



VIVEKANANDA COLLEGE

(Residential & Autonomous – A Gurukula Institute of Life – Training)

College with Potential for Excellence

Re-accredited with “A” Grade (CGPA 3.59 out of 4.00) by NAAC

Affiliated to Madurai Kamaraj University, Managed by Sri Ramakrishna Tapovanam,
Tirupparaiturai, Trichy

Tiruvedakam West, Madurai District-625 234, Tamil Nadu

DBT STAR COLLEGE SCHEME

Department of Biotechnology, Government of India, New Delhi



Chairman & Principal : Dr. T. Venkatesan, M. Com., B.Ed., M.Phil., PGDCA., Ph.D

Coordinator & Member Secretary : Dr. G. Ponraj, M.Sc., M.Phil., Ph.D

Webinar On “Applications Of Mathematics”
For School Teachers

Whatsapp Communications

Warm Greetings from Department of Mathematics, Vivekananda College, Tiruvedakam West, Madurai-625234, Tamil Nadu.

We are very happy to inform you that our Department is Organizing “**WEBINAR ON “APPLICATIONS OF MATHEMATICS”**” for School Teachers *under outreach Activities for School Teachers - DBT Star College scheme.*

Date & Time: 28.01.2022 (Friday)

Session – I : Time 11.30 AM to 12.30 PM

RESOURCE PERSON

Dr. R. Uthayakumar

Professor

Department of Mathematics

Gandhigram Rural Institute-Deemed University

Dindigul-624302.

Session – II: Time 02.30 PM to 04.00 PM

RESOURCE PERSON

Dr. S. Raja

Associate Professor

Department of Mathematics

AMRITA College of Engineering and Technologies

Nagarcoil-629902.

- ❖ No Registration Fee
- ❖ E- Certificate will be provided to all the Participants
- ❖

Registration link: <https://forms.gle/wM9Co1CmPrTTz3N27>

Google Meet Link: <https://meet.google.com/mng-mski-jmi>

With Regards,

Dr.G. Sanjeevi

Associate Professor, Head of Department

Organizing Coordinator

Members

Dr C. Rajan, Assistant Professor

Sri M. Nagaraj, Assistant Professor Cell.9894017106

Sri C. Velmurugan, Assistant Professor Cell.9688215952
 Dr R. Kalaivanan, Assistant Professor Cell.9626774722
 Kindly Fill the feedback form for receiving your Participation certificate:
 Thank you
 Feedback Form: <https://forms.gle/TadFJsYoXQjoEmjX8>

Invitations:

VIVEKANANDA COLLEGE
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 TIRUVEDAKAM WEST, MADURAI DISTRICT – 625 234

DEPARTMENT OF MATHEMATICS
 Organizes

WEBINAR ON "APPLICATION OF MATHEMATICS"
 (Outreach Activities for School Teachers under DBT Star College Scheme)

Date: 28-01-2022

Session - I
 Time 11.30 AM to 12.30 PM

DR. R. UTHAYAKUMAR
 Professor
 Department of Mathematics
 Gandhigram Rural Institute-Deemed University
 Dindigul-624302.

Session - II
 Time 02.30 PM to 04.00 PM

DR. S. RAJA
 Associate Professor
 Department of Mathematics
 AMRITA College of Engineering and Technologies
 Nagarcoil-629902.

Registration Form: <https://forms.gle/wM9CoJCMpRTtz3N27>
 Google Meet: <https://meet.google.com/mng-utsk-iimj>

Organizing Coordinator:
 Dr. C. Sanjeevi

Members:
 Dr C. Rajan
 Sri M. Nagaraj
 Sri C. Velmurugan
 Dr R. Kalaivanan

Free Registration
 E- Certificate will be issued
 Participants: School Teachers

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 TIRUVEDAKAM WEST, MADURAI DISTRICT – 625 234

DEPARTMENT OF MATHEMATICS
 Organizes

WEBINAR ON "APPLICATION OF MATHEMATICS"
 (Outreach Activities for School Teachers under DBT Star College Scheme)

Date: 28-01-2022
Time: 11.15 AM

Programme Schedule

Prayer : Om Sahana Bhavathu
 Welcome Address : **Dr. G. SANJEEVI** HOD, Dean & Controller
 Presidential Address : **Dr. T. VENKATESAN**, Principal
 Felicitation Address : **Dr. V. PARTHASARATHY** Vice Principal
 Blessing : **SWAMI VEDANANDA**, Secretary
SWAMI ADHYATHMANANDA, Kulapathi

11.30 AM Session-I : **Dr. R. UTHAYAKUMAR**,
 Professor,
 Department of Mathematics,
 Gandhigram Rural Institute-Deemed University,
 Dindigul-624302.

02.30 PM Session-II : **Dr. S. RAJA**,
 Associate Professor,
 Department of Mathematics,
 AMRITA College of Engineering and Technologies,
 Nagarcoil-629902.

Vote of thanks : **Dr. C. RAJAN** Assistant Professor
 Prayer : Sarvebhavandu
 Master of Ceremony : **SRI M. NAGARAJ** Assistant Professor

Registration Form: <https://forms.gle/wM9CoJCMpRTtz3N27>
 Google Meet: <https://meet.google.com/mng-utsk-iimj>

Registration Details:

Webinar on "APPLICATION OF M" x | Inbox (3) - mathematics@viveka... x | +

docs.google.com/forms/d/1pSWGZfKj5Tinu9ZU0x_BelKBOsUr3blyzaF8gmU... | M

Webinar on "APPLICATION OF MATHEMATICS" (| ☆ | All changes saved in Drive | Send | M

Questions | Responses (231) | Settings

DBT STAR COLLEGE

Registration Form: Webinar on "APPLICATION OF MATHEMATICS"

We are very happy to inform you that our Department is Organizing "WEBINAR ON 'APPLICATIONS OF MATHEMATICS' for School Teachers under outreach Activities for School Teachers - DBT Star College scheme.

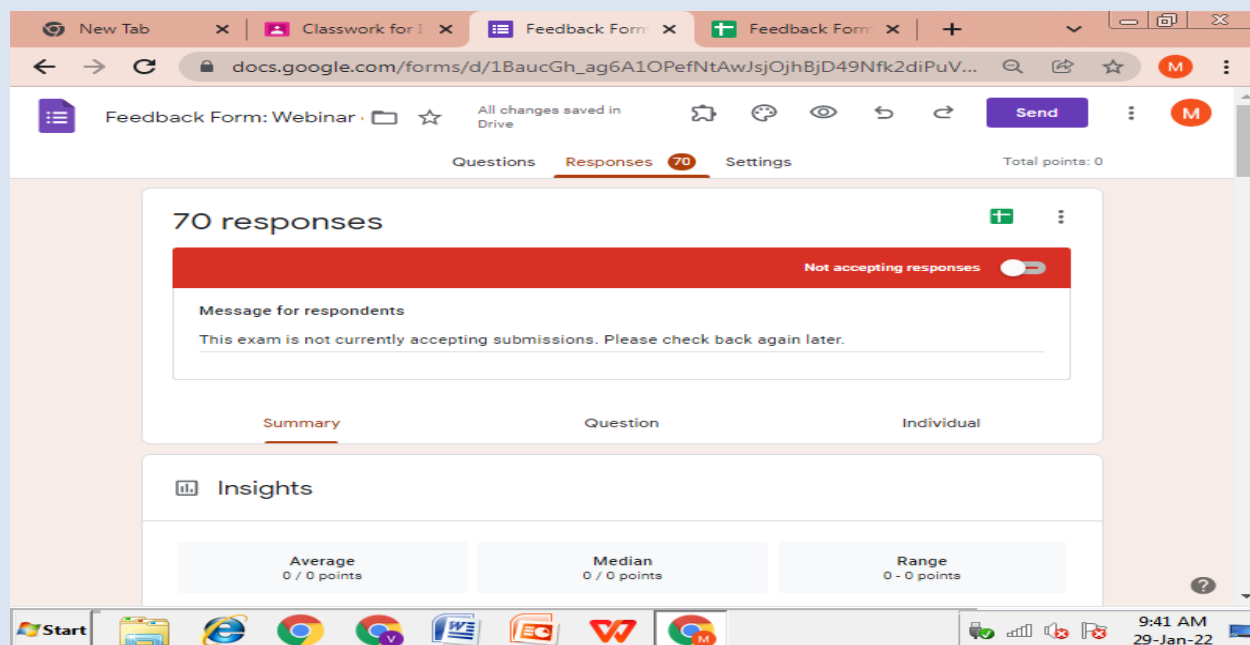
Date & Time: 28.01.2022 (Friday)

Session - I : Time 11.30 AM to 12.30 PM
 RESOURCE PERSON
 Dr. R. Uthayakumar
 Professor
 Department of Mathematics
 Gandhigram Rural Institute-Deemed University
 Dindigul-624302.

Session - II: Time 02.30 PM to 04.00 PM
 RESOURCE PERSON

10:58 PM
 27-Jan-22

Feedback Submission:



1. Resource Persons Details:

- (i) Name : Dr.R.Uthayakumar
 (ii) Designation : Professor, Gandhigram Rural university Dindigul.
 (iii) Qualification : M.Sc., M.Phil., B.Ed., PGDCA., Ph.D.,
 (iv) Experience : 24 years
 (v) Specialization : Fractal Theory, Operations Research, Inventory Management and Control
 (vi) Email id : uthayagri@gmail.com
 (vii) Research Guidance:

Degree	Awarded	Guiding
M.Phil	66	-
Ph.D	12	8

(viii) Publications

Sl.No.	Category	Total	For the period(2010-2016)
1.	Books	3	1
2.	Chapters in Books	1	1
3.	No. of papers in Edited Volume /Proceedings	69	40
4.	No. of Publications in International and National Journal	134	91

(ix) Sponsored Projects

Major Projects handled so far		Major Projects handled during 2010-2015	
Nos.	Financial Outlay	Nos.	Financial Outlay
5	Rs.47,40,988	4	Rs.40,14,188

(x) Details of Projects (2010-16)

S. No.	Title of the Project	Funding Agency	Duration	Total Amount in lakhs
1.	Fractal Analysis of Brain Tumor Detection and Growth Estimation	UGC	01.04.2013 to 31.05.2017	Rs.9.26
2.	Optimal Decision Making through Inventory and Supply Chain Modeling in Healthcare Industries	CSIR, New Delhi	01.10.2013 to 31.09.2016	Rs.9.04

3.	Mathematical Modelling for Optimizing the Inventory Costs in a Stochastic Environment with Trade Credit and Service Level Constraint	NBHM, Mumbai	01.04.2014 to 31.03.2017	Rs.9.84
4.	Mathematical Modeling of Multi-Item, Multi-Echelon Supply Chain System in Stochastic Environment	DST-SERB, New Delhi	01.08.2014 to 30.07.2018	Rs.12.00

- (x) Seminars/Conferences/Workshops organized (2010-16) : 3
- (xi) Seminars/Conferences/Workshops attended (2010-16) : 57
- (xii) Awards and Honours (2010-16) : 2
- (xiii) Invited talks in National / International Conference (2010-16): 11
- (xiv) Visits abroad (2010-16) : Sri Lanka from 09.08.2010 to 20.10.2010.
- (xv) Additional responsibilities (2010-16): Served as a Deputy Coordinator for the UGC-SAP (DRS-I), UGC-SAP (DRS-II), UGC-SAP (DSA-I), and FIST (DST) Programmes.

2. Resource Person Details

Name: Dr. S. Raja M.Sc., Ph.D
Assistant Professor
Department of Mathematics
Amrita College of Engi and Tech
Nagarcoil

Qualification:

1. Ph. D (Full time) from Manonmaniam Sundaranar University, Tirunelveli, March 2013.
2. M. Sc (Mathematics) from Manonmaniam Sundaranar University, Tirunelveli (2006 - 2008)
3. B. Sc (Mathematics) from CSI Jayaraj Annapackiam College, Manonmaniam Sundaranar University (2002 – 2005)

Total Experience in Teaching: 8years 10 months

Total Experience in Research: 4 Years 4 Months

Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli	3 Years 11 Months	UGC- Basic Science Research Fellow
Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli	4 Months	University Stipendiary Research Fellow

ROLES & RESPONSIBILITIES

IQAC- Coordinator
Head of the Department
Research Officer, Research and Development
Association Coordinator
IIRS Nodal Coordinator
Admission Coordinator

PUBLICATION DETAILS

Total Number of Published Paper 12

No of Papers in SCI	3
No of Papers in Scopus	4
No of Papers in web of science	4
No of Papers in UGC approved Journal	5
No of paper communicated	7
Cumulative Impact Factor	15.497
Research Gate Score	7.91

Editorial Board Member

- ✓ SCIREA Journal of Mathematics (Pure and Applied Mathematics).

Life Time Member:

- ✓ Academy of Discrete Mathematics and Applications (ADMA).
- ✓ International Society of Research and Development (MISRD).
- ✓ International Association of Engineers (IAENG).

Event Report

Department of Mathematics, Vivekananda College, Tiruvedakam West, Madurai was organized the **WEBINAR ON “APPLICATIONS OF MATHEMATICS”** on **28.01.2022**, Friday with the financial support from **DBT STAR COLLEGE SCHEME**. This webinar helps the School Teachers to improve their basic Mathematics skills and also they learn its applications in various real life field.

In the Inaugural Ceremony, **Dr. G. Sanjeevi**, Head, Department of Mathematics, Vivekananda College, Convener of the webinar welcomed the participants. **Swami Vedananda Maharaj**, Secretary of Vivekananda College and **Swami Adhyatmananda Maharaj, Kulapathi**, Vivekananda College blessed the participants.

Dr.T. Venkatesan, Principal, Vivekananda College presided over the inaugural function and in his presidential address; he highlighted the significance of the webinar.

Mr. C. Velmurugan Assistant Professor of Mathematics, Vivekananda College, organized the webinar and **Dr. C. Rajan**, Assistant Professor of Mathematics, Vivekananda College proposed the vote of thanks.

In the first Technical Session, **Dr.R.Uthayakumar, Professor, Department of Mathematics, Gandhigram Rural university Dindigul** acted as a resource person and delivered lecture of “applications of mathematics”. This Lecture covers Recent trends in applications of mathematics especially in the field of fractal and inventory control and also he taught various applications of basic mathematics which involved in school level syllabus such as differentiation, integration, vector, Algebra and Trigonometry.

In the second Technical Session, **Dr. S. Raja, Assistant Professor, Department of Mathematics, Amrita College of Engi and Tech, Nagarcoil** acted as a resource person and delivered lecture of “applications of mathematics”. This lecture covers formation of school Syllabus and Recent trends in applications of mathematics especially in the field of Golden ratio, Fibonacci series and cryptography. Also he taught various applications of basic mathematics which involved in school level syllabus such as Matrix, function, Set theory etc.

Totally out of more than 200 registrations 70 School Teachers were participated and benefitted from this workshop.

Convener
Dr. G.SANJEEVI

Principal
Dr. T. VENKATESAN

Meet - mng-mski-jmi | meet.google.com is sharing a window. Stop sharing Hide

meet.google.com/mng-mski-jmi

You're presenting to everyone

11:37 AM | mng-mski-jmi

Windows taskbar: Start, File Explorer, Edge, Chrome, Word, PowerPoint, Teams, OneDrive, Signal, System tray: Network, Volume, 11:37 AM, 28-Jan-22

Meet - mng-mski-jmi | meet.google.com is sharing a window. Stop sharing Hide

meet.google.com/mng-mski-jmi

Ramasamy Uthayakumar is presenting

Ramasamy Uthayakumar

11:53 AM | mng-mski-jmi

Participant list on the right:

- Shabnam U
- nagaraj m
- JSKM Siva
- Sirumalar Sri
- 37 others
- You

Windows taskbar: Start, File Explorer, Edge, Chrome, Word, PowerPoint, Teams, OneDrive, Signal, System tray: Network, Volume, 11:53 AM, 28-Jan-22

Meet - mng-mski-jmi

meet.google.com/mng-mski-jmi

ARCHITECTURE

- ❖ In architecture, trigonometry plays a massive role in the compilation of building plans.
- ❖ For example, architects would have to calculate exact angles of intersection for components of their structure to ensure stability and safety.
- ❖ Some instances of trigonometric use in architecture include arches, domes, support beams, and suspension bridges.
- ❖ Architecture remains one of the most important sectors of our society as they plan the design of buildings and ensure that they are able to withstand pressures from inside.

03:37 PM | mng-mski-jmi

Start | File Explorer | Edge | Chrome | Vivaldi | Word | PowerPoint | 12:28 PM 28-Jan-22

"WEBINAR ON "APPLIC..." | Feedback Form: Webina... | Meet - mng-mski-jmi

meet.google.com/mng-mski-jmi

Dr. S. Raja Sekar is presenting

Dr. S. Raja Sekar

2:38 PM | mng-mski-jmi

Start | File Explorer | Edge | Chrome | Vivaldi | Word | PowerPoint | 2:38 PM 28-Jan-22

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Tiruvadakam West, Madurai - 625234, Tamilnadu.



DEPARTMENT OF MATHEMATICS

WEBINAR ON

"APPLICATIONS OF MATHEMATICS"

(Outreach Activities for School Teachers under DBT Star College Scheme)



This is to certify that Dr. S. Raja, Assistant Professor, Department of Mathematics, Amrita College of Engineering and Technology, Nagarcoil - 629901, Kanyakumari has acted as a Resource person and delivered lecture on "Applications of Mathematics" in the webinar Outreach Activities for School Teachers under DBT Star College Scheme organized by the Department of Mathematics, Vivekananda college, Tiruvadakam west, Madurai- 625234 held on 28th January 2022.

Dr. G. Sanjeevi

Dr. G. Sanjeevi
HOD



T. Venkatesan

Dr. T. Venkatesan
Principal

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DEPARTMENT OF MATHEMATICS

WEBINAR ON

"APPLICATIONS OF MATHEMATICS"

(Outreach Activities for School Teachers under DBT Star College Scheme)



This is to certify that Dr. R. Uthayakumar, Professor, Department of Mathematics, Gandhigram Rural Institute-Deemed University, Dindigul-624302, has acted as a Resource person and delivered lecture on "Applications of Mathematics" in the webinar Outreach Activities for School Teachers under DBT Star College Scheme organized by the Department of Mathematics, Vivekananda college, Tiruvadakam west, Madurai- 625234 held on 28th January 2022.

Dr. G. Sanjeevi

Dr. G. Sanjeevi
HOD





T. Venkatesan

Dr. T. Venkatesan
Principal

International Mathematics Day (Pi-Day) Celebration Seminar On
“Mathematical Concepts For Innovation In Modern Sciences”



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Tiruvodanai West, Madurai - 625 234, Tamil Nadu, India.



DEPARTMENT OF MATHEMATICS
Organizes

INTERNATIONAL MATHEMATICS DAY (Pi-DAY) CELEBRATION
SEMINAR ON MATHEMATICAL CONCEPTS FOR
INNOVATION IN MODERN SCIENCES
(Under DBT-Star College Scheme)

Date: 14-03-2022

<p>Session - I Time 10.15 AM to 11.15 AM</p> <p>RESOURCE PERSON - 1</p> <p>Mrs. K. Logasutha Head and Assistant Professor Department of Mathematics Mangayarkarasi College of Arts and Science Madurai – 625 402.</p>		<p>Session - II Time 11.30 AM to 12.40 PM</p> <p>PAPER PRESENTATION</p> <p>Title: Applications of Mathematics. Not exceed 8 minutes. Maximum two participants are allowed (per team).</p>
<p>Session - III Time 02.00 PM to 02.45 PM</p> <p>RESOURCE PERSON - 2</p> <p>Dr C. Rajan Assistant Professor Department of Mathematics Vivekananda College Madurai – 625 234.</p>		<p>Session - IV Time 02.45 PM to 03.45 PM</p> <p>QUIZ COMPETITION</p> <p>Title: Applications of Mathematics. Level 1: Preliminaries Test Level 2: Dumb Charades Level 3: Guess the pictures. Maximum two participants are allowed. (per team)</p>

CONVENER:
Dr. R. KALAIVANAN Assistant Professor (9626774722)

ORGANIZING MEMBERS:
Dr. C. RAJAN Assistant Professor (9487322127)
SRI C. VELMURUGAN Assistant Professor (9688215952)
SRI M. NAGARAJ Assistant Professor (9894017106)

ORGANIZING SECRETARY:
Dr. G. SANJEEVI Head of the Department

ALL ARE CORDIALLY INVITED

"Take up one idea, make that one idea your life. Think of it, dream of it, Live on that idea let the brain, muscles, nerves, every part of your body be full of that idea, and just leave every other idea alone. This is the way to success."
- Swami Vivekananda

1. Resource Person Details

Name: Mrs. K. Logasutha,
Head and Assistant Professor,
Department of Mathematics,
Mangayarkarasi College of Arts and Science For Women
Madurai – 625 40

Qualification:

1. M.Phil (Mathematics) (2004 – 2005) MTN College, Madurai
2. M.Sc (Mathematics) (2002 – 2004) Sri Meenakshi Govt college for women, Madurai
3. B.Ed (Mathematics) (2006 – 2007)L.W.I.A.S.E, Chennai .
4. B.Sc (Mathematics) (1999 – 2002), P.K.N Arts and Science college, Madurai

Total Experience in Teaching: More than 15 years

CONFERENCE DETAILS

Total number of Seminar/Workshop Attended 5

2. Resource Person Details

Name: Dr C. Rajan,
Assistant Professor,
Department of Mathematics,
Vivekananda College
Madurai – 625 234

Qualification:

1. Ph. D (Mathematics) (2016) Madurai Kamaraj University
2. M.Phil (Mathematics) (2008) Madurai Kamaraj University
3. M.Sc (Mathematics) (2001) Madurai Kamaraj University
4. B.Sc (Mathematics) (1998), P.M.T.College, Usilampatti.

Total Experience in Teaching: More than 5 years

PUBLICATION DETAILS

Paper Publication: 5

Total number of Seminar/Workshop Attended: More than 6

Event Report

Department of Mathematics, Vivekananda College, Tiruvedakam West, Madurai organized the **International Mathematics Day (Pi-Day) Celebration Seminar On “MATHEMATICAL CONCEPTS FOR INNOVATION IN MODERN SCIENCES”** on 14th March 2022, Thursday with the financial support from DBT STAR COLLEGE SCHEME. This seminar helps undergraduate students to improve their Mathematics skills and also they learn innovation in modern sciences.

During the Inaugural Ceremony, **Dr. G. Sanjeevi**, Head, Department of Mathematics, Vivekananda College, Convener of the workshop welcomed the participants. **Swami Vedananda Maharaj**, Secretary of Vivekananda College, and **Swami Adhyatmananda Maharaj**, Kulapathi, Vivekananda College blessed the participants.

Dr.T. Venkatesan, Principal, Vivekananda College presided over the inaugural function, and in his presidential address; he highlighted the significance of the Seminar.

Dr. R. Kalaivanan Assistant Professor of Mathematics, Vivekananda College, organized the seminar, and **Sri C. Velmurugan**, Assistant Professor of Mathematics, Vivekananda College, proposed the vote of thanks.

In the first Technical Session (10.15 AM to 11.15 AM), **Mrs. K. Logasutha, Head and Assistant Professor, Department of Mathematics, Mangayarkarasi College of Arts and Science Madurai – 625 402** acted as a resource person and delivered the lecture on “Mathematical Models in modern sciences”. This section covers fundamental concepts and applications of Mathematical Models in the different scientific fields. The students actively participated and learns many innovative ideas from this section.

In the second Technical Session (2.00 PM to 3.00 PM), **Dr. C. Rajan, Assistant Professor, Department of Mathematics, Vivekananda College, Madurai – 625 234** acted as a resource person and delivered a lecture on “The Value of Pi”. In this section, students learn how to find Pi's value and the history of Pi day. The students actively participated and learn many things from this training.

Totally 24 students participated and benefitted from this Seminar.


Convener

Dr. R. Kalaivanan


HOD

Dr. G. Sanjeevi

Resource Person Certificate




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Tiruvedakam West, Madurai – 625 234, Tamilnadu.



Department of Mathematics

Appreciation Certificate


This is to certify that




Mrs K. Logasutha
Head and Assistant Professor
Department of Mathematics
Mangayarkarasi College of Arts and Science for Women
Madurai, TamilNadu

acted as the Resource Person in the **International Mathematics Day (Pi-Day) Celebration, Seminar on Mathematical Concepts for Innovation in Modern Sciences** (under - DBT Star College scheme) organized by the Department of Mathematics, Vivekananda College, Tiruvedakam West, Madurai-625 234 on 14th March 2022 (Monday).

PRINCIPAL




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Tiruvedakam West, Madurai – 625 234, Tamilnadu.



Department of Mathematics

Appreciation Certificate

This is to certify that



Dr C. Rajan
Assistant Professor of Mathematics
Vivekananda College
Tiruvedakam West, Madurai-625 234

acted as the Resource Person in the **International Mathematics Day (Pi-Day) Celebration, Seminar on Mathematical Concepts for Innovation in Modern Sciences** (under - DBT Star College scheme) organized by the Department of Mathematics, Vivekananda College, Tiruvedakam West, Madurai-625 234 on 14th March 2022 (Monday).

PRINCIPAL

Participant Certificate:



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TIRUVEDAKAM WEST, MADURAI – 625 234



CERTIFICATE

This is to certify that Mr _____ of _____
Major has participated/Won _____ prize in the _____ on the occasion of
**International Mathematics Day (Pi-Day) Celebration, Seminar on Mathematical Concepts for Innovation in
Modern Sciences (Under - DBT Star College Scheme) organized by the Department of Mathematics,
Vivekananda College, Tiruvedakam West, Madurai-625 234 on 14th March 2022 (Monday).**

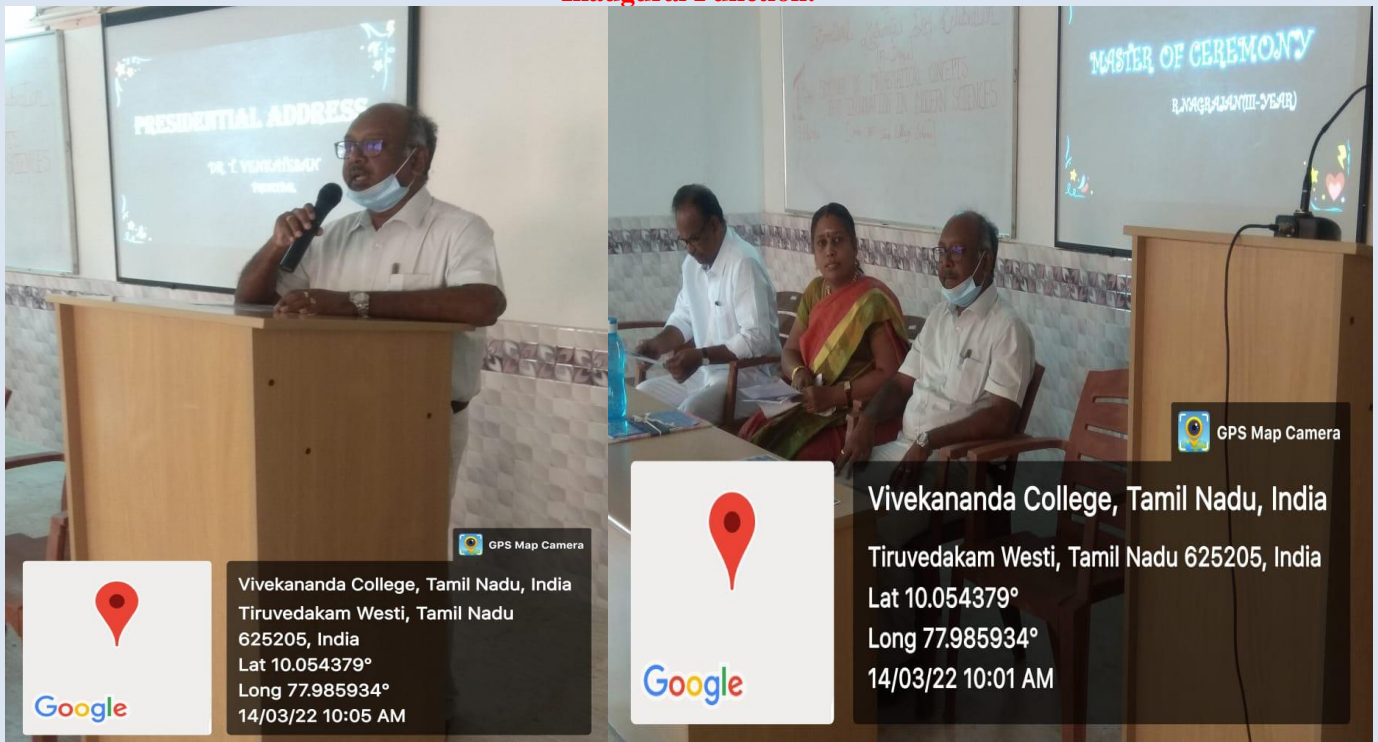
Dr. R. Kalaivanan
Convener

Dr G. Sanjeevi
Head of The Department

Dr.T.Venkatesan
Principal

Photos:

Inaugural Function:



Two photographs showing the inaugural function. The left photo shows a man speaking at a podium with a screen displaying 'PRESIDENTIAL ADDRESS'. The right photo shows three people seated at a table with a screen displaying 'MASTER OF CEREMONY'.

GPS Map Camera

Vivekananda College, Tamil Nadu, India
Tiruvedakam Westi, Tamil Nadu 625205, India
Lat 10.054379°
Long 77.985934°
14/03/22 10:05 AM

GPS Map Camera

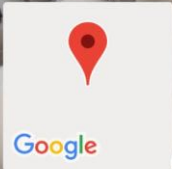
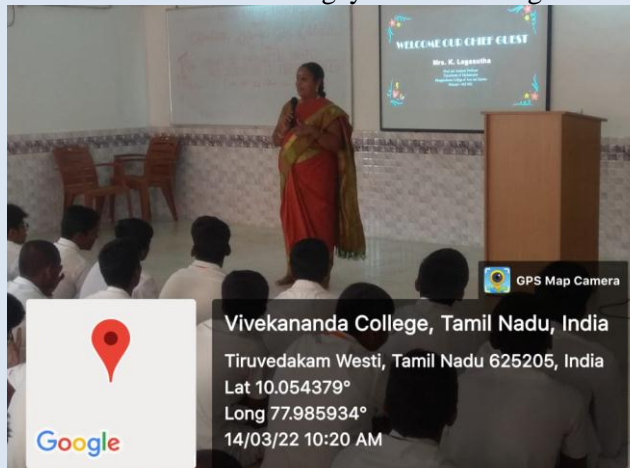
Vivekananda College, Tamil Nadu, India
Tiruvedakam Westi, Tamil Nadu 625205, India
Lat 10.054379°
Long 77.985934°
14/03/22 10:01 AM



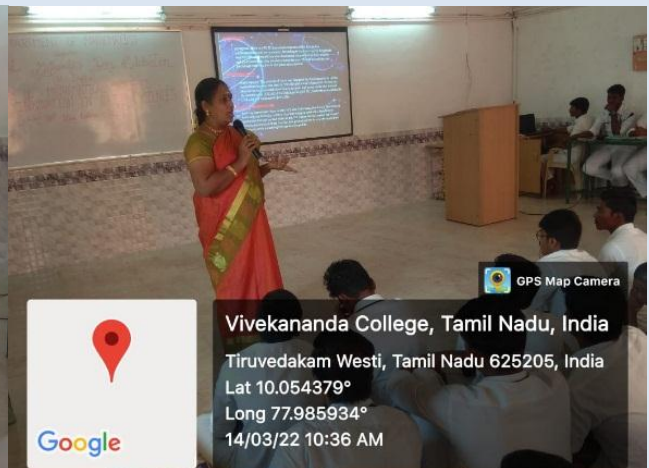
Vivekananda College, Tamil Nadu, India
 Tiruvedakam Westi, Tamil Nadu 625205, India
 Lat 10.054379°
 Long 77.985934°
 14/03/22 02:07 PM

Session I(10.00am to 11.30am)

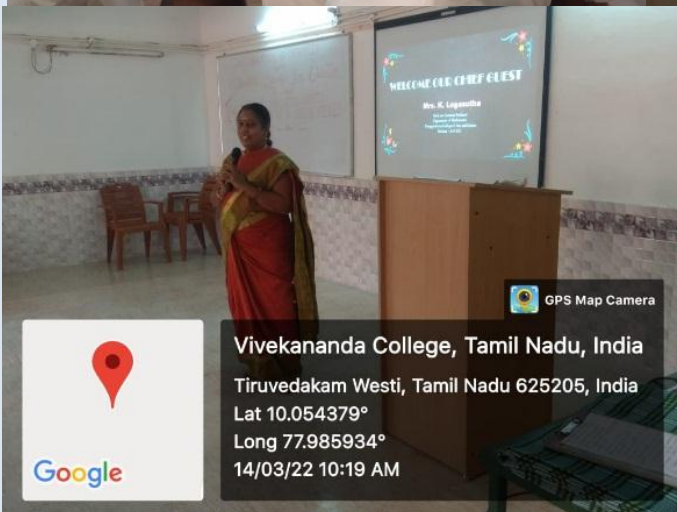
Resource Person I : **K. Logasutha**, Head and Assistant Professor, Department of Mathematics, Mangayarkarasi College of Arts and Science Madurai – 625 402



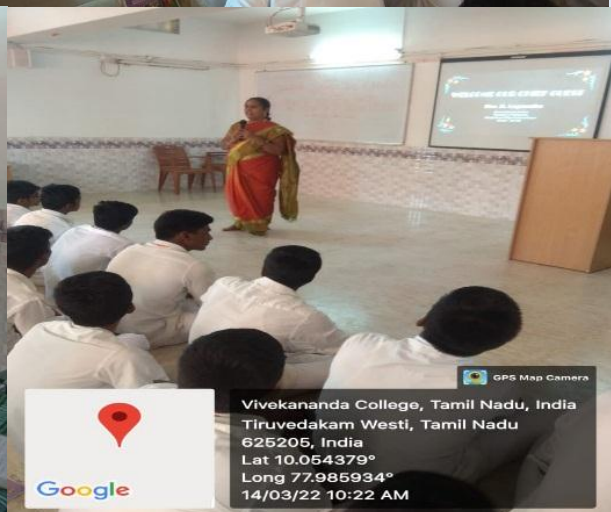
Vivekananda College, Tamil Nadu, India
 Tiruvedakam Westi, Tamil Nadu 625205, India
 Lat 10.054379°
 Long 77.985934°
 14/03/22 10:20 AM



Vivekananda College, Tamil Nadu, India
 Tiruvedakam Westi, Tamil Nadu 625205, India
 Lat 10.054379°
 Long 77.985934°
 14/03/22 10:36 AM



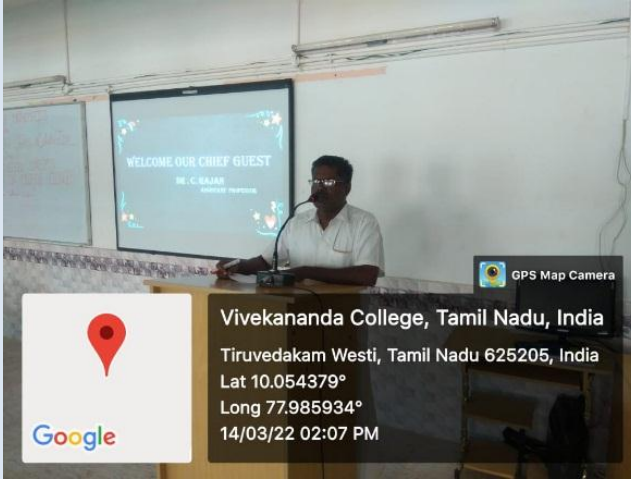
Vivekananda College, Tamil Nadu, India
 Tiruvedakam Westi, Tamil Nadu 625205, India
 Lat 10.054379°
 Long 77.985934°
 14/03/22 10:19 AM



Vivekananda College, Tamil Nadu, India
 Tiruvedakam Westi, Tamil Nadu 625205, India
 Lat 10.054379°
 Long 77.985934°
 14/03/22 10:22 AM

Session II (2.00pm to 3.00pm)

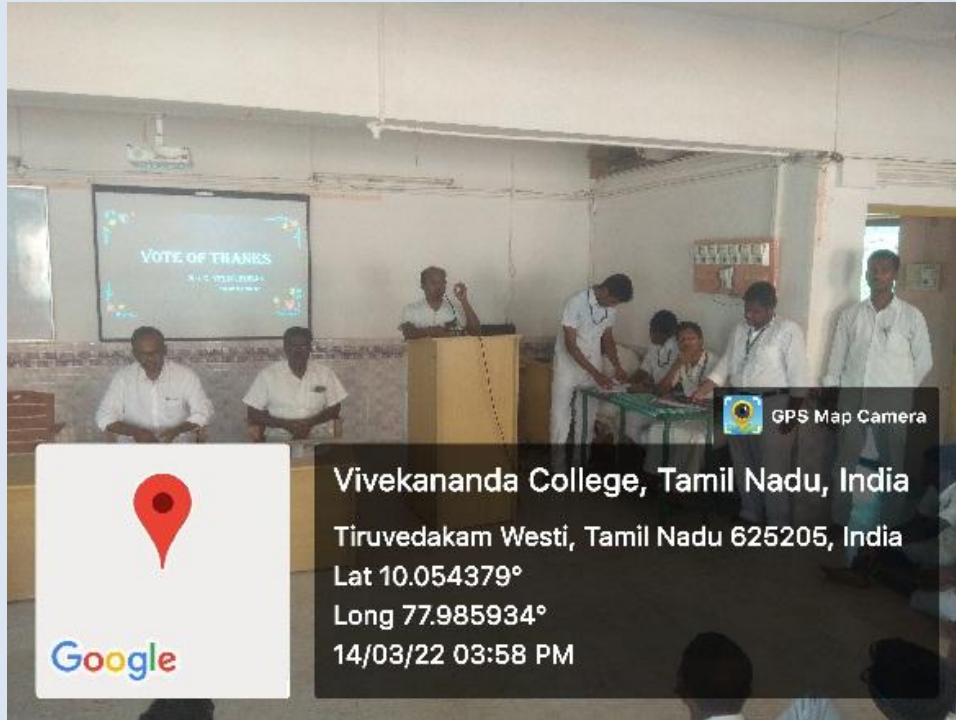
Resource Person II : **Dr. C. Rajan**, Assistant Professor, Department of Mathematics, Vivekananda College, Madurai – 625 234.



Certificate Distribution



Vote of Thanks



State Level Seminar On “Recent Trends In Mathematics And Information Technology”

RESOURCE PERSONS:

SESSION-1: PARTITIONED ALGEBRAS

Dr M. KAMARAJ

Head and Associate Professor
Department of Mathematics
Government Arts and Science College
Sivakasi - 626 124.

SESSION-2: SOME NEW ASPECTS OF FIXED POINT THEORY IN VARIOUS METRIC SPACES

Dr M. JEYARAMAN

Assistant Professor
PG and Research Department of Mathematics
Raja Duraisingham Government Arts College
Sivagangai - 630 560

SESSION-3: GRAPH THEORY APPLICATIONS

Dr A. PRASANNA

Assistant Professor
Department of Mathematics
Jamal Mohamed College
Tiruchirappalli - 620 020

SESSION-4: FUZZY GRAPHS

Dr G. SANJEEVI

Dean and Controller of Examinations
Head and Associate Professor
Department of Mathematics
Vivekananda College
Tiruvadakam West - 625 234.

TARGET AUDIENCE:

Faculty Members from various Colleges, Universities, NITs, IITs, IIITs, Engineering Colleges, other Institutions of Higher Education, Engineers & Scientists from Industry and R&D organizations.

CONVENER:

Dr R. KALAIVANAN Assistant Professor (9626774722)

ORGANIZING SECRETARY:

Dr G. SANJEEVI Head of the Department

ORGANIZING MEMBERS:

Dr C. RAJAN Assistant Professor (9487322127)

SRI M. NAGARAJ Assistant Professor (9894017106)

SRI C. VELMURUGAN Assistant Professor (9688215952)

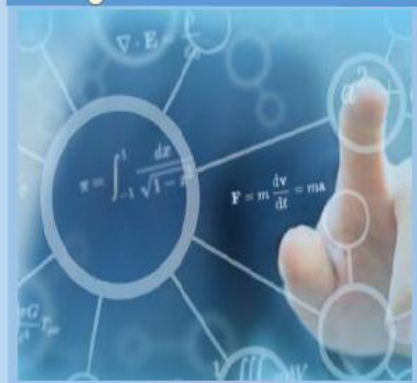
VENUE: AV HALL



STATE LEVEL SEMINAR ON RECENT TRENDS IN MATHEMATICS AND INFORMATION TECHNOLOGY

(Outreach Activities for College Teachers Under DBT-Star College Scheme)

18th March, 2022



Organized by

DEPARTMENT OF MATHEMATICS VIVEKANANDA COLLEGE

(Residential & Autonomous- A Gurukula Institute for Life Training)

College with Potential for Excellence

(Re -accredited with "A" grade (CGPA 3.59/4 by NAAC)
Tiruvadakam West, Madurai -625 234, Tamil Nadu, India.

1. Resource Person Details

Name: Dr M. KAMARAJ,
Head and Associate Professor,
Department of Mathematics,
Government Arts and Science College,
Sivakasi - 626 124

Qualification:

1. Ph. D in Mathematics from Madras University, Tamilnadu (1997)
2. Master of Philosophy in Mathematics- Madurai Kamaraj University, Tamilnadu (December 1991)
3. Master of Science in Mathematics - Madurai Kamaraj University, Tamilnadu (April 1990)
4. Bachelor of Science in Mathematics - V.H.N.S.N College. Viruthunagar (April 1988)

Total Experience in Teaching: More than 26 years

PUBLICATION DETAILS

Discipline/Area of specialisation : Mathematics, Algebra & Graph Theory

Candidates guided/awarded : 16

Number of Publications (International/National) :30 papers

2. Resource Person Details

Name: Dr M. JEYARAMAN,
Assistant Professor,
PG and Research Department of Mathematics,
Raja Doraisingam Government Arts College,
Sivagangai - 630 560

Qualification:

1. Ph. D in Mathematics
2. Master of Philosophy in Mathematics
3. Master of Science in Mathematics
4. Bachelor of Science in Mathematics

Total Experience in Teaching: More than 20 years

PUBLICATION DETAILS

Total Number of Published Paper 10

3. Resource Person Details

Name: Dr A. PRASANNA,
Assistant Professor,
Department of Mathematics,
Jamal Mohamed College
Tiruchirappalli - 620 020

Qualification:

1. Ph. D in Mathematics - Jamal Mohamed College, Trichy/ Bharathidasan University (2015)

2. Master of Philosophy in Mathematics- PRIDE/ Periyar University, Salem (December 2008)
3. Master of Science in Mathematics - Jamal Mohamed College, Trichy/ Bharathidasan University (April 2006)
4. Bachelor of Science in Mathematics - Jamal Mohamed College, Trichy/ Bharathidasan University (April 2004)

Total Experience in Teaching: More than 14 years

OTHER DETAILS

M.Phil Guided: 14

Ph.D Guided: 2

Total Number of Published Paper: 66

Conference Paper Presentation: 25

Conference Participated: 77

4. Resource Person Details

Name: Dr G. SANJEEVI,
Dean and Controller of Examinations,
Head and Associate Professor,
Department of Mathematics,
Vivekananda College, Tiruvedakam West - 625 234

Qualification:

1. Ph. D in Mathematics - Madurai Kamaraj University, Madurai. (2019)
2. Master of Philosophy in Mathematics- Madurai Kamaraj University, Madurai (December 1992)
3. Master of Science in Mathematics V.H.N.S.N. College, Virudhunagar (April 1989)
4. Bachelor of Science in Mathematics - Vivekananda College, Tiruvedagam West. (April 1986)

Total Experience in Teaching: More than 25 years

PUBLICATION DETAILS

Total Number of Published Paper : 4

Conference Presentation : 4

Event Report

Department of Mathematics, Vivekananda College, Tiruvedakam West, Madurai organized the **State Level Seminar on “RECENT TRENDS IN MATHEMATICS AND INFORMATION TECHNOLOGY”** on 18th March 2022, Thursday with the financial support from DBT STAR COLLEGE SCHEME for college teacher. This seminar helps undergraduate students to improve their Mathematics skills and also they learn innovation in modern sciences.

During the Inaugural Ceremony, **Dr. G. Sanjeevi**, Head, Department of Mathematics, Vivekananda College, Convener of the workshop welcomed the participants. **Swami Vedananda Maharaj**, Secretary of Vivekananda College, and **Swami Adhyatmananda Maharaj**, Kulapathi, Vivekananda College blessed the participants.

Dr.T. Venkatesan, Principal, Vivekananda College presided over the inaugural function, and in his presidential address; he highlighted the significance of the Seminar.

Dr. R. Kalaivanan Assistant Professor of Mathematics, Vivekananda College, organized the seminar, and **Dr. C. Rajan**, Assistant Professor of Mathematics, Vivekananda College, proposed the vote of thanks.

In the first Technical Session (10.15 AM to 11.15 AM), **Dr M. KAMARAJ, Head and Associate Professor, Department of Mathematics, Government Arts and Science College, Sivakasi - 626 124** acted as a resource person and delivered the lecture on **“PARTITIONED ALGEBRAS”**. This section covers fundamental

concepts and applications of Partitioned Algebras. The students actively participated and learns many ideas from this section.

In the second Technical Session (11.30 AM to 12.30 PM), **Dr M. JEYARAMAN, Assistant Professor, PG and Research Department of Mathematics, Raja Duraisingam Government Arts College, Sivagangai - 630 560** acted as a resource person and delivered a lecture on **“SOME NEW ASPECTS OF FIXED POINT THEORY IN VARIOUS METRIC SPACES”**. In this section, students learn fixed point theory and its applications. The students actively participated and learn many things from this training.

In the third Technical Session (02.00 PM to 03.00 PM), **Dr A. PRASANNA, Assistant Professor, Department of Mathematics, Jamal Mohamed College Tiruchirappalli - 620 020** acted as a resource person and delivered a lecture on **“GRAPH THEORY APPLICATIONS”**. In this section, students learn Graph theory and its applications. The students actively participated and learn many things from this training.

In the fourth Technical Session (03.00 PM to 03.45 PM), **Dr G. SANJEEVI, Dean and Controller of Examinations, Head and Associate Professor, Department of Mathematics, Vivekananda College, Tiruvudakam West - 625 234** acted as a resource person and delivered a lecture on **“FUZZY GRAPHS”**. In this section, students learn fuzzy graphs and its applications. The students actively participated and learn many things from this training.

Totally 28 participations participated and benefitted from this Seminar.

Convener

Dr. R. Kalaivanan

HOD

Dr. G. Sanjeevi

Resource Person Certificate:




VIVEKANANDA COLLEGE
College with Potential for Excellence
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 Affiliated to Madurai Kamaraj University
 (Managed by Sri Ramakrishna Tapovanam, Tirupparaiturai, Trichy)
 Tiruvudakam West, Madurai – 625 234, Tamil Nadu.

Department of Mathematics

Appreciation Certificate

This is to certify that



S. RAJAN
 Assistant Professor
 PG and Research Department of Mathematics
 Raja Ramalinga Government Arts College
 Bangalore- 560 007

acted as the Resource Person in State Level Seminar on "Recent Trends in Mathematics and Information Technology" under DBT-Star College scheme organized by the Department of Mathematics, Vivekananda College, Tiruvudakam West, Madurai-625 234 on 18th March 2022 (Friday).


PRINCIPAL

VIVEKANANDA COLLEGE
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 Re-accredited (5th Cycle) with 'A' Grade (CGPA: 3.59 out of 4.00) by NAAC
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 (Managed by Sri Ramakrishna Tapovanam, Tirupparaiturai, Trichy)
 Tiruvudakam West, Madurai – 625 234, Tamil Nadu.

Department of Mathematics

Appreciation Certificate

This is to certify that



Dr. G. Sanjeevi
 Dean and Controller of Examinations
 Head and Associated Professor of Mathematics
 Vivekananda College
 Tiruvudakam West, Madurai-625 234

acted as the Resource Person in State Level Seminar on "Recent Trends in Mathematics and Information Technology" under DBT-Star College scheme organized by the Department of Mathematics, Vivekananda College, Tiruvudakam West, Madurai-625 234 on 18th March 2022 (Friday).

PRINCIPAL

Participant Certificate:



VIVEKANANDA COLLEGE
College with Potential for Excellence
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 Affiliated to Madurai Kamaraj University
 Managed by Sri Ramakrishna Tapovanam, Tirupparaiturai, Trichy
 TIRUVEDAKAM WEST, MADURAI – 625 234





This is to certify that _____

_____ has actively participated in

State level Seminar on "Recent Trends in Mathematics and Information Technology"

for College Teachers Under - DBT Star College Scheme organized by the Department of Mathematics,

Vivekananda College, Tiruvudakam west, Madurai- 625 234 held on 18.0.3.2022.

Dr. G. Sanjeevi
Head of The Department

Dr.T.Venkatesan
Principal

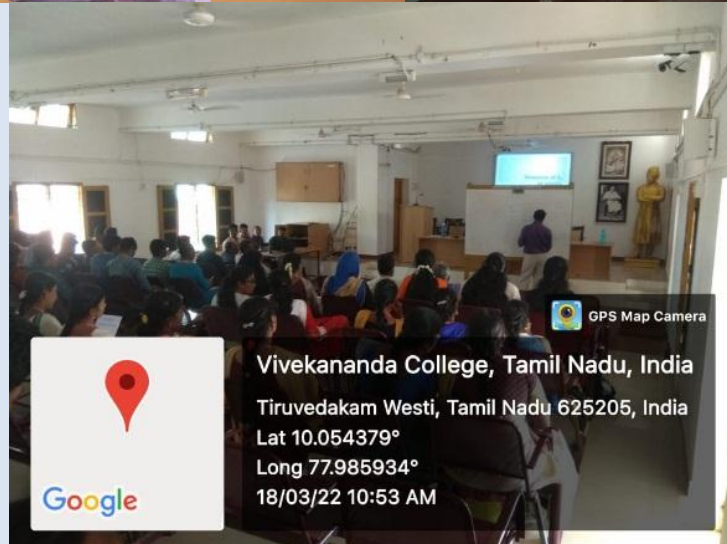
Photos:

Inaugural Function:



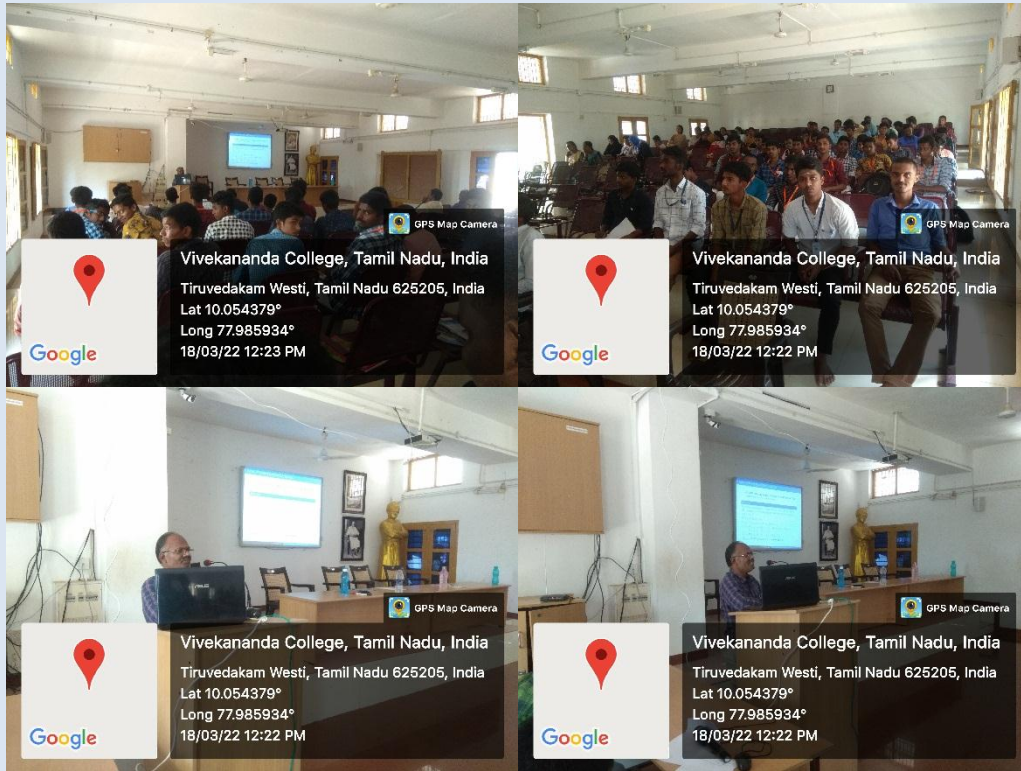
Session I(10.00am to 11.30am)

Resource Person I : **Dr M. KAMARAJ**, Head and Associate Professor, Department of Mathematics, Government Arts and Science College, Sivakasi - 626 124



Session II (11.40am to 12.40pm)

Resource Person II : **Dr. M. JEYARAMAN**, Assistant Professor, PG and Research Department of Mathematics, Raja Doraisingam Government Arts College, Sivagangai - 630 560



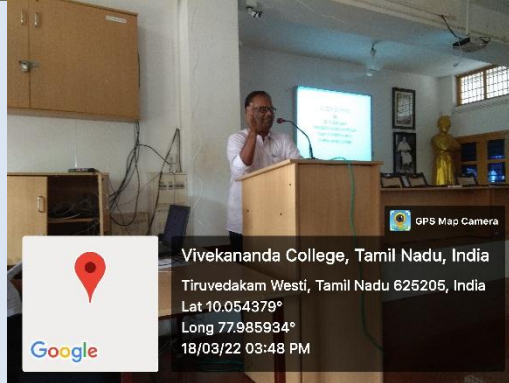
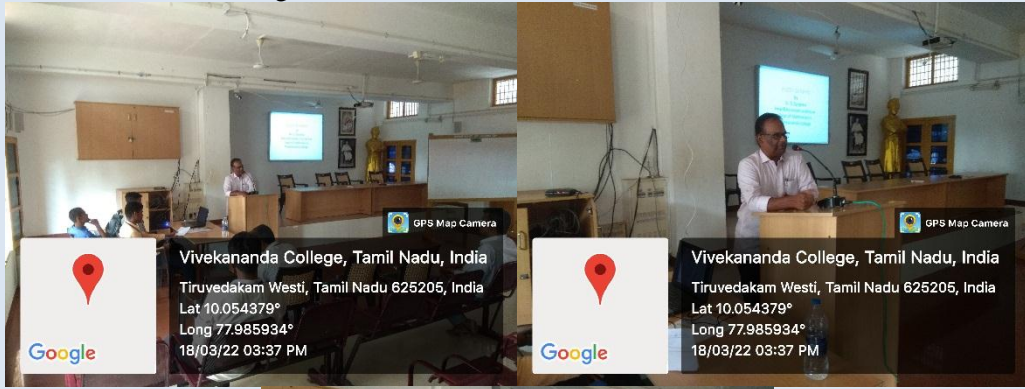
Session III (2.00pm to 3.00pm)

Resource Person III : **Dr. A. PRASANNA**, Assistant Professor, Department of Mathematics, Jamal Mohamed College Tiruchirappalli - 620 020

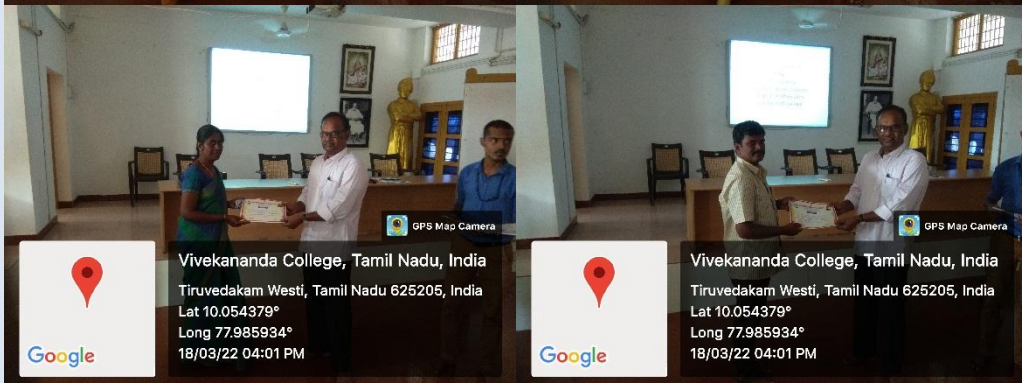
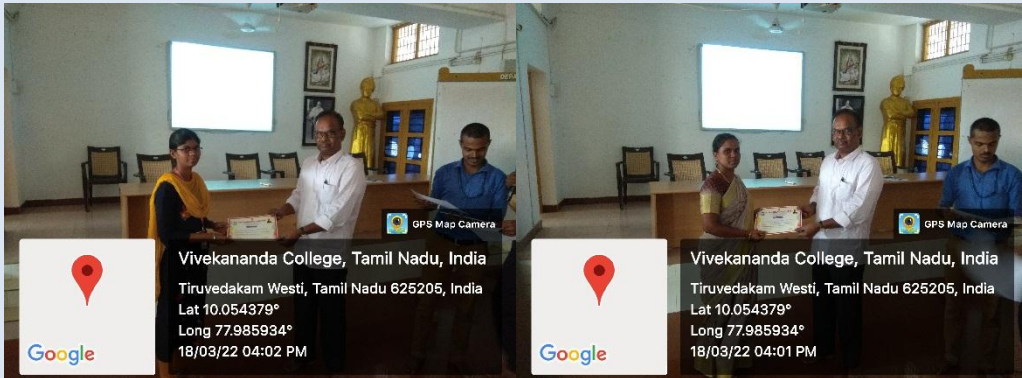


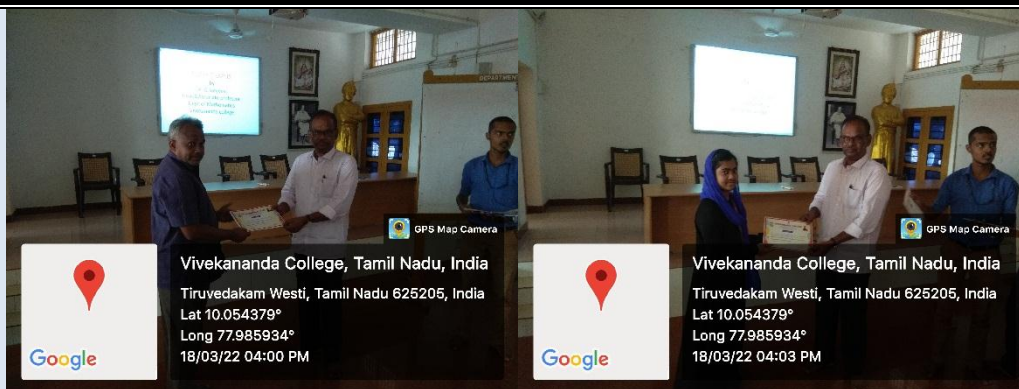
Session IV (3.00pm to 3.45pm)

Resource Person IV : **Dr G. SANJEEVI**, Dean and Controller of Examinations, Head and Associate Professor, Department of Mathematics, Vivekananda College, Tiruvedakam West - 625 234

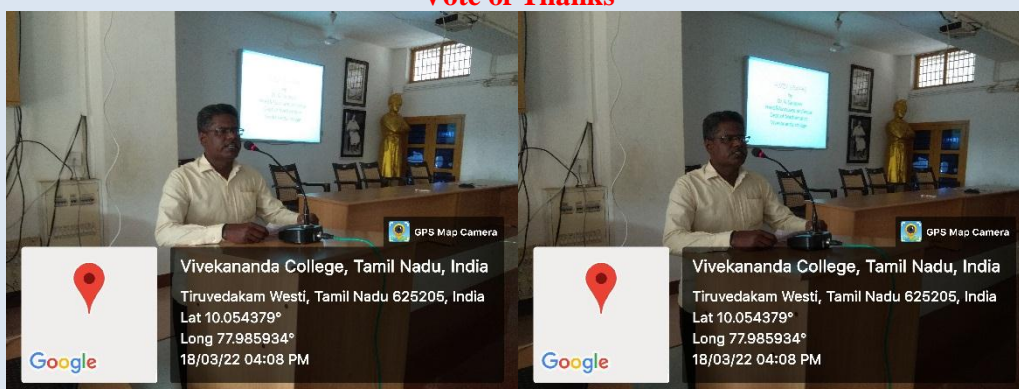


Certificate Distribution





Vote of Thanks



Faculty Enrichment Programme On "Applications Of Mathematics In Engineering"

Department of Mathematics organized many programs both online and offline mode for the benefits of the teachers and students community under DBT Star College Scheme. In this regard, we organized the **Online Faculty Enrichment Programme** in the title “**Applications of Mathematics in Engineering**” for the faculty members on **29th March, 2022** at 02.30 pm under DBT Star College Scheme. In this webinar, the faculty members of various disciplines benefitted about the applications of Mathematics in the technical sector especially in engineering.

This webinar started with our usual prayer. **Dr.C.Rajan**, Assistant Professor of Mathematics, delivered the welcome address and introduced about the resource person. **Dr.K.Karupiah**, Assistant Professor of Mathematics, Government College of Engineering, Bodi Campus, Theni district has acted as a resource person and delivered a wonderful lecture on the applications of mathematics to the participants.

The faculty members from various departments and various colleges participated and clarified their doubts. E_certificates were given to all the participants.

LIST OF PARTICIPANTS:

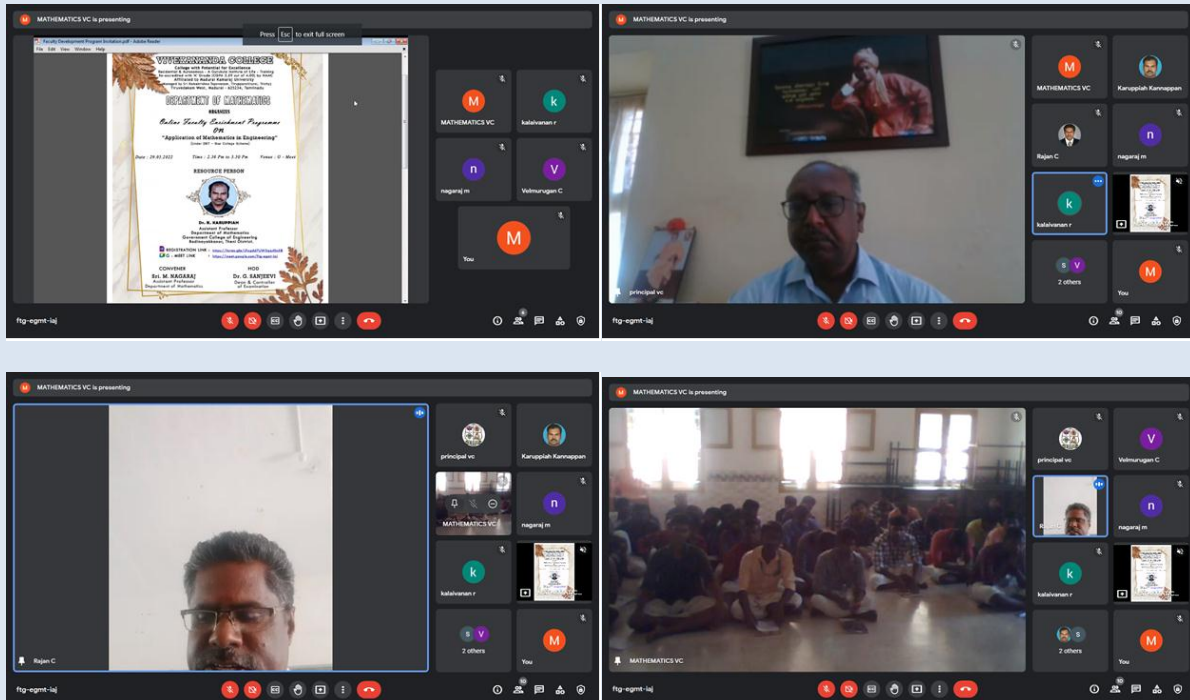
Sl. No.	Name of the Institution	Participants Count
1	Theni kammavar Sangam College of Engineering, Theni	2
2	Nadar Saraswathi College of Engineering & Technology, Theni	3
3	Vivekananda College, Tiruvedakam West	6
4	Government College of Engineering, Bodi	2
5	Kongu College of Engineering & Tech, Erode	1

Mr.M.Nagaraj, Assistant Professor of Mathematics, proposed vote of thanks. This webinar concluded with our usual prayer.

Convener
(Mr.M.Nagaraj)

Head of the department
(Dr.G.Sanjeevi)

SNAPSHOTS



Karuppiah Kumappan is presenting

$y = \log x \Rightarrow \frac{dy}{dx} = \frac{1}{x}$

① Eqn of circle: $x^2 + y^2 = r^2$

② Eqn of parabola: $x^2 = 4ay$
 $y = 4ax$

Participants: Karuppiah Kumappan, Rajan C, k, k, n, 3 others, You

Karuppiah Kumappan is presenting

③ Substituting values

$\left| \frac{dy}{dx} + |a| \right| = 0, y(0) = 0$


$y = 0$ only satisfies DE $|x| \geq 0$

$y = 0$ also satisfies the condition $|x| = 0 \Leftrightarrow x = 0$

$y = 0$ is only soln of the problem $|x| > 0 \Rightarrow x = 0$ and $y = 0$

Participants: Karuppiah Kumappan, k, k, n, You, MATHEMATICS VC

Karuppiah Kumappan is presenting



Participants: Karuppiah Kumappan, k, k, n, You, MATHEMATICS VC