||OM SRI MANJUNATHAYA NAMAHA||

MMK & SDM MAHILA MAHA VIDYALAYA

K.M.PURAM MYSORE

DEPARTMENT OF MATHEMATICS

WEBINARS ORGANISED

(2020-21)

PRINCIPAL
MMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysuru-570004

PREFACE

Department of mathematics organised webinars to inculcate an in-depth knowledge on the areas "Application of Mathematics" and "Ramanujan's life and his elementary works" for the students. The topics discussed imbibe the students with independent mathematical learning and reasoning skills. The online platform helped us to impart knowledge not only to our students, but also to students and faculties of other institutions irrespective of their regions.

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MMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysuru-570004

MMK & SDM MAHILA MAHA VIDYALAYA, MYSORE

Department of Mathematics

Webinars Organised in the Year 2020-21

DATE: 26/12/2020

PROGRAMME: National Level Webinar

TOPIC: "Application of Mathematics"

OBJECTIVES: To develop fundamental mathematical skills and the ability for independent mathematical learning and reasoning.

RESOURCE PERSON: Mr.Malegaonkar Swapnil Deepak, Junior research fellow, Department of Mathematics, SRM University, Andra Pradesh.

Resource Person

Mr.Malegaonkar Swapnil Deepak

SESSION DISCUSSION: Applied mathematics is the application of mathematical methods by different fields such as physics, engineering, medicine, biology, finance, business, computer science, and industry. Thus, applied mathematics is a combination of mathematical science and specialized knowledge. The term "Applied Mathematics" also describes the professional specialty in which Mathematicians work on practical problems by formulating and studying mathematical models.

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Applied mathematics is associated with the following mathematical sciences:

- Scientific computing
- Computer science
- Operations research and management science
- Statistics
- Actuarial science
- Mathematical economics

Time-varying coefficient estimation in differential equation models with noisy time-varying covariates:

Ordinary differential equations (ODEs) are widely used to describe systems in physics, chemistry, biology and medicine. These ODEs usually involve quite a few unknown parameters that need to be estimated from observational data. Thus unlike traditional studies of dynamical systems that seek solutions for the equations, here we are concerned with the inverse problem of estimating the equations themselves given some variable measurements. Unfortunately, most ODE systems used in these applications are often complicated in form and thus do not entertain analytical solutions. Besides, the observations typically contain measurement errors and statistical methods are required to estimate these parameters.

In general, such a system can be written as,

$$\frac{dX(t)}{dt}=F(X(t),\beta(t),V,\alpha),$$

where $X(t)=(X_1(t),\ldots,X_p(t))^T$ are time-varying covariates, V are non-time-varying covariates, and $\beta(t),\alpha$ are time-varying and non-time-varying parameters, respectively. F is assumed to be known. We also assume $t\in[0,1]$ without loss of generality. However, we do not observe X(t) directly. Instead, we have noisy observations:

$$Y_i=X(t_i)+\epsilon_i,$$

where $Y_i=(Y_{1i},\ldots,Y_{pi})^T$ are our actual observations and $\epsilon_i=(\epsilon_{1i},\ldots,\epsilon_{pi})^T$ are the mean zero measurement errors assumed to be independent and identically distributed.

Birth of Vector Product and its Application :

In 1773, Joseph-Louis Lagrange introduced the component form of both the dot and cross products in order to study the tetrahedron in three dimensions. In 1843, William Rowan Hamilton introduced the quaternion product, and with it the

terms "vector" and "scalar". Given two quaternions [0, u] and [0, v], where u and v are vectors in R^3, their quaternion product can be summarized as $[-u \cdot v, u \times v]$. James Clerk Maxwell used Hamilton's quaternion tools to develop his famous electromagnetism equations, and for this and other reasons quaternions for a time were an essential part of physics education.

In 1878 William Kingdon Clifford published his Elements of Dynamic which was an advanced text for its time. He defined the product of two vectors to have magnitude equal to the area of the parallelogram of which they are two sides, and direction perpendicular to their plane.

Applications:

- Computational geometry
- Angular momentum and torque
- Rigid body
- Lorentz force

BENEFICIARIES: Students and Faculties.

NUMBER OF PARTICIPANTS: 227

OBJECTIVE:- Students communicate mathematical understanding to others verbally and in written form. Apply precise and logical reasoning to problem solving. Utilization of symmetric approach and critical thinking skills to solve a problem is developed.

CONCLUSION: The skills acquired by the students assist them carry out Research Projects in future.

Organizers

Faculty, Department of Mathematics.

HEAD OF THE DEPARTMENT

PRINCIPAL

PRINCIPAL
MMK & SDM Mahila Mahavidyalaya
Krishnamurthypuram, Mysore-570 004

Date: 10/12/2020

From

Department of Mathematics

MMK & SDM Mahila Maha Vidyalaya, Mysore

To

The Principal

MMK & SDM Mahila Maha Vidyalaya, Mysore

Respected Sir,

Sub:– Proposal for organizing One Day National Level Webinar on **"Applications of Mathematics"**- permission sought for- regarding.

With reference to above, we write to state that we wish to conduct One Day **National Level** Webinar on **"Applications of Mathematics"** during the month of December 2020 in our College through virtual mode for the B.Sc Degree Students with Mathematics Combination. In view of the same, kindly permit us to conduct the Webinar.

Thanking you,

Yours faithfully

HEAD OF THE DEPARTMENT

Department of Mathematics

MMK & SDM Mahila Maha Vidyalaya

Krishnamurthypuram, MYSURU-570004

PRINCIPAL

MMK & SDM Mahila Maha Vidyalaya

Krishnamurthypuram, Mysuru-570004

MMK & SDM MAHILA MAHAVIDYALAYA
KRISHNAMURTHYPURAM
MYSORE-570004
Vision: "Empowerment of Women to Build an Enlightened Society"

Department of Mathematics

in association with Internal Quality Assurance Cell(IQAC)
Organizes
ONE DAY NATIONAL LEVEL WEBINAR
on

"Application of Mathematics"

Resource Person:

Mr. Malegaonkar Swapnil Deepak
Junior Research Fellow (Ph.D.)
Department of Mathematics
SRM University, Andhra Pradesh

Date : 26/12/2020 Time : 10.30.A.M - 12.00.P.M

Registration Link : https://forms.gle/[illegible]95kJNFfnL7sWXi9
Platform :
Google Meet Link: https://meet.google.com/icm-opqr-osm
YouTube Link : https://youtu.be/[illegible]
College Website : http://www.[illegible]mmkmysore.in
Ph: 0821-2332865

All are cordially invited

Prof. Sainath M[illegible]
Principal

Smt.G.R.Sumithra
IQAC Co-Ordinator &
HOD of Electronics

Ms. Gayathri R
Convener & HOD of Mathematics

Mrs. Chaitra [illegible]
Asst. Professor
Co-Convener

Mrs. Vidhya P V
Asst. Professor
Co- Convener

Note : E- Certificates will be issued to all the participants & No Registration fee.

PRINCIPAL
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Krishnamurthypuram, Mysuru-570004

|| OM SHRI MANJUNATHAYA NAMAHA ||

M.M.K.

&

DHARMASTHALA MANJUNATHESHWARA MAHILA MAHAVIDYALAYA

(Affiliated to University of Mysuru)

Krishnamurthypuram, Mysuru - 570 004

Mob. : 9886166750 Off. : 0821 - 2332865 Fax : 0821 - 2331431

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Email : principal@sdmmmkmysore.in, sai_malligemadu@sdmmmkmysore.in

(Managed by : **SDME Society (R.), Ujire**)

PRESIDENT : **Dr. D. VEERENDRA HEGGADE,** Shri Kshetra Dharmasthala

Office of the Principal

Ref. No.: MMK & SDM / MMV / 301 / 2020 2021

Date : 24/12/2020

To,

Swapnil Deepak

Fellow(PhD)

Mathematics

Andhrapradesh.

Resource Person.

SDM Mahila Mahavidyalaya, established in the year 1990 is a Pioneering College in Women's Education and Empowerment. Our President Padma Vibhushana awardee Veerendra Heggade's name instantly brings in a stamp of integrity & quality. Our striving to attain all round excellence and to impart quality Education along with cultural awareness to students of all strata of society under the dynamic guidance of

inviting you as a resource person for the one day **National Level Webinar** on the **Mathematics**" organized by Department of Mathematics on 26th December

our invitation. Looking forward to your kind response.

Yours faithfully

Principal

PRINCIPAL

MMK & SDM Mahila Mahavidyalaya

MMK & SDM MAHILA MAHAVIDYALAYA, MYSORE

DEPARTMENT OF MATHEMATICS

ONE DAY NATIONAL LEVEL WEBINAR ON

"APPLICATION OF MATHEMATICS"

[illegible]

The Department of Mathematics has organized National Level Webinar on "Application of Mathematics" on 26-12-2020 at 10.30 A.M. and **Mr. Malegaonkar Swapnil Deepak,** [illegible] Fellow (PhD), Department of Mathematics, SRM University, Andhra Pradesh, will be the resource person. We humbly request the entire faculty to take active participation. The faculty of Physics, Chemistry, Electronics and B.Sc Computer Science are requested to suspend their classes from 10.30A.M. -12.30.P.M.

Principal

PRINCIPAL
MMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysuru-570004

II OM SHRI MANJUNATHAYA NAMAHA II

M.M.K.

&

[illegible]THALA MANJUNATHESHWARA MAHILA MAHAVIDYALAYA

(Affiliated to University of Mysuru)

Krishnamurthypuram, Mysuru - 570 004

[illegible] - 2330039 Mob. : 9886166750 Off. : 0821 - 2332865 Fax : 0821 - 2331431

www.sdmmmkmysore.in

Email: principal@sdmmmkmysore.in, sai_malligemadu@sdmmmkmysore.in

(Managed by : **SDME Society (R.), Ujire**)

PRESIDENT: **Dr. D. VEERENDRA HEGGADE,** Shri Kshetra Dharmasthala

[illegible]

Office of the Principa

Ref. No.: MMK & SDM / MMV / 300 / 2020 2021

Date : 26/12/2020

[illegible]

[illegible] Swapnil Deepak

[illegible] Fellow (PhD)

[illegible] of Mathematics

[illegible] University, Andhrapradesh.

[illegible]

[illegible] thankful to you, for your gracious presence as the Resource Person [illegible] **"National Level Webinar"** on the topic **"Application of Mathematics"** [illegible] Department of Mathematics on 26th December 2020. Our participants were [illegible] your lecture.

[illegible] for having associated with us and looking forward for your co-operation in [illegible] in future as well.

[illegible]

Yours faithfully

Principal

PRINCIPAL
MMK & SDM Mahila Mahavidyalaya
Krishnamurthypuram, Mysore-570 004

|| OM SHRI MANJUNATHAYA NAMAHA ||

Mysore Makkala Koota &

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principal@sdmmmkmysore.in, sai_malligemadu@sdmmmkmysore.in

(Managed by : **SDME Society (R.), Ujire**)

PRESIDENT : Dr. D. VEERENDRA HEGGADE, Shri Kshetra Dharmasthala

Office of the Principal

Ref. No.: MMK & SDM / MMV / 299 / 2020 2021

Date : 26/12/2020

One Day National Level Webinar
Certificate

This is to certify that Mr. **MALEGAONKAR SWAPNIL DEEPAK, Junior Research Fellow (Ph.D) Department of Mathematics, SRM University,** Sonepat, Haryana has delivered a talk on the topic **"Application of Mathematics"** on **26.12.2020** as a resource person for one day **"National Level webinar"** and it was organized by the Department of **Mathematics** during the year **2020 – 2021.**

Head of the Department

Department of Mathematics
MMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysuru-570004

Principal

PRINCIPAL
MMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysuru-570004

Shri Dharmasthala Manjunatheshwara Mahila Maha Vidyalaya

Krishnamurthypuram, Mysore

Managed by SDM Society ®, Ujire

President: Padmavibhushana Pooja Dr. D. Veerendra Heggade

Vision: "Empowerment of Women to build enlightened Society"

Certificate of Participation

This is to certify that ..... of .....

has successfully participated in the One Day National level Webinar on "Application of Mathematics" held on 26th December 2020 organized by the Department of Mathematics in association with Internal Quality Assurance Cell (IQAC) of the College.

Sumithra. G.R.

Smt G R Sumithra

Prof. Sainath Malligemadu

National level webinar on "Applications of Mathematics" held on 29/12/2021: list of participants

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2/26/2020 12:08:38	sindhumgowda225@	Sindhumgowda225@	Sindhu m	Govt. First grade coll	student	4	Nice program, thank you		1h5GlSBsZPRVOXSr	https://docs.google	e certificate of Mathe Document successfully created; Documen
2/26/2020 12:09:41	abhijnakedilaya@gm	abhijnakedilaya@gm	Abhijna R Kedilaya	MMK & SDM Mahila I	student	5	No	Option 1	1L2UNptnerrfQeqcqE	https://docs.google	e certificate of Mathe Document successfully created; Documen
2/26/2020 12:09:55	vyshnavivysh559@gr	Niharika M.S	Niharika M.S	MMK AND SDM Mah	student	5	It was a good experience. By participating i		1VBWEo5PfPd6iZKz	https://docs.google	e certificate of Mathe Document successfully created; Documen
2/26/2020 12:10:03	gnivetha2001@gmail	gnivetha2001@gmail	Ms G.Nivetha	MMK And SDM Mahil	student	4	-		1KHaat_Tj_GwKN_T	https://docs.google	e certificate of Mathe Document successfully created; Documen

National level webinar on "Applications of Mathematics" held on [illegible]: list of participants

nestamp	Email Address	EMAIL ID	Full name (with Salut	Institution	Designatio	how w	any suggestions		Merged Doc ID - e	Merged Doc URL	Link to merged Doc	Document Merge Status - e certificate
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/26/2020 12:17:16	anikagowdadivya@g	Good	Ms. Divyashree S	Govt. First grade coll	student	4	Nothing		1NiLKXJ_NBgcOjveE	https://docs.googl	e certificate of Mathe	Document successfully created; Documen
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/26/2020 12:26:42	nikkimomina@gmail.	nikkimomina@gmail.	Ms Nikhath momina	SDM and mmk colleg	student	5	Very informative		1cQcX8Zr7gKRsr_O	https://docs.googl	e certificate of Mathe	Document successfully created; Documen
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/26/2020 12:29:11	manjurnayaka@gmai	manjurnayaka@gmai	Mr.Manju R Nayaka	SSKC P.U college,K.I	Lecture	5	Very informative sess	Option 1	1Ig4XgkDuyb2-iz-LvL	https://docs.googl	e certificate of Mathe	Document successfully created; Documen
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National level webinar on "Applications of Mathematics" held on [illegible] : list of participants

Timestamp	Email Address	EMAIL ID	Full name (with Salut	Institution	Designatio	how	any suggestions		Merged Doc ID - a c	Merged Doc URL	Link to merged Doc	Document Merge Status - a certificate
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2/26/2020 13:41:05	rojasmadival@gmail.	rojasmadival@gmail.	Roja s madival	Govt first grade clg f	student	5	Very useful cls	Option 1	1ZYd_xuDaxvPlex2	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 13:41:21	ravi.mpreeti1962@gn	Ravi.mpreeti1962@g	Preethi m r	SDM CLG MYSURU	student	5	No		1WsjjQhpYYMJ_LP2	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 13:42:38	kchaithanya257@gm	Chaithanya	Ms.chaithanya.k	Mmk and sdm	student	5	Nice		1Qg3ZGkb-tewzlw3t(	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 13:47:31	rakshithamanjunath7(	rakshithamanjunath7(	Ms. Rakshitha. M	Mmk and sdm mahila	student	4	No suggestions		1lmmnod3MKArb4dh	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 13:50:56	thejaswiniks24@gma	thejaswiniks24@gma	Ms Thejaswini K S	MMK and SDM MMV	student	5	No suggestion		1Xtgyc_oh6kW5seLd	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 13:52:02	bsdeeksha417@gma	bsdeeksha417@gma	Deeksha.B.S	MMK & SDM MMV c	student	4	No		16PmI_LGr37SbHJ0(	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 13:52:50	poojanswamy1@gma	Poojanswamy1@gm	Pooja N Swamy	MMK &SDM women'	student	4	Good	Option 1	1dMZ7k7FOKKnjMFF	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 13:55:02	acchu0222@gmail.cc	acchu0222@gmail.cc	Archana R	Government Frist gra	student	5	No		1nZGeHnKwTMriwS(	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 13:56:48	ramya@sdmmmkmys	ramya@sdmmmkmys	Ramya.S.K	MMK & SDM Mahila I	Faculty	5	Informative Webinar		1lUvcC7eIWlyrzR46-	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 14:21:30	anusharevannabhagy	anusharevannabhagy	Ms Anusha.R	MMK SDM GIRLS C(	student	5	No suggestions		1aK7fea8FTi5pYw_b	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 14:28:04	aishwaryaaishu0766(	aishwaryaaishu0766(	Ms.Aishwarya L	SDM AND MMK Mah	student	5	It's good		1s2rKcDj2GyQSM1U	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 14:32:50	roopaloveyou143@e	Roopaloveyou143@e	N.Roopa	Mysuru university	student	1	No commentes		1wF_DD5BzE1bukPs	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 14:50:37	preethiii1357@gmail.	preethiii1357@gmail.	Ms. Preethi	MMK and SDM	student	5	Nothing	Option 1	1v6Yk_X5yvhpDaRo	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 14:54:02	divyashreems111@g	Divyashreems111@g	Ms. Divyashree M S	Govt. First grade coll	student	4	Nothing		1jI8CZqG31laZEroN	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 15:02:25	profprakasha@gmail.	profprakasha@gmail.	Mr.PRAKASHA .P	Government College	Faculty	5	non	Option 1	11ePj0HvddJj33fqDk	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 15:04:13	preethibm514@gmail	preethibm514@gmail	Ms. Preethi BM	Mmk and sdm mahila	student	5	It is very use full thank you		19gk3wD8GflPYDdz	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 15:10:18	bhavanic4862@gmal	Bhavanic4862@gmai	Bhavani c	Mmk&sdm	student	5	No suggestion		1Wf0Eu1JeYYlXwpb	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 15:36:04	swetha29.2002@gm	swetha29.2002@gm	Shwetha G	Mmk and SDM mmv	student	5	No suggestions		1LhYRTO1-d4OSg8(	https://docs.googl	e certificate of Mather	Document successfully created; Documen

National level webinar on "Applications of Mathematics" held on [illegible] : list of participants

Timestamp	Email Address	EMAIL ID	Full name (with salut	Institution	Designatio	how	any suggestions		Merged Doc ID - e c	Merged Doc URL	Link to merged Doc	Document Merge Status - e certificate
2/26/2020 16:06:38	rajitha@sdmmmkmys	rajitha@sdmmmkmys	Smt. Rajitha V	MMK and SDM MMV	Faculty	5	Very informative	Option 1	1SjNjM4yINFoP85t	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 16:56:26	gayathri.r@sdmmmk	gayathri.r@sdmmmk	Ms.Gayathri.R	MMK and SDM MMV	Faculty	5	Informative session	Option 1	16yy8GCaW8-NaUei	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 17:26:44	mpnayanasdm@gma	mpnayanasdm@gma	Ms Nayana M P	MMK & SDM MMV, M	Faculty	5	Good session	Option 1	1wo_lAxr7QLhMK3W	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 17:29:19	srushtihc99@gmail.c	srushtihc99@gmail.c	Ms. Srushti H C	University of Mysore	Old studer	5	Very informative sess	Option 1	1QbiH6E8VHH_5aJK	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 17:51:33	jyothibsankanoor@gr	Jyothibsankanoor@g	Ms.Jyothi pujari	Government first grac	student	2	No		18725hzuuou91QEO	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 18:11:04	apoorvasapoorvas44	Apoorvasapoorvas44	Ms Apoorva.S	SDM AND MMK	student	4	Nothing	Option 1	1hyoEBdX_tB5pM6zI	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 18:34:37	nayaknayana131@gr	nayaknayana131@gr	SANGEETHA N	MMK & SDM COLLE	student	5	No		1HX9xRry3PW1Pn8-	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 18:42:13	manasaap30@gmail.	manasaap30@gmail.	Manasa A P	Mahajana first grade	Faculty	5	We need more explai	Option 1	12EzsYqampXMB_8[	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 19:44:56	19111@sdmmmkmys	19111@sdmmmkmys	Megha anand 2nd bs	SDM mmk mysore	student	4	No suggestions	Option 1	1X7Y61os4tXykOEM	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 20:41:54	shobhakvshobha664	shobhakvshobha664	Harahini H.M	Mmk and sdm college	student	5	Nice		1JoJYCQXSMxkQR7	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/26/2020 22:37:51	lakshmimlucky15@gr	Lakluck1213	Lakshmi M	Government first grac	student	5	No suggestions		1JwYCDDjRPxX3QM	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/27/2020 8:41:51	nrajniharika@gmail.c	nrajniharika@gmail.c	Ms.Niharika.N..Raj	Mmk and sdm mahila	student	5	Everything is good	Option 1	1Wk9KjCNXvQGIG_	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/27/2020 18:15:06	suchithran096@gmai	suchithran096@gmai	Ms suchithra K N	MMK AND SDM MAH	student	5	Nothing	Option 1	1NSrVS9n0jtY0DMZ	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/27/2020 20:42:58	lavanya.m142000@g	lavanya.m142000@g	Lavanya.M	MMK AND SDM COL	student	5	No suggestions		1VMKFITgmNSFkE-r	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/28/2020 1:52:43	mamatha.j749@gmai	mamatha.j749@gmai	Prof. Mamatha J	Govt. First Grade Col	Asst. Profe	5	Please keep arranging these kind of webina		1ZQf2zx4bra-xef8av(	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/28/2020 8:41:45	Rajeshwariboyar549(	Rajeshwariboyar549(	Rajeshwari B M	MMK & SDM COLLE	student	5	It was very good program		1wWAAU4U02PyijUE	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/28/2020 8:47:22	harshikabhumika@gr	harshikabhumika@gr	Harshika U	MMK and SDM Mahil	student	5	Nothing		1OmMFtjQw0k-f-aMx	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/28/2020 8:52:26	chayasuresh06@gm	chayasuresh06@gm	Chaya kumari R	MMK and SDM mahil	student	5	Nothing	Option 1	1pwg7-gh83h1YhLfy	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/28/2020 9:04:21	varshadilip35@gmail.	varshadilip35@gmail.	Varsha.D	Shri Dharmasthala M	student	5	Nothing	Option 1	1S23TpAKPa_ShWel	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/28/2020 9:10:40	maheshmahesh8441	Maheshmahesh8441	Smitha M	MMK SDM Mahila m	student	3	It is good	Option 1	1rWFHp8JvKqGtqVfi	https://docs.googl	e certificate of Mather	Document successfully created; Documen
2/28/2020 9:38:21	mahalakshmin961@	mahalakshmin961@	Ms.Mahalakshmi.N	Govt. First Grade Col	student	3	Decrease murmuring	Option 1	1aOfvBIN3Xes-PyJEr	https://docs.googl	e certificate of Mather	Document successfully created; Documen
28/2020 10:07:59	nl208332@gmail.com	nl208332@gmail.com	LAKSHMI N	MMK And SDM MAH	student	5	Nothing		1vtzD9tO_F65K1NJq	https://docs.googl	e certificate of Mather	Document successfully created; Documen
28/2020 10:43:38	prakruthinayak89@g	prakruthinayak89@g	Prakruthi. H. S	Government First Gr	student	5	No		1W1A7j27gZvX0Bnv	https://docs.googl	e certificate of Mather	Document successfully created; Documen
28/2020 11:54:28	sushmitharajgr@gma	sushmitharajgr@gma	Sushmitha.G.R	Government first grac	student	3	Noo		1_STL7W6lzTEFwuL	https://docs.googl	e certificate of Mather	Document successfully created; Documen
28/2020 13:24:52	yashodaharishkumar	Yashoda. N	Divyashree. M. H	MMK and SDM MMV	student	5	It was a good and useful webinar...		1oE7E_EDBMHeoW(	https://docs.googl	e certificate of Mather	Document successfully created; Documen
28/2020 16:45:55	gayathri10421@gmai	gayathri10421@gmai	Gayathri.c	MMK and SDM Colle	student	5	No	Option 1	1efltFTpFHQZqM_Ir	https://docs.googl	e certificate of Mather	Document successfully created; Documen
28/2020 16:53:20	deepikarameshgowd	deepika.r7676	Deepika.R	Government First Gra	student	4	Tankyou for made this session and it's very interested" and done it very well		1lmxHF0QVF6lViSSt	https://docs.googl	e certificate of Mather	Document successfully created; Documen
28/2020 16:57:18	manasa.nk24@gmail	Manasa.nk24@gmai	Manasa NK	MMK AND SDM colle	student	5	No		1vvWku9Qh4OofOTe	https://docs.googl	e certificate of Mather	Document successfully created; Documen
28/2020 17:03:28	lokeshanu244@gmai	lokeshanu244@gmai	Anusha L	Govt first grade colle	student	5	No	Option 1	1Wft5PyDJVU-Vgb8p	https://docs.googl	e certificate of Mather	Document successfully created; Documen
28/2020 17:12:42	arjunvs29091998@g	archanavs459@gmai	Archana v s	Governament first gra	student	5	The webinar is very good		1BVQwghVupR05jU_	https://docs.googl	e certificate of Mather	Document successfully created; Documen
28/2020 20:06:39	anushreea593@gmai	anushreea593@gma	Anushree B M	Government College	Research	3	Use full	Option 1	1RTfAwM_csix8hqZ-(	https://docs.googl	e certificate of Mather	Document successfully created; Documen
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/29/2020 0:14:46	ammusanjanachi@gr	Ammu chintu	Sanjana R	1st grade govt college	student	5	Nothing		127Rbv3vP-QaD8wsi	https://docs.googl	e certificate of Mather	Document successfully created; Documen
/29/2020 6:36:19	anuyashu2001@gma	anuyashu2001@gma	Yashodha S M	Govt first grade wom	student	4	No webinar is good	Option 1	1H82XN4hMYdHQm	https://docs.googl	e certificate of Mather	Document successfully created; Documen
/29/2020 6:51:27	bhumikabhumika488(	bhumikabhumika488(	Bhumika	Government	student	5	This is very helpful for students and very ni		10RDjZlHdwq6unhig	https://docs.googl	e certificate of Mather	Document successfully created; Documen
/29/2020 7:03:48	nimyavj1729@email.	nimyavj1729@email.	Nimiya Vj	Gov't.first grade colle	student	5	Nothing	Option 1	1GErgtjTJUL9ugm4b	https://docs.googl	e certificate of Mather	Document successfully created; Documen
/29/2020 7:16:15	chinnu6678@gmail.c	chinnu6678@gmail.c	SUNDARAMMA P	Government first grac	student	5	It is a satisfied webin	Option 1	15pHiwgZ-wj4KnqQ7	https://docs.googl	e certificate of Mather	Document successfully created; Documen
/29/2020 7:18:41	priyankapriyanka633	priyankapriyanka633	PRIYANKA C L	Govt.first grade colleg	student	3	No suggestions		18YNYXk3UlrJs2xpA	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 7:24:47	meghanameghana72	meghanameghana72	Meghana.B	Govt women's first gr	student	3	No		1pdjr-k_YX2x7lZ11n_	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 7:30:46	arpithamk66@gemail	arpithamk66@gemail	Arpitha mk	Govt. First grade coll	student	4	Good		1ErMvF_Y8E6ktK_q	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 7:46:37	kummikumarsks@gr	kummikumarsks@gr	Shambhavi k	Govt . First grade coll	student	4	Good		1d1yOKMKe4_cW4Y	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 7:54:52	pallavimarappa18@g	Pallavimarappa18@g	Pallavi M	Government college f	student	5	No	Option 1	1brlZmKvzZC-_Wk0L	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 8:03:06	harshithachinnu1412	harshithachinnu1412	Ms harshitha M U	Govt first grade colle	student	5	Nice	Option 1	16WlReRWVbcANPC	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 8:03:44	menasavs24@gmail.	manasavs24@gmail.	Manasa v s	Government first grac	student	5	Helpful for students		1tDSss9QwnNztHqZ	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 8:07:10	mohammadimadeeha	mohammadimadeeha	Mohammadi Madeeh	Government women's	student	5	Nil	Option 1	112doYXCVa9Nbo5J	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 8:18:49	keerthanamkeerthana	keerthanamkeerthana	M keerthana	Government first grac	student	5	Pls send me a certificate as faster		1_T39kSRv0KFvor8E	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 8:19:59	praphullakumarkr123	Pavithra K R	Pavithra K R	Mysore	Student	5	Good		164G0KvkW0U1Ob6	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 8:33:23	puttegowda215@gm	puttegowda215@gm	Yamini p	Govt first grade colleg	student	5	I'm happy to collect tl	Option 1	1g3wA7KPia65xMJai	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 8:35:31	premagowda2525@g	premagowda2525@g	Prema R	Govt. First Grade Col	student	4	Thank you...		1VbBDdnQgmuboiq0	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 8:57:48	9663660032s@gmail	9663660032s@gmail	Mrs Suhasini mallikar	Govt First Grade Coll	student	5	Nothing	Option 1	15dR2HOkjiLJRL-vM	https://docs.googl	e certificate of Mather	Document successfully created; Documen
29/2020 9:01:52	sandhyasandy16032(	sandhya ramprasad	R Sandhya	GWFGC, VIJAYANAG	student	5	Good		1Cr3TaXh49vLR7J-F	https://docs.googl	e certificate of Mather	Document successfully created; Documen
9/2020 9:20:25	tabassumbanu.8197(	tabassumbanu.8197(	Ms. Tabassum Banu	Govt. First grade coll	student	5	No		1DytddH4GeDkSCFJ	https://docs.googl	e certificate of Mather	Document successfully created; Documen

National level webinar on "Applications of Mathematics" held on [illegible] list of participants

Timestamp	Email Address	EMAIL ID:	Full name (with Salut	Institution	Designatio	how w	any suggestions		Merged Doc ID : a c	Merged Doc URL: Link to merged Doc	Document Merge Status : a certificate
12/29/2020 9:41:42	lavanya.hs2001@gm	lavanya.hs2001@gm	Lavanya. H S	Govt. First grade colle	student	4	No		1bkmJGhrbHKbW1c	https://docs.googl e certificate of Mathe	Document successfully created; Documen
12/29/2020 9:47:17	pooja132000132000	Pooja132000132000	Pooja C	Government first grac	student	4	No		1GUYvwTkMylO1ITT	https://docs.googl e certificate of Mathe	Document successfully created; Documen
12/29/2020 9:53:24	meghanammeghanar	meghanammeghanar	Meghana m	Govt first grade colle	student	5	No	Option 1	1wlyOEq1NJsGYI-C\	https://docs.googl e certificate of Mathe	Document successfully created; Documen
12/29/2020 10:11:46	shruthiyogaraj26@gn	Shruthiyogaraj26@gr	Shruthi L A	Govt first grade colle	student	4	No		14DqtdLOrKchFZX5/	https://docs.googl e certificate of Mathe	Document successfully created; Documen
2/29/2020 10:16:58	kamakshibeeresh@g	Kamakshibeeresh@g	Kamakshi hc	Govt first grade colle	student	5	No		1uQAznUH8arhf88rP	https://docs.googl e certificate of Mathe	Document successfully created; Documen
2/29/2020 10:29:41	manasamanasa6362	manasamanasa6362	Manasa.M	Govt first grade wom	Doctor	4	It was fantastic	Option 1	1kMGYdluGBamhwpl	https://docs.googl e certificate of Mathe	Document successfully created; Documen
2/29/2020 10:44:27	sahanadj@gmail.com	sahanadj@gmail.can	Sahana DJ	Government First Gra	student	1	Good	Option 1	1opWcKFy3cuMYbpf	https://docs.googl e certificate of Mathe	Document successfully created; Documen
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2/29/2020 11:00:12	varshithasuresh1@gr	varshithasuresh1@gr	Varshitha Y s	Govt womens first gra	student	5	Good	Option 1	1MPzksxa3Pz9KsxJ	https://docs.googl e certificate of Mathe	Document successfully created; Documen
2/29/2020 11:06:01	sahanadj11@gmail.c	Sahanadj11@gmail.c	Sahana DJ	Government First G	student	1	Good	Option 1	1qK3HAY1GPwVyzC	https://docs.googl e certificate of Mathe	Document successfully created; Documen
2/29/2020 14:35:52	mohammadimisbahs	mohammadimisbahs	MOHAMMADI MADE	Government women's	student	5	Very informative	Option 1	1hy1A_royV17U8EZF	https://docs.googl e certificate of Mathe	Document successfully created; Documen
2/29/2020 15:06:06	shilpagowda3428@g	Shilpagowda3428@g	Shilparani B A	Govt first grade whon	student	5	No		1-L_PXorRmfHDX4kI	https://docs.googl e certificate of Mathe	Document successfully created; Documen
2/29/2020 17:02:33	veenamanjunath1854	veenamanjunath1854	Veena R M	SDM & MMK Mysore	student	5	No suggestions		1dEHEUm05Hc7W1r	https://docs.googl e certificate of Mathe	Document successfully created; Documen
2/29/2020 17:03:30	devamanibmdevama	devamanibmdevama	Devamani BM	MMK-SDM mahila ma	student	4	Good		1VZeXyRjfczTWSF_	https://docs.googl e certificate of Mathe	Document successfully created; Documen
2/30/2020 12:12:59	18517@sdmmmkmys	18517@sdmmmkmys	Ms. Hemashree M	MMK & SDM MMV M	student	5	The session was very	Option 1	1UpFR4yQcFglgnls4I	https://docs.googl e certificate of Mathe	Document successfully created; Documen
2/30/2020 12:40:23	apeksha.d.s2002@gr	apeksha.d.s2002@gr	Apeksha d s	SDM mmk mysore	student	4	No		1EcgajJOH1klmJU2Y	https://docs.googl e certificate of Mathe	Document successfully created; Documen
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1/1/2021 21:52:59	ssm68700@gmail.co	ssm68700@gmail.co	Sonu SM	Govt .first grade colle	student	1	It's good	Option 1	1Mh_cE5WHn-ZnlXC	https://docs.googl e certificate of Mathe	Document successfully created; Documen

PRINCIPAL
MMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysuru-570004

MMK & SDM MAHILA MAHA VIDYALAYA, MYSORE

Department of Mathematics

Webinars Organised in the Year 2020-21

DATE: 30/12/2020

PROGRAMME: University level webinar

TOPIC: "Ramanujan's life and his elementary works"

OBJECTIVES: To spread awareness on the life and work of Srinivasa Ramanujan among students and faculty.

RESOURCE PERSON: Dr.Guruprasad.P.S, Assistant Professor, Department of Mathematics, Govt.First Grade College, Chamarajanagar

Resource Person
Dr.Guruprasad.P.S

SESSION DISCUSSION: Srinivasa Ramanujan (born Srinivasa Ramanujan Aiyangar, IPA: 22 December 1887 – 26 April 1920) was an Indian mathematician who lived during the British Rule in India. Though he had almost no formal training in pure mathematics, he made substantial contributions to mathematical analysis, number theory, infinite series, and continued fractions, including solutions to mathematical problems then considered unsolvable.

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Krishnamurthypuram, Mysuru-570004

Ramanujan initially developed his own mathematical research
according to Hans Eysenck: "He tried to interest the leading professional mathematicians in his work, but failed for the most part. What he had to show them was too novel, too unfamiliar, and additionally presented in unusual ways; they could not be bothered". Seeking mathematicians who could better understand his work, in 1913 he began a postal correspondence with the English mathematician G. H. Hardy at the University of Cambridge, England.

Recognizing Ramanujan's work as extraordinary, Hardy arranged for him to travel to Cambridge. In his notes, Hardy commented that Ramanujan had produced groundbreaking new theorems, including some that "defeated me completely; I had never seen anything in the least like them before", and some recently proven but highly advanced results.

With Aiyer's help, Ramanujan had his work published in the Journal of the Indian Mathematical Society. One of the first problems he posed in the journal was to find the value of:

$$\sqrt{1+2\sqrt{1+3\sqrt{1+\cdots}}}.$$

He waited for a solution to be offered in three issues, over six months, but failed to receive any. At the end, Ramanujan supplied the solution to the problem himself. On page 105 of his first notebook, he formulated an equation that could be used to solve the infinitely nested radicals problem.

$$x+n+a=\sqrt{ax+(n+a)^2+x\sqrt{a(x+n)+(n+a)^2+(x+n)\sqrt{\cdots}}}$$

Using this equation, the answer to the question posed in the Journal was simply 3, obtained by setting $x = 2$, $n = 1$, and $a = 0$. Ramanujan wrote his first formal paper for the Journal on the properties of Bernoulli numbers. One property he discovered was that the denominators (sequence A027642 in the OEIS) of the fractions of Bernoulli numbers are always divisible by six. He also devised a method of calculating B_n based on previous Bernoulli numbers. One of these methods follows:

It will be observed that if n is even but not equal to zero,

1. B_n is a fraction and the numerator of B_n/n in its lowest terms is a prime number,
2. the denominator of B_n contains each of the factors 2 and 3 once and only once,
3. $2^n(2^n - 1)B_n/n$ is an integer and $2(2^n - 1)B_n$ consequently is an odd integer.

The first two professors, H. F. Baker and E. W. Hobson, returned Ramanujan's papers without comment. On 16 January 1913, Ramanujan wrote to G. H. Hardy. Coming from an unknown mathematician, the nine pages of mathematics made Hardy initially view Ramanujan's manuscripts as a possible fraud. Hardy recognized some of Ramanujan's formulae but others "seemed scarcely possible to believe".

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One of the theorems Hardy found amazing was on the bottom of page three (valid for 0 < a < b + 1/2):

$$\int_0^\infty \frac{1+\frac{x^2}{(b+1)^2}}{1+\frac{x^2}{a^2}} \times \frac{1+\frac{x^2}{(b+2)^2}}{1+\frac{x^2}{(a+1)^2}} \times \cdots dx = \frac{\sqrt{\pi}}{2} \times \frac{\Gamma\left(a+\frac{1}{2}\right)\Gamma(b+1)\Gamma(b-a+1)}{\Gamma(a)\Gamma\left(b+\frac{1}{2}\right)\Gamma\left(b-a+\frac{1}{2}\right)}.$$

Hardy was also impressed by some of Ramanujan's other work relating to infinite series:

$$1 - 5\left(\frac{1}{2}\right)^3 + 9\left(\frac{1\times 3}{2\times 4}\right)^3 - 13\left(\frac{1\times 3\times 5}{2\times 4\times 6}\right)^3 + \cdots = \frac{2}{\pi}$$

Ramanujan was plagued by health problems throughout his life. His health worsened in England; possibly he was also less resilient due to the difficulty of keeping to the strict dietary requirements of his religion there and because of wartime rationing in 1914–18. He was diagnosed with tuberculosis and a severe vitamin deficiency, and confined to a sanatorium. In 1919 he returned to Kumbakonam, Madras Presidency, and in 1920 he died at the age of 32. After his death his brother Tirunarayanan compiled Ramanujan's remaining handwritten notes, consisting of formulae on singular moduli, hypergeometric series and continued fractions.

Ramanujan's widow, Smt. Janaki Ammal, moved to Bombay; in 1931 she returned to Madras and settled in Triplicane, where she supported herself on a pension from Madras University and income from tailoring. In 1950 she adopted a son, W. Narayanan, who eventually became an officer of the State Bank of India and raised a family. In her later years she was granted a lifetime pension from Ramanujan's former employer, the Madras Port Trust, and pensions from, among others, the Indian National Science Academy and the state governments of Tamil Nadu, Andhra Pradesh and West Bengal. She continued to cherish Ramanujan's memory, and was active in efforts to increase his public recognition; prominent mathematicians, including George Andrews, Bruce C. Berndt and Béla Bollobás made it a point to visit her while in India. She died at her Triplicane residence in 1994.

A 1994 analysis of Ramanujan's medical records and symptoms by Dr. D. A. B. Young concluded that his medical symptoms—including his past relapses, fevers, and hepatic conditions—were much closer to those resulting from hepatic amoebiasis, an illness then widespread in Madras, than tuberculosis. He had two episodes of dysentery before he left India. When not properly treated, amoebic dysentery can lie dormant for years and lead to hepatic amoebiasis, whose diagnosis was not then well established. At the time, if properly diagnosed, amoebiasis was a treatable and often curable disease; British soldiers who contracted it during the First World War were being successfully cured of amoebiasis around the time Ramanujan left England.

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BENIFICIARIES: Students and Faculties.

NUMBER OF PARTICIPANTS: 101

OUTCOME: Participants were able to know about the life of Ramanujan and his contribution towards q-series, theta functions, Hardy Ramanujan's Magic number etc...

CONCLUSION: The knowledge gained from the life and work of Srinivasa Ramanujan is an inspiration to carry out Mathematical Research Projects in future.

Organizers

Faculty, Department of Mathematics.

HOD
HEAD OF THE DEPARTMENT
Department of Mathematics
MMK & SDM Mahila Maha Vidyalaya
K.M Puram, MYSURU - 570004

PRINCIPAL
PRINCIPAL
MMK & SDM Mahila Mahavidyalaya
Krishnamurthypuram, Mysore-570 004

Date: 10/12/2020

From
Department of Mathematics
MMK & SDM Mahila Maha Vidyalaya, Mysore

To
The Principal
MMK & SDM Mahila Maha Vidyalaya, Mysore

Respected Sir,

Sub – Proposal for organizing One Day University Level Webinar on **"Ramanujan's Life and His Elementary Works"**- permission sought for- regarding.

With reference to above, we write to state that we wish to conduct One Day **University Level Webinar on "Ramanujan's Life and His Elementary Works"** during the month of December 2020 in our College through virtual mode for the B.Sc Degree Students with Mathematics Combination. In view of the same, kindly permit us to conduct the Webinar and also kindly sanction the remuneration of Rs.1000/- for the resource person.

Thanking you

Yours faithfully
HEAD OF THE DEPARTMENT
Department of Mathematics
MMK & SDM Mahila Maha Vidyalaya
K.M Puram, MYSURU - 570004

PRINCIPAL
MMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysuru-570004

Prof. Sainath Mangemaou
Principal

Convener
Ms. Gayathri R
HOD of Mathematics

Co-Convener
Mrs. Chaitra N
Asst. Professor
Mrs. Vidhya P V
Asst. Professor

IQAC Coordinator
Smt. G.R. Sumithra
HOD of Electronics

No Registration fee.

Contact:
Ph:0821-2332865
College Website:
http://www.sdmnmkmysore.in

Department of Mathematics

in association with Internal Quality Assurance Cell(IQAC)
Organizes
ONE DAY UNIVERSITY LEVEL WEBINAR
on
RAMANUJAN'S LIFE AND HIS ELEMENTARY WORKS

DATE -30/12/2020
TIME -10:30AM

Resource Person :
Dr. Guruprasad.P.S
Assistant Professor
Department of Mathematics
Govt. First Grade College,
Chamarajanagar, Karnataka

LINKS
Registration Link - https://forms.gle/8jcFabGfq8zCkKs7A
PLATFORM :
YouTube Link - https://youtu.be/2xRvK3L8cWE
Google Meet Link - https://meet.google.com/btt-dgzc-zwb

Note : E- Certificates will be issued to all the participants

II OM SHRI MANJUNATHAYA NAMAHA II

Mysore Makkala Koota &

SHRI DHARMASTHALA MANJUNATHESHWARA MAHILA MAHAVIDYALAYA

(Affiliated to University of Mysuru)

Krishnamurthypuram, Mysuru - 570 004

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(Managed by : **SDME Society (R.), Ujire)**

PRESIDENT : **Dr. D. VEERENDRA HEGGADE,** Shri Kshetra Dharmasthala

Prof. Sainath Malligemadu
Principal

Office of the Principal

Ref. No.: MMK & SDM / MMV / 316 / 2020 2021

Date : 28/12/2020

To

Dr. Guruprasad.P.S

Assistant Professor

Department of Mathematics

Govt. First Grade College,

Chamarajanagar.

Dear Sir,

Sub: Invitation-as Resource Person.

MMK & SDM Mahila Mahavidyalaya, established in the year 1990 is a Pioneering College in the field of Women's Education and Empowerment. Our President Padma Vibhushana awardee Poojya Dr.D.Veerendra Heggade's name instantly brings in a stamp of integrity & quality. Our Institution has been striving to attain all round excellence and to impart quality Education along with ethical and cultural awareness to students of all strata of society under the dynamic guidance of Poojya Heggadeji.

We are cordially inviting you as a resource person for the one day **University level webinar** through virtual mode on the topic **"Ramanujan's Life and His Elementary Works"** organized by Department of Mathematics on 30th December 2020 at 10.30am.

Kindly accept our invitation. Looking forward to your kind response.

With regards,

Yours sincerely

Principal

PRINCIPAL
MMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysuru-570004

MMK & SDM MAHILA MAHAVIDYALAYA, MYSORE

DEPARTMENT OF MATHEMATICS

ONE DAY UNIVERSITY LEVEL WEBINAR ON

"RAMANUJAN'S LIFE AND HIS ELEMENTARY WORKS"

Date: 28-12-2020

The Department of Mathematics (is organizing) has organized University Level Webinar on the topic "Ramanujan's Life and His Elementary Works" on 30-12-2020 at 10.30 A.M. and **Dr.Guruprasad.P.S.** Assistant Professor, Department of Mathematics, Govt. First Grade College. Chamarajanagar, will be the resource person. We humbly request the entire faculty to take active participation. The faculty of Physics, Chemistry, Electronics and B.Sc Computer Science are requested to suspend their classes from 10.30A.M. - 12.30.P.M.

HOD

Principal

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