A One Day State Level Workshop and Symposium

on

Discovering the Beauty in Mathematics

Under the Theme "Mathematics for All"

In Celebration of National Mathematics Day, 2018

Sponsored by WBSCST and supported by NCSTC, DST, GoI

Srinivasa Ramanujan
1887 - 1920

Organized by

Department of Mathematics

Ramsaday College

Amta-711401, Howrah

West Bengal, India

March 06, 2019

Objective of the workshop:

The most of the present generation students of Mathematics are learning the subject as subjective basis with the objective to get huge marks but without discovering the art or the beauty of the subject. Thus this type of learning curtains the advancement of Mathematics. On the other hand, Srinivasa Ramanujan, born in 22nd December, 1887 in Chennai (the then Madras), India, despite having no formal education in Mathematics made a significant contributions towards the advancement of Mathematics. It should further be noted that, to memorize his contributions on the subject, 22nd December of each year has been observed as 'National Mathematics Day' in India. For this perspective, the proposed workshop aims to celebrate 'National Mathematics Day 2018' under the theme 'Mathematics for All' (symbolically 'MATHEMATICS $\forall$') to discover the hidden beauty in the subject.

About the College:

Ramsaday College (a NAAC re-accredited college with grade B+) is one of the oldest colleges in the district of Howrah under the University of Calcutta with the vision to make it a centre of excellence and an educational institution of national level. Although it is located in Amta, a semi-rural area, the college is well connected through different bus and train routes. Apart from all conventional subjects, at present 24 UG subjects are being taught (including Anthropology, Music, Physiology, Psychology, Food and Nutrition etc.) now with more than 6,000 student strength. The regular PG course in Bengali under CU has been running successfully since last few years. Very soon the subjects like Microbiology and Journalism are going to be started in the college. The academic records, performances in various social, cultural activities, sports, NSS etc. of the college are excellent.

About the Department:

As per academic record, standard of the class teaching and student-teacher interaction cum relationship, the department of Mathematics is one of the best departments in the state. The students from various districts of the state take admission to this department to study its Honours/Major course. The department has high standard large number of alumni serving in various institutes/industries/companies of international repute.

Advisory Committee

1. Prof. K. S. Chaudhuri, Former Professor & Emeritus Fellow (UGC, AICTE), Department of Mathematics, Jadavpur University.
2. Prof. M. Maity, Retired Professor, Dept. of Mathematics, Vidyasagar University,
3. Prof. R. N. Mukherjee, Retired Professor, Dept. of Mathematics, Burdwan University.
4. Prof. Tapan Kumar Kar, Department of Mathematics, IIEST Shibpur.
5. Dr. Swapan Kumar Pandit, ISERC, Visva-Bharati
6. Dr. Subhas Khajanchi, Department of Mathematics, Presidency University.

Organizing Committee

Patron: Dr. Nirmal Maji, Hon'ble Minister, Govt. of West Bengal and President, GB, Ramsaday College
Chairman: Dr. Deb Kumar Mukherjee, Principal, Ramsaday College
Convenor: Dr. Soovoojeet Jana, Dept. of Mathematics
Members: Mr. Subrata Raychaudhuri, HoD, Dept. of Mathematics, Ramsaday College
Dr. Biswajit Pal, Dept. of Mathematics, Ramsaday College
Mr. Subhajit Kumar Ghosh, Dept. of Education, Ramsaday College
Mr. Abhoy Mondal, Dept. of Physics, Ramsaday College
Mr. Bimal Santra, Dept. of Mathematics, Ramsaday College
Mr. Santanu Mondal, Dept. of Mathematics, Ramsaday College
Mr. Swastika Das, Dept. of Mathematics, Ramsaday College

Registration:

Student Registration:	INR 50/-
Outstation student/ Research Scholar:	INR 100/-
Faculty Member:	INR 200/-

(Registration fee includes participation, Workshop Kit, Participation certificate and Food.)
Last Date: 05th March, 2019.

Contact details:

Dr. Soovoojeet Jana, Convenor (M. 9614296227)
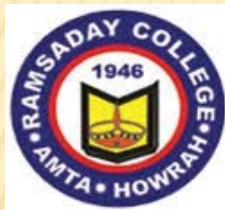Subrata Raychaudhuri, (M. 8017566508)
Dr. Biswajit Pal (M. 9836512473)

Willing person may also contact to soovoojeet@gmail.com/ mathsdeptrsc@gmail.com
N.B. Due to paucity of funds, there will be no T.A/D.A. for the participants.

Proposed Programme Schedule:

Registration: 09.30-10.00
Inaugural Session: 10:00-10.30
Invited talk 1:   10.30-11.30
Speaker: **Dr. Swarup Poria**, Associate Professor, Dept. of Applied Mathematics, Calcutta University
Tea Break: 11.30-11.40
Invited talk 2:   11:40-12:40
Speaker: **Prof. K. S. Chaudhuri**, Former Professor & Emeritus Fellow (UGC, AICTE), Department of Mathematics, Jadavpur University.
Interactions with the students and Resource persons   12:40-01:40
Lunch break   01:40-02.15
Invited talk 3: (Ramanujan Memorial Lecture)   02:15-03:15
Speaker: **Prof. Tapan Kumar Pal**, Retired Professor, Dept. of Mathematics, Vidyasagar University
Students presentation & Valedictory   03:15-04:00

RAMSADAY COLLEGE

A One Day State Level Workshop and Symposium on 'Discovering the Beauty in Mathematics'

Under the Theme "Mathematics for All", in Celebration of National Mathematics Day, 2018

(Sponsored by **WBSCST** and Supported by **NCSTC, DST**, GoI)

Dear Sir/Madam,

We are very glad to inform you that **Department of Mathematics, Ramsaday College, Amta, Howrah** is going to organize a State Level Workshop and Symposium on 'Discovering the Beauty in Mathematics' **on 6th March, 2019** to Celebrate National Mathematics Day, 2018 (sponsored by WBSCST & supported by NCSTC, DST, GoI).

We cordially invite you to participate in the Workshop. Please forward this message among your colleagues and research collaborators for a broad circulation of this event.

<table>
<tr><td>Dr. Nirmal Maji
Hon'ble Minister of State Department of Labour,
Govt. of West Bengal & President, GB, Ramsaday College</td><td>Dr. Deb Kumar Mukherjee
Principal
Ramsaday College</td></tr>
</table>

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(Sponsored by **WBSCST** and supported by **NCSTC, DST, GoI**)

Program Schedule

March 06, 2019 (Wednesday)

09.30-10.00	Registration
10-.00-10.30	Inauguration
10.30-11.30	Invited talk 1
	Speaker: **Dr. Swarup Poria**
	Associate Professor, CU
11.30-11.40	Tea Break
11.40-12.40	Invited talk 2
	Speaker: **Prof. K. S. Chaudhuri**
	Former Professor and
	Emeritus Fellow (UGC, AICTE), JU
12.40-01.40	Interactions with the students
	and Resource person
01.40-02.15	Lunch Break
02.15-03.15	Invited talk 3
	(Ramanujan Memorial Lecture)
	Speaker: **Prof. Tapan Kumar Pal**
	Former Professor, VU
03.15-04.30	Students presentation and
	Valedictory Session

Organizing Committee

Patron

Dr. Nirmal Maji
Hon'ble Minister of State Department of Labour, Govt. of West Bengal and President, GB, Ramsaday College

Chairman

Dr. Deb Kumar Mukherjee, Principal, Ramsaday College

Convenor

Dr. Soovoojeet Jana, Dept. of Mathematics, Ramsaday College

Members

Subrata Raychaudhuri, HoD, Dept. of Mathematics, Ramsaday College
Dr. Biswajit Pal, Dept. of Mathematics, Ramsaday College
Chandrayee Sengupta, Dept. of Commerce, Ramsaday College
Subhajit Kumar Ghosh, Dept. of Education, Ramsaday College
Abhoy Mondal, Dept. of Physics, Ramsaday College
Bimal Santra, Dept. of Mathematics, Ramsaday College
Santanu Mondal, Dept. of Mathematics, Ramsaday College
Swastika Das, Dept. of Mathematics, Ramsaday College

Registration

Student Registration:	INR 50/-
Outstation student/ Research Scholar:	INR 100/-
Faculty Member:	INR 200/-

(Registration fee includes participation, Workshop Kit, certificate & Food)
Last Date: 05th March, 2019.
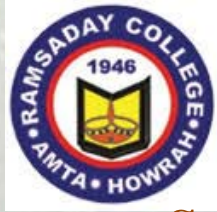
Contact details

Dr. Soovoojeet Jana, Convenor (M. 961429627)
Subrata Raychaudhuri (M. 8017566508)
Dr. Biswajit Pal (M. 9836512473)
Interested person may also contact to the e-mail ids:
soovoojeet@gmail.com/ mathsdeptrsc@gmail.com

Activity in Details:

The scheduled time for registration of the program was 9.30-10.00 AM on 6th March, 2019. The students and teachers from Ramsaday College and other colleges collected the workshop kit after registering in that time period. The whole day program was held on seminar room, Ramsaday College. The inauguration session was started at 10.00 AM and it was running till 10.30 AM. In this session, former teacher of the Dept. Dr. S. N. Ghosh; HOD of the Dept. S. Raychaudhuri; former HOD of the Dept. Dr. B. Pal and Principal of the college Dr. Deb Kumar Mukherjee have given some key notes on the theme of the workshop 'Mathematics for all.' In 10.30, the main session of the workshop started with the lecture of Dr. Swarup Poria, Associate Professor, Dept. of Applied Mathematics, Calcutta University. In his lecture, Dr. Poria have given an idea of using ordinary differential equation in not only to solve different problems in text books but also to solve many problems related to real world. After his lecture three participants of the workshop asked him some questions and they are satisfied with the answer. After a small tea break, Prof. Kripasindhu Chaudhuri, Former Professor & Emeritus Fellow (UGC, AICTE), Department of Mathematics, Jadavpur University started his lecture on 11.40 a.m. Prof. Chaudhuri has described how the Mathematics has been developed from ancient India to the latest era. He also commented that, even the article written by Rabindranath Tagore, necessity of Mathematical Education has been observed. His lecture ended with some questioner from participants. After that there was a small interaction period where the participants asked different problems on Mathematics and Mathematical Education to the resource persons. After Lunch break, Prof. Tapan Kumar Pal, Retired Professor, Dept. of Mathematics, Vidyasagar University has given 'Ramanujan Memorial Lecture.' In his lecture, he gave different aspect on Life of Ramanujan and his devotee on Mathematics. In very simple language, Prof. Pal described the works of Ramanujan on Number System and its affect on present era. After the lecture of Prof. Pal, Some student participants of Ramsaday College gave oral presentation on the theme to find beauty of Mathematics. The one day Workshop and Symposium on 'Discovering the Beauty in Mathematics' under the theme "Mathematics for All" In celebration of National Mathematics Day, 2018 Sponsored by WBSCST and supported by NCSTC, DST, GoI was successfully concluded after distributing the certificates to the participants.

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March 06, 2019

Department of Mathematics
Ramsaday College, Amta-711401, Howrah, West Bengal

CERTIFICATE

This is to certify that Dr./Mr./Mrs./Miss_____ of_____ has participated in the One Day State Level Workshop and Symposium on 'Discovering the Beauty in Mathematics' organized by Department of Mathematics, Ramsaday College, Amta-711401, Howrah on 6th March 2019.

Dr. Deb Kumar Mukherjee
Principal

Subrata Raychaudhuri
HOD, Mathematics

Dr. Soovoojeet Jana
Convenor