume Method for Fluid Flow Problems –
led by Prof. Dr. S. Saravanan:



S. Saravanan
[Dr. M. R. ADU]



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Session III (02.00 p.m. - 03.15 p.m.) – Continued. Finite Volume Method for Fluid Flow Problems – led by Prof. Dr. S. Saravanan;



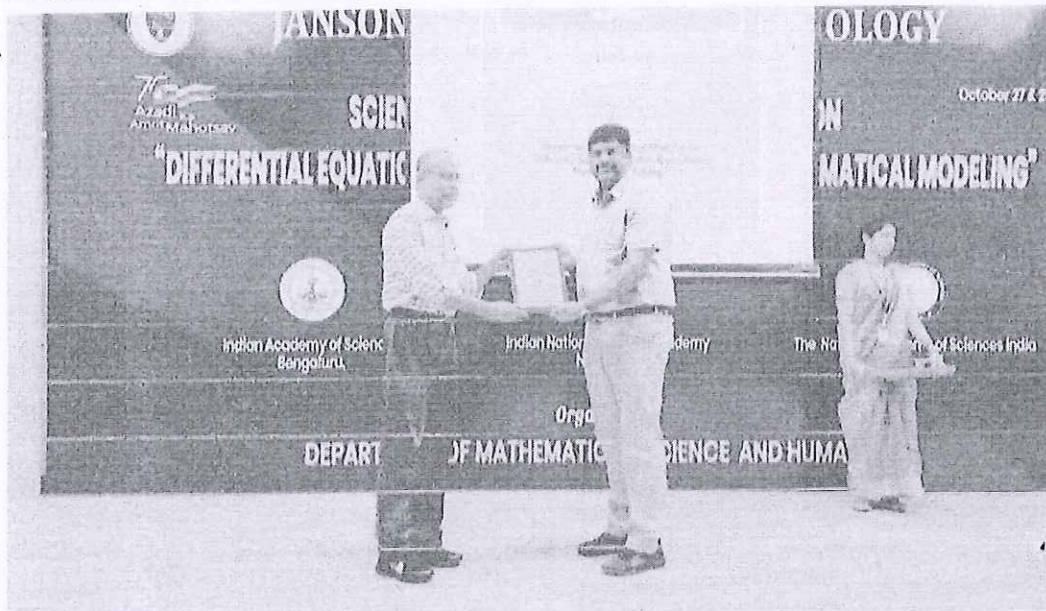
S. Saravanan
[Dr. M. RASU]

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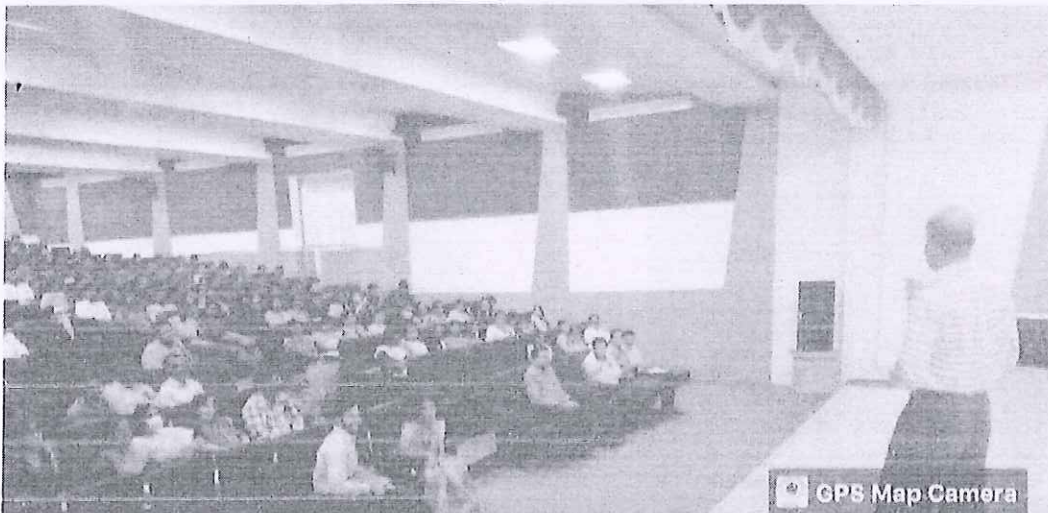
Session IV (03.45 p.m. - 05.00 p.m.) - Nonlinear Dynamics: Bifurcations & Chaos – Led by Prof. Dr. M. Lakshmanan:



M. Rajan
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GPS Map Camera



Karumathampatti, Tamil Nadu, India

Jansons Institute of Technology Rd, Karumathampatti, Tamil Nadu 641669, India

Lat 11.114913°

Long 77.188691°

27/10/22 03:36 PM GMT +05:30



Dr. Ravi
[Dr. Ravi RASU]

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Day:2 (Date: 28-10-2022):

Session V (09.15 a.m. - 10.30 a.m.) - Nonlinear Dynamics: Integrability & Solitons –
 Led by Prof. Dr. M. Lakshmanan;



M. Durais
 [Dr. M. RAJU]



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Session VI (10.45 a.m. - 12.00 noon) - Linearization Techniques for Non-linear Differential Equations – Led by Prof. Dr. Satyajit Roy:



Dr. Rajin
[Dr. M. RASU]



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Session VII (01.00 p.m. - 02.15 p.m.) - Non-uniform Mass transfer in Internal flow problems and External flow problems - Led by Prof. Dr. Satyajit Roy:



Dr. Rajin
[Dr. M. RAJU]



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Session VIII (02.30 p.m. - 03.45 p.m.) - Mathematical Model for Cooling of Electronics

Equipment – Led by Prof. Dr. P. Kandaswamy;



Dr. P. Kandaswamy
[Dr. P. KANDASWAMY]



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Valedictory Function: 03.45 p.m. - 04.15 p.m.



Dr. M. Rajin
[Dr. M. Rajin]

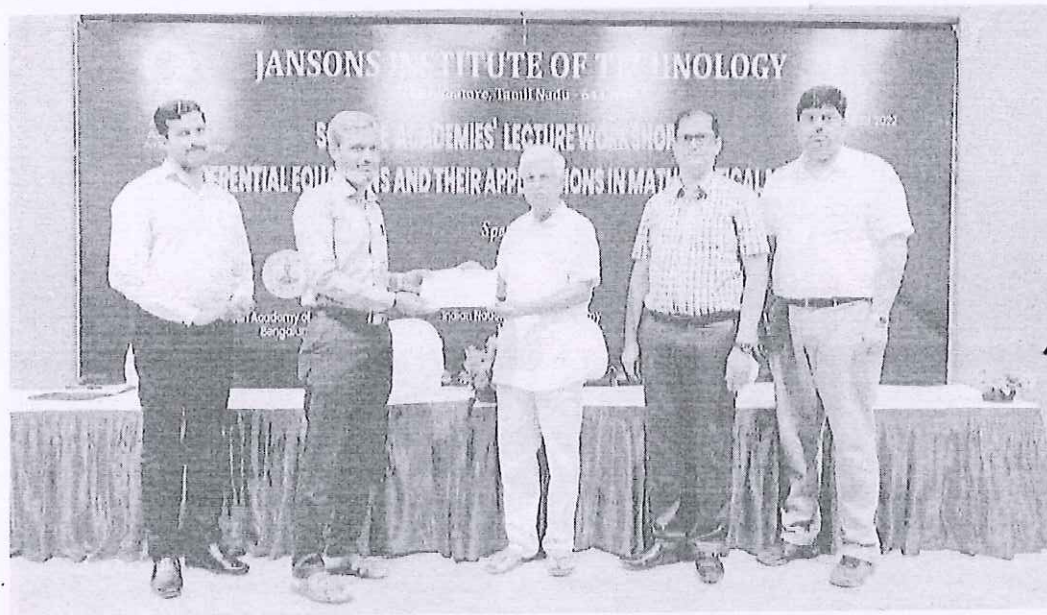
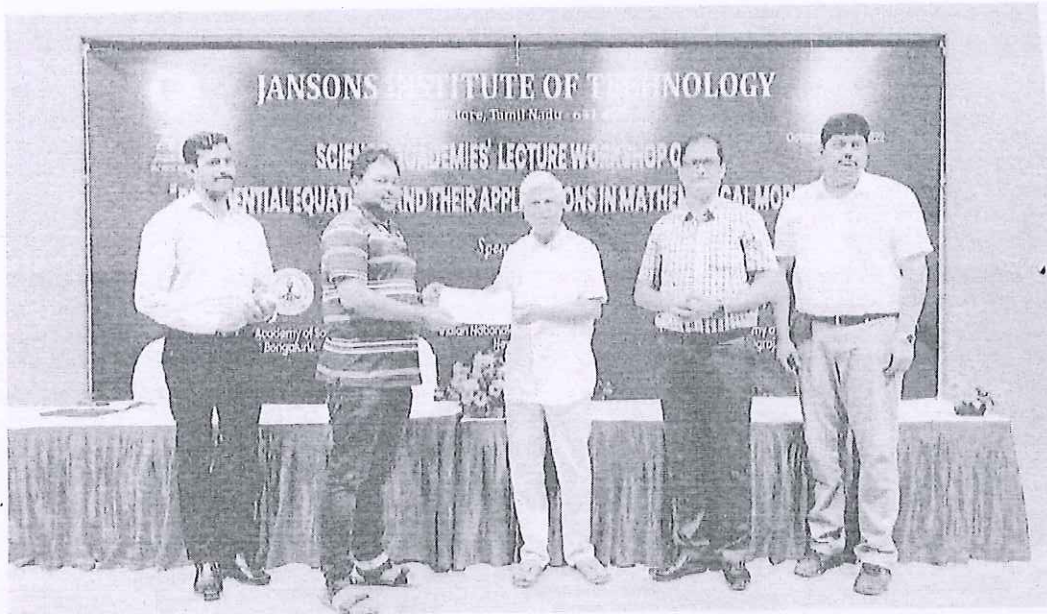
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Dr. M. Raju
 (Dr. M. RAJU)



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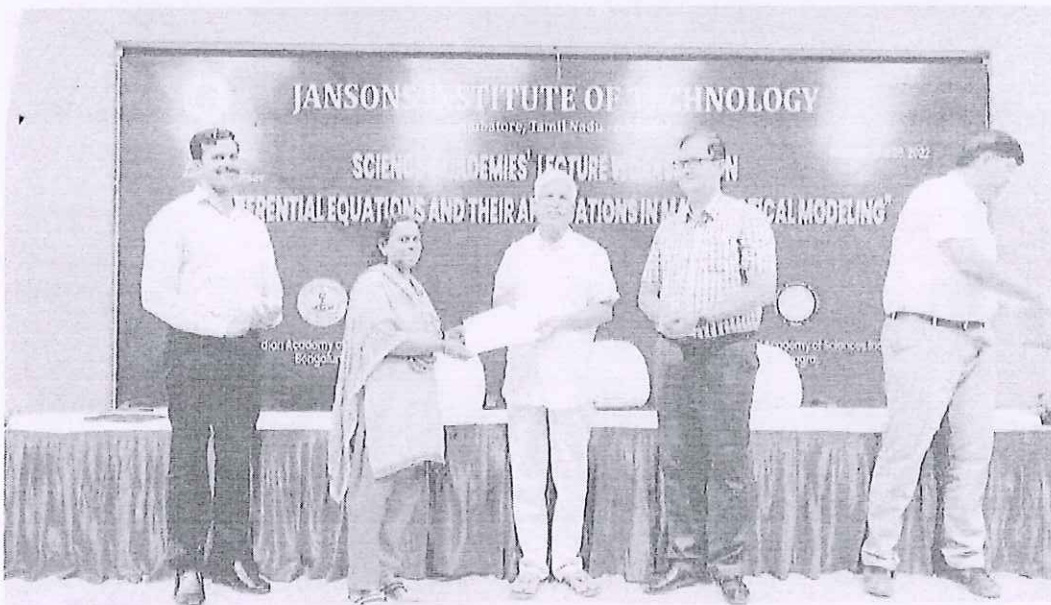
Dr. Rajin
[Dr. M. RAJU]



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Dr. Rajin
 [Dr. M. RAJU]
 Workshop coordinator



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SCIENCE ACADEMIES' LECTURE WORKSHOP ON DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS IN MATHEMATICAL MODELING

October 27 & 28, 2022



Sponsored by



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Bengaluru



Indian National Science Academy
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Organized by



Department of Mathematics - Science and Humanities
Jansons Institute of Technology
Coimbatore - 641 659, Tamil Nadu, India.

Venue: SIVAGANGA AUDITORIUM.

Attendance Sheet

S.No.	Name of the Participant	Designation	Name of the Institution	Signarure of the Participant	
				27-10-2022	28-10-2022
1.	JULIE.K	student	Coimbatore Institute of Technology	<i>Julie</i>	<i>Julie</i>
2.	KAVIYA.K	student	Coimbatore Institute of Technology	<i>K.Kaviya</i>	<i>K.Kaviya</i>
3.	K.Dhaxani	student (PG)	Dr.N.G.P Arts and science college	<i>K.Dhaxani</i>	<i>K.Dhaxani</i>
4.	Sivaranjani.S	Student (PG)	Dr.N.G.P. Arts and science college	<i>S.R.S.</i>	<i>S.R.S.</i>
5.	BASKARAN.S	Research Scholar	Dr.N.G.P. Arts and science college	<i>B.Baskaran</i>	<i>B.Baskaran</i>
6.	DIVYA.S	Research Scholar	Dr.N.G.P. Arts and science college	<i>S.Divya</i>	<i>S.Divya</i>
7.	SINDHU.R	Research Scholar	Dr.N.G.P. Arts and science college	<i>R.Sindhu</i>	<i>R.Sindhu</i>
8.	DHAMODHARASAMP P.	UG-Student	PRAGASC Palleadam	<i>P.Dhamodharasamp</i>	<i>P.Dhamodharasamp</i>



Dr. M. RAJU
[Dr. M. RAJU]

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				27-10-2022	28-10-2022
9	S. NAVEEN KUMAR	student maths	sree sowswathi Thyagaraja college, cbe	S. Naveen Kumar	S. Naveen Kumar
10	R. NAVEEN KUMAR	Student Mathematics	Sree Sowswathi Thyagaraja college, cbe	R. Naveen	R. Naveen
11	K.N. ABHYUREKHA	Asst professor of Mathematics	Sree Sowswathi Thyagaraja College, cbe	K.N. Abhyurekha	K.N. Abhyurekha
12	P. DARANI	Student Maths	Michael Job College of Arts & Science	Darani	P. Darani
13	S. GAYATHI	student maths	Michael Job college of Arts & Science for women	Gan	Gan
14	M. MEHANAPRIYA	Assistant Prof	Michael Job college of Arts & Science for women	M. Mehanapriya	M. Mehanapriya
15	M. BUVANASANKARI	Assistant Professor	Nehru Institute of Engineering & Technology	M. Buvanasa	M. Buvanasa
16	S.P. JOTHIPRAKASH	Assistant Professor	Nehru Institute of Engineering & Technology	S.P. Jothi	S.P. Jothi
17	DR. A. ROHINI	Assistant professor	KJ Somaiya Institute of Technology	A. Rohini	A. Rohini
18	DR. G. SANGEETHA	Assistant professor	KJ Somaiya Institute of Technology	G. Sangeetha	G. Sangeetha
19	DR. S. KALEESWARI	AP	NGM college	S. Kal	S. Kal
20	J. Gowd	Research scholar	NGM college	J. Gowd	J. Gowd
21	S. Rangasri	Research scholar	NGM college	S. Rangasri	S. Rangasri
22	M. HARISHNAA	Student (Maths)	Sri Ramakrishna college of Arts & Science	M. Harishna	M. Harishna
23	M. ANUSHRAM	Student (Maths)	"	M. Anu	M. Anu
24	V. Nishetha	Student (Maths)	"	Nishetha V	Nishetha V
25	AARTHI. A	student (maths)	"	Arthi A	Arthi A
26	ATCHAYA. N	student (Maths)	L.R.G Govt Arts college for women	N. Arthi	N. Arthi
27	Sowtharika. c	Student (maths)	L.R.G Govt Arts college for women	S. Arthi	S. Arthi



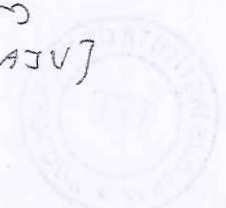
Dr. Rajiv
[Dr. M. RAJU]

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				27-10-2022	28-10-2022
28	K. SADIK RASHA	Asst Prof	Tercity Arts & science college		
29	S. KAMMALI ABDHAMMAD BATHRI	BSC CS	Tercity Arts & science college		
30	V. Gopal Kannan	BSC-CS	Tercity Arts & Science College	V. Gopal Kannan	V. Gopal Kannan
31	M. APSAL	BSC-CS	TERCITY ARTS & SCIENCE	APSAL	APSAL
32	V. Housalya	Associate Prof	Sri Ramakrishna College of Arts & Sci		
33	G. A. Divyadharsini	M.Sc Maths	Sri Ramakrishna college of Arts & scie	G.A. Divya	G.A. Divya
34	R. NIKITHA	M.Sc Maths	Sri Ramakrishna college of arts & science	R. Nikitha	R. Nikitha
35	J. Mohammed Taleel	B.Sc MCA C.S	Tercity arts & Science college	malpal II	malpal II
36	P. Mani Kandan	M.Sc Maths	Sri Ramakrishna college arts & science	P. Mani Kandan	P. Mani Kandan
37	E. Ramesh Kumar	Principals Asst Prof	Tercity Arts & science college		
38	S. Mohammed Anas	BSC MATHS	Sri Ramakrishna college of Arts & science	S. Anas	S. Anas
39	M. Mohamed Adnan	BSC CS	Tercity college of arts & science	Adnan	Adnan
40	P. Janani	M.Sc. Maths	Sri Ramakrishna college of Arts & Science	P. Janani	P. Janani
41	P. vignesh	MSE Maths	Sri Ramakrishna college of arts & science	Vignesh	Vignesh
42	S.L. Harresh kumar	M.Sc. Maths	Sri Ramakrishna college of Arts and science	Harresh	Harresh
43	T. Anandharathankar	M.Sc. Maths	Sri Ramakrishna arts & Science college	T. Anandharathankar	T. Anandharathankar
44	S.M. Thirumalai	M.SC PHYSICS	CHIKKANNA GOVT ARTS COLLEGE NEUPUR	S.M. Thirumalai	S.M. Thirumalai
45	A. LEMALATHA	M.Sc. MATHS	LPG GOVT ARTS COLLEGE FOR WOMEN	A. Lemalatha	A. Lemalatha
46	R. Aarthi	M.Sc Maths	LRG GOVT ARTS COLLEGE FOR WOMEN	R. Aarthi	R. Aarthi



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				27-10-2022	28-10-2022
47	S. Ranjani Priya	Student maths	LRC Govt Arts college for women	S. Ranjani Priya	S. Ranjani Priya
48	M. Sharmila	Student Maths	LRC Govt Arts College for women	M. Sharmila	M. Sharmila
49	E. Pavithra	Student Maths	LRC Govt Arts college for women	E. Pavithra	E. Pavithra
50	N. NAGARATHNAM	AP/Mathematics	Nalem Institute of Engg & Technology	N. Nagarathnam	N. Nagarathnam
51	V. Manipriya	Student maths	Kongunadu arts and science college	V. Manipriya	V. Manipriya
52	R. Gowthami	Student maths	Kongunadu Arts and science college	R. Gowthami	R. Gowthami
53	M. Dhanubashini	Student Physics	Chikkana govt. Arts college	M. Dhanubashini	M. Dhanubashini
54	N. S. Yashini Devi	Student Physics	Chikkana govt. Arts college	N. S. Yashini Devi	N. S. Yashini Devi
55	Sneha S	Student Physics	Chikkanna govt. arts college	Sneha S	Sneha S
56	M. Karviya	Student Physics	Chikkanna govt. arts college	M. Karviya	M. Karviya
57	DENINISHA. K	Student Physics	Chikkanna govt arts college	Deninisha. K	Deninisha. K
58	T. Manojkumar	Student (Phy)	CHIKKANNA GOVT. ARTS COLLEGE	T. Manojkumar	T. Manojkumar
59	D. Venkateshvaran	Student Maths	Sri Ramakrishna College of Arts & Science	D. Venkateshvaran	D. Venkateshvaran
60	A. S. Jyothi Prabha	Student (Maths)	Sri Ramakrishna college of Arts & Science	A. S. Jyothi Prabha	A. S. Jyothi Prabha
61	S. Mukilan	Student (Maths)	Sri Ramakrishna College of Arts & Science	S. Mukilan	S. Mukilan
62	Anju Krishnam	Student (Maths)	Sri Ramakrishna College of Arts & Science	Anju Krishnam	Anju Krishnam
63	J. V. J. Vishnu Prayaga	Student Maths	Sande Arts & Science college	J. V. J. Vishnu Prayaga	J. V. J. Vishnu Prayaga
64	B. Subasini	Student maths	Sande Arts & Science college	B. Subasini	B. Subasini
65	Gokilappiyaa. S	Student (Maths)	Sande Arts and science college	Gokilappiyaa. S	Gokilappiyaa. S



Dr. Durgin
[Dr. M. RAJU]

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S.No.	Name of the Participant	Designation	Name of the Institution	Signature of the Participant	
				27-10-2022	28-10-2022
66	A. Deepalakshmi	Student	Gobi Arts and Science College		
67	K. Gokila	"	"		
68	S. Gowshika	"	"		
69	B. Indhumathi	"	"		
70	J. Sowmiya	"	"		
71	S. Dhansh. Shender	"	"		
72	M. Karthikeyan	"	"		
73	C. Pavithraraj	"	"		
74	D. Prabhu	"	"		
75	K. Pravin Kumar	"	"		
76	R. Karthikeyan	Student	Vivekananda college		
77	V. T. praveen kanth	student	vivekananda college		
78	M. SOBHYA	student	L.R.G. Govt Arts college for women		
79	P. BHAVIA	MATHS (student)	L.R.G. GOVT ARTS COLLEGE FOR WOMEN		
80	K. GURU CHITRA	student	L.R.G. GOVT ARTS COLLEGE FOR WOMEN		
81	M. Varshnipriya	Student	SRI RAMAKRISHNA COLLEGE OF ARTS & SCIENCE		
82	M. Madhuvinala	student	Sri Ramakrishna College of Arts & Science		
83	S. Sowndarya	student	Sri Ramakrishna college of Arts & Science		
84	K. Harika	student	Sri Ramakrishna college of Arts and Science		

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85	S. Venkatesh	PGI - student	PSCCAS - COIMBATORE	<i>S. Venkatesh</i>	<i>S. Venkatesh</i>
86	M. Suthakar	UG - student	GASC - Erode	<i>M. Suthakar</i>	<i>M. Suthakar</i>
87	R. Harikumar	UG - student	GASC - Erode	<i>R. Harikumar</i>	<i>R. Harikumar</i>
88	K. Karthika	UG - student	GASC - Erode	<i>K. Karthika</i>	<i>K. Karthika</i>
89	P. Meiyarasi	UG - student	GASC - Erode	<i>P. Meiyarasi</i>	<i>P. Meiyarasi</i>
90	S. Menagadevi	UG - student	GASC - Erode	<i>S. Menagadevi</i>	<i>S. Menagadevi</i>
91	S. Dhairshakumari	UG - student	GASC - Erode	<i>S. Dhairshakumari</i>	<i>S. Dhairshakumari</i>
92	M. Vijitha	UG - student	GASC - Erode	<i>M. Vijitha</i>	<i>M. Vijitha</i>
93	S. Subhiksha	UG - student	GASC - Erode	<i>S. Subhiksha</i>	<i>S. Subhiksha</i>
94	R. Kaviya	UG - student	GASC - Erode	<i>R. Kaviya</i>	<i>R. Kaviya</i>
95	D. Anura	UG - student	GASC - Erode	<i>D. Anura</i>	<i>D. Anura</i>
96	DR. K. K. RAJAMANI	ASD - Faculty	RVSCEET - ebe	<i>K. K. Rajamani</i>	<i>K. K. Rajamani</i>
97	K. Sri Menagadevi	PGI - student	K.S. Rangasamy college of arts & science	<i>K. Sri Menagadevi</i>	<i>K. Sri Menagadevi</i>
98	Dr. P. SELVARAJU	Asst Prof / Maths	RVSCEET - CBE	<i>P. Selvaraju</i>	<i>P. Selvaraju</i>
99	MD P. VYAYAKUMAR	AP / Mathematics	RVSCEET - CBE	<i>P. Vyayakumar</i>	<i>P. Vyayakumar</i>
100	NIRMALADEVI - S	AP / Mathematics	SEC - TIRUCHENGAODE	<i>N. Maladevi</i>	<i>N. Maladevi</i>
101	M. Deepa	PGI - student	EASC - Erode	<i>M. Deepa</i>	<i>M. Deepa</i>
102	A. Priyadharshini	II M.Sc Maths	EASC - "	<i>A. Priyadharshini</i>	<i>A. Priyadharshini</i>
103	B. Abhinaya	II M.Sc Maths	" "	<i>B. Abhinaya</i>	<i>B. Abhinaya</i>

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104	S. Lavanya	student Maths	Erode Arts And Science college, Erode	S Jay	S Jay
105	G. Keerthana	student maths	Erode arts and science college, Erode	G. Keerthana	G. Keerthana
106	T. Pavandarya	Student (Maths)	Erode Arts And Science college Erode	T. Pavandarya	T. Pavandarya
107	V. Soniya	Student (Maths)	Erode Arts And Science college	V. Soniya	V. Soniya
108	V. Saraswathi	Student (Maths)	Erode Arts And Science college	V. Saraswathi	V. Saraswathi
109	S. Mythili	student (maths)	Erode arts and science college	S. Mythili	S. Mythili
110	S. Sujitha	Research scholar (Maths)	Sri Ramaswathina mission vidyalaya college	S. Sujitha	S. Sujitha
111	N. Siva Pradeep	"	"	N. Siva Pradeep	N. Siva Pradeep
112	R. Shanmuga priya - R.S	"	Pogankottammal College	R. Shanmuga priya	R. Shanmuga priya
113	N. P. Deepak	Research scholar (Maths)	Srmv college of Arts & science	N. P. Deepak	N. P. Deepak
114	K. DEVIKA	M.Sc Physics	Chikkanna government Arts College	K. Devika	K. Devika
115	Mu-Chellapriya K	Faculty (Maths)	Kavai Institute of Technology	Mu-Chellapriya K	Mu-Chellapriya K
116	J. BABU ANTONY	M.Sc (PHYSICS)	Chikkanna govt art college	J. Babu Antony	J. Babu Antony
117	Mr. E. Vigneesh Kumar	phd maths	SRMV,	E. Vigneesh Kumar	E. Vigneesh Kumar
118	K. AKHAYA	"	"	K. Akhaya	K. Akhaya
119	M. V. SINDHUMATHI	PGI-STUDENTS	L.R. G-ARTS AND SCIENCE COLLEGE	M. V. Sindhumathi	M. V. Sindhumathi
120	K. D. Tharani	T. M. Sc Maths	JRG " " "	K. D. Tharani	K. D. Tharani
121	SATHIYAPRIYA. A	"	" " " "	A. Sathiyapriya	A. Sathiyapriya
122	Devadharshini. R	"	" " " "	Devadharshini. R	Devadharshini. R



Dr. M. Raju
[Dr. M. Raju]

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123	PRAVEEN M	UG- Student	PRAGASE Palladam	M Praveen.	M Praveen.
124	Vasanth B	UG - student	PRAGASE palladam	Vasanth.B.S	Vasanth.B.S
125	Ravanya P	UG - student	PRAGASE palladam	U. Praveen	U. Praveen
126	Utkala G	UG - student	PRAGASE palladam	U. Praveen	U. Praveen
127	Prof. U Krishnasamy	Professor / Maths	RVS TC, Coimbatore	U. Praveen	U. Praveen
128	Mrs. P. Shyamaladevi	ASST. professor	RVS TCO, Coimbatore	P. Shre	P. Shre
129	Mrs. Vijaya Lakshmi K	Senior Lecturer	Sankaran Polytechnic College, Coe	P. Shre	P. Shre
130	Dhanushree M	DG - student	PSGAS - Coimbatore	P. Shre	P. Shre
131	Nandhini V	PG - student	PSGAS - Coimbatore	P. Shre	P. Shre
132	Subiksha VK	PG - Student	PSGAS - Coimbatore	Subiksha VK	Subiksha VK
133	Sarvesh G	UG Student	KASC	Sarvesh G	Sarvesh G
134	Shruthika S	UG Student	KASC	Shruthika S	Shruthika S
135	Supriya S	UG Student	KASC	S. Supriya	S. Supriya
136	Nantha kumar S	UG Student	KASC	S. Nantha Kumar	S. Nantha Kumar
137	Suresh V	UG Student	KASC	Suresh V.	Suresh V.
138	Karan S	PG Student	KASC	Karan S	Karan S
139	Dhara K	PG Student	KASC	Dhara K	Dhara K
140	Sathish P	PG Student	KASC	P. Sathish	P. Sathish
141	Hamsaravithi G	PG Student	KASC	Hamsa	Hamsa



on - Rajin
[D. M. RAJU]

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S.No.	Name of the Participant	Designation	Name of the Institution	Signature of the Participant	
				27-10-2022	28-10-2022
142	ARUNACHALA RAJA . P	✓ II - M.Sc. I MATHS	CHIKKANNA GOVERNMENT ARTS COLLEGE	P. Annachala Raja	P. Annachala Raja
143	KARTHIKEYAN . S	✓ "	✓ "	S. Kirthi	S. Kirthi
144	ARUNPANDIAN . T	✓ "	✓ "	T. A. R.	T. A. R.
145	RAMESHKANNA . S	✓ "	✓ "	Ramesh	R. S.
146	LOGESH . R	✓ "	✓ "	Logesh	Logesh
147	VIGNESH KUMAR . P	✓ "	✓ "	Vignesh	Vignesh
148	VIGNESHWARAN . M	✓ "	✓ "	Vignesh	Vignesh
149	KIRUTHIKA . M	✓ "	✓ "	Kiruthika	Kiruthika
150	KEERTHANA . M	✓ "	✓ "	M. Keerthana	M. Keerthana
151	DIKVA . M	✓ "	✓ "	M. Diks	M. Diks
152	PRIVANGIA . T	✓ "	✓ "	T. Priyanga	T. Priyanga
153	PRIVADHARSHINI . S	✓ "	✓ "	Priya . S	Priya . S
154	D. T. SRINIVASAN	✓ "	✓ "	D. T. S.	D. T. S.
155	KAVIYA . R	✓ "	✓ "	R. Kaviya	R. Kaviya
156	T. MUMMOORTHY	Ph.D. (Schools)	Dr. N. G. P. Arts and Science College Coimbatore - 641048	T. M.	T. M.
157	ANLAN KANTI HALDER	NBHM - PDF Dept - Math	PONDICHERY UNIVERSITY	Anlan	Anlan
158	Dr. K. Semthilkumar	ASP	KBISL Institute of Technology	K. S. Semthilkumar	K. S. Semthilkumar
159	POOJA . P	STUDENT	NANDHA ARTS AND SCIENCE COLLEGE	P. Pooja	P. Pooja
160	K. MOHANA SONDARAM	Assistant Professor	"	K. Mohana	K. Mohana



Dr. M. Raju

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Form of Utilization Certificate


S.No.	Letter No. and Date	Amount (Rs.)	
1.	SEP/LW/October/2022/ dated 22 September 2022.	Rs.1,48,500/-	Certified that out of sanctioned amount of Rs.1,48,500/- as Grants-in-aid, an advance amount of Rs.1,11,375/- (75% of 1,48,500/-) is released during the year 2022-2023 in favour of Dr. M. Raju, Associate Professor, Dept. of Mathematics, Jansons Institute of Technology, Coimbatore - 641659 under this Ministry/Department letter No. given in the margin and Rs.1,40,916.99 has been utilized for the purpose of Science Academies' Lecture Workshop on Differential Equations and their Applications in Mathematical Modelling. The balance spent amount of Rs.29,541.99 may kindly be released.
	Total	Rs.1,48,500/-	

1. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/ are being fulfilled and that I have exercised that following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised.

1. Physically checked and verified
2. Quantitatively and qualitatively checked and verified by me


Workshop Coordinator
Dr. M. RAJU



Chartered Accountant


Principal



Dr. V. Nagarajan
PRINCIPAL
Jansons Institute of Technology
Coimbatore - 641 659




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KARUMATHAMPATTI
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