

Report of Activities

Department of physics 2020-2021

- National Webinar on “Brain inspired memory-Future of artificial intelligence
- Space Week Celebration
- Faculty Development Programme in Moodle learning Management System
- National Science Day Celebration

National Webinar on “Brain inspired memory-Future of artificial intelligence

A National Webinar on “Brain inspired memory-Future of artificial intelligence” was conducted on 25th August 2020. The resource person for the webinar was Dr. Jinesh K.B., IIST, Thiruvananthapuram. The number of participants of the program was around 200.



 **DEPARTMENT OF PHYSICS**
ST. THOMAS COLLEGE, RANNI
NAAC re-accredited with B-grade
Affiliated to Mahatma Gandhi University, Kottayam

National Webinar on
BRAIN INSPIRED MEMORY:
FUTURE OF ARTIFICIAL INTELLIGENCE

25 AUGUST 2020
11:00 AM - 12:15 PM

LIVE ON  **Google Meet**

Resource Person



Dr. Jinesh K.B.
Associate Professor
Indian Institute of Space Science and Technology
Thiruvananthapuram, Kerala

For registration follow the link:
<https://forms.gle/iD4sXz822Dkw9vci9>

- No registration fee
- E-certificate will be given to all participants after submitting the feedback form
- E-mail: physics@stthomascollegeranni.com

Organizing Committee:
Dr. Aleyamma Kuruvilla (Principal)
Mrs. Anju Joseph (HOD)-9496211790
Mrs. Merin Jose, Dr. Marykutty James
Ms. Soumyamol K.S., Ms. Sreevalsa K., Ms. Milu Idiculla

Co-ordinator
Dr. Suresh M.K.
Mob: 9446738693

Space Week Celebration

As a part of space week celebration The Department of Physics conduct a series of events. The first event SKY WALK was conducted on 11 October 2021. Students of Department of Physics handled the different session and did power point presentation in the field of Astronomy. The main session is based on the introduction to the software Stellarium. The Second Year M.Sc. Physics Student Aromal P and Libin Santhosh gave technical training to the students. Also M.Sc Student Aravind and Third year B.Sc. Student Sandeep handled different session.

A webinar was conducted on 20/10/2021 as part of space week celebration. Dr.K.Indulekha, School of pure and applied Physics, M.G.University, Kottayam was the resource Person. The topic for the webinar was “Black holes at work”. On 22 October 2020 we organize a Intercollegiate Quiz Competition.

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HAUFI

WEEK 01
SKYWALK
SKYWATCHING FOR STUDENTS
THROUGH STELLARIUM

2020 OCT 11
7:00 PM

All are Welcome

PLATFORM Google Meet

Session 1
Aravind . S
2nd M.Sc
(Satellites)

Session 2
Aromal . P and Libin Santhosh
2nd M.Sc
(Introduction to Stellarium)

Session 3
Sandeep . S
3rd DC
(Black holes)

Coordinator
Ms. Sreevalsa .K
8281105779

Student Coordinators
Aromal . P, Sandeep . S, Jobin J. John
Aswathy R, Gayathri Rajagopal

Organizing Committee
Mrs. Anju Joseph (HOD), Dr. Suresh M.K, Mrs. Merin Jose, Dr. Marykutty James, Ms. Soumyamol K.S.
Students of 2nd M.Sc



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HAUFI

DAY 02

SPACE TALK
BLACK HOLES AT WORK
2020 OCTOBER 20
11:00 AM

[Click here to Register](#)

PLATFORM

 Google Meet



Dr. K. INDULEKHA

Professor
School of Pure & Applied Physics
Mahatma Gandhi University

DAY 03

SPACE QUIZ
2020 OCTOBER 22
10:00 AM

[Click here to Register](#)



ATTRACTIVE PRIZES
FOR WINNERS

Coordinator

Ms. Sreevalsa .K
8281105779

Student Coordinators

Aromal. P, Sarath Mohan , Jobin J. John
Aswathy R, Gayathri Rajagopal, Sandeep .S

Organizing Committee

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Students of 2nd M.Sc

You tube link

Indulekha maam class

[Haufi: Space Talk- Black Holes at Work | St. Thomas College, Ranni - YouTube](#)

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https://drive.google.com/file/d/148n32hhK710oxgKn0yniyjvFV2Guwhq/view

Haufi Space Talk (2020-10-19 at 22:34 GMT-7) Open with

Black Holes at Work*

Indulekha Kavila
MGU

Space Week celebrations, St Thomas College, Ramel 20.30.2020
*Title courtesy Andrew Fabian

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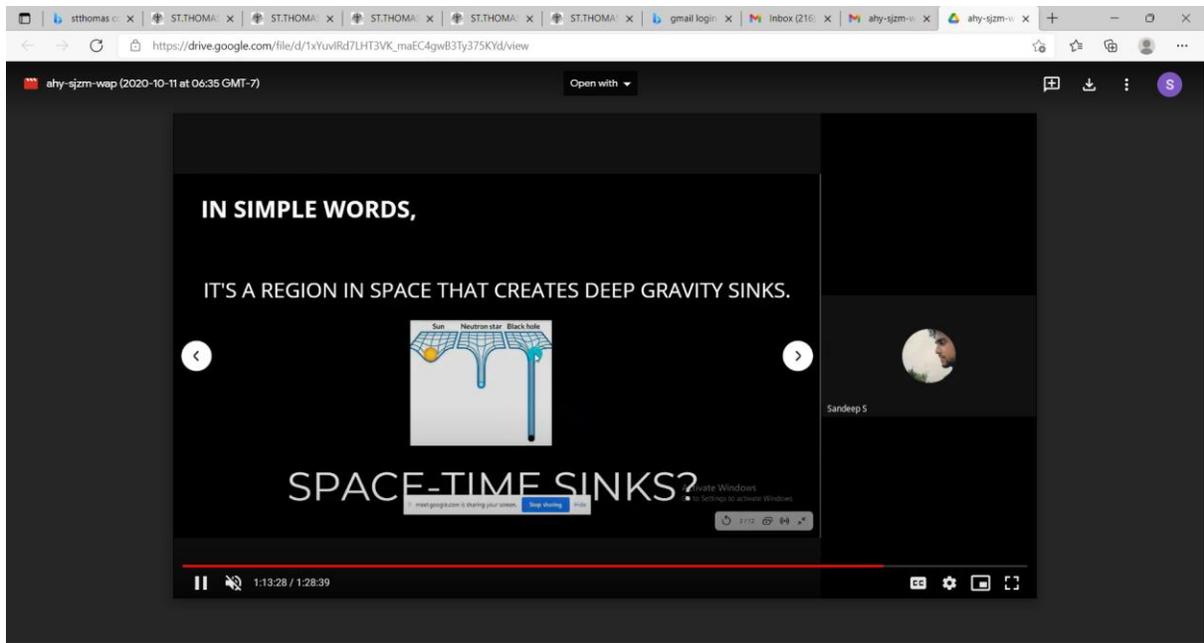
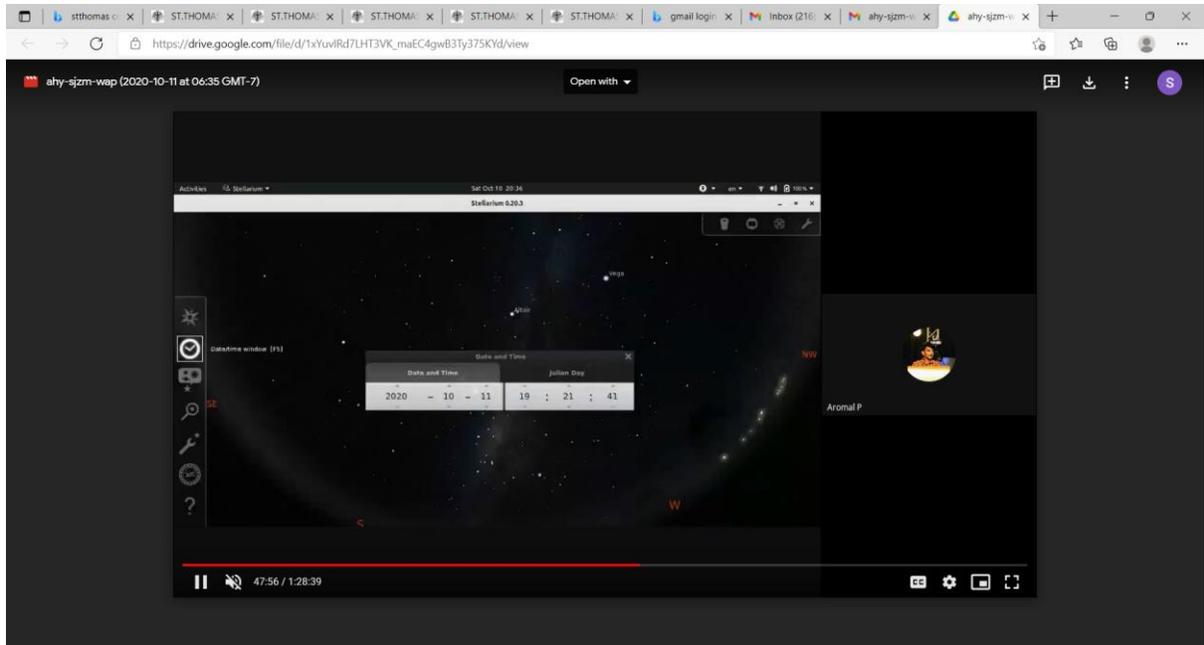
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https://drive.google.com/file/d/1xYuvlRd7LHT3VK_maEC4gwB3Ty375KYd/view

Ancestors think of earth...



ARAVIND SURESH



Faculty Development Programme in Moodle learning Management System

Faculty Development Programme in Moodle learning Management System in association with Spoken tutorial ,IIT Mumbai.

The department of physics and IQAC St.Thomas College Ranni in association with spoken tutorial ,IIT Mumbai conducted a one week faculty development Programme in Moodle learning management System to the teachers of St.Thomas College,Ranni from 17.11.2020-23.11.2020.Moodle Learning management system helps teachers and educators create an online platform for more adaptive and customized learning .The training Program was helpful for the teachers in our college in creating an online platform for more effective teaching .33 teachers in our college participated in the programme. All the participated teachers successfully completed the program and received the participation certificate from Spoken tutorial ,IIT Mumbai.



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DEPARTMENT OF PHYSICS
and
INTERNAL QUALITY ASSURANCE CELL (IQAC)

in association with
SPOKEN TUTORIAL PROGRAMME
IIT BOMBAY

organises

7 Day FACULTY DEVELOPMENT PROGRAMME ON MOODLE LEARNING MANAGEMENT SYSTEM

**17-11-2020 to
23-11-2020**

REGISTRATION

Rs. 590/- (Including GST)/ Person

Registration Ends on
14th November 2020

Moodle is a learning management system (LMS in short) which helps teachers and educators create an online platform for more adaptive and customized learning.

Moodle has many built-in features ranging from the basics such as file upload, assignments, quizzes, notifications and advanced features such as forums, quiz, wikis etc that can be used by learners. It also has many easy-to- install plugins such as attendance, reminders, analytics etc. to supplement these features.

THIS PROGRAMME IS EXCLUSIVELY FOR FACULTY MEMBERS OF ST.THOMAS COLLEGE, RANNI

BENEFIT OF THE PROGRAMME

THOSE WHO SUCCESSFULLY COMPLETING THIS FDP WILL RECEIVE PARTICIPATION CERTIFICATE FROM SPOKEN TUTORIAL PROGRAMME IIT BOMBAY

PRINCIPAL
Dr. Aleyamma Kuruvilla

COORDINATOR
Mrs. Anju Joseph (HOD)
9496211790

CO-COORDINATORS
Dr. Marykutty James (9495352381)
Ms. Soumyamol K.S.(8848711661)

IQAC COORDINATOR
Dr. Rigy Idiculla

National Science Day Celebration

The National Science Day was celebrated by our department in association with All Kerala Physics Teachers Association on 28th February 2021 and 2nd March 2021. The programme was named NOVIGA 2K21. The theme of this year National Science Day was Future of STI- Impact on Education Skill and Work.

Based on this our department conducted a Intra Collegiate Quiz its theme was Innovations in Science in India During last 100 Years. Albin John Samuel, Department of English won the First Prize and Saranya P Kumar of Department of Physics Won the Second Prize. The cash prize is awarded for the winners.

Dr Sorb Yesudhas, Post Doctoral Research Associate, Department of Aerospace Engineering, Iowa state University, USA inaugurated and handled the technical session. Dr.M.KSuresh, Assistant Professor, National Science day coordinator, Department of Physics, St.Thomas College Ranni delivered a warm welcome to the Guest and audience and Principal Dr. Aleyamma Kuruvilla, Principal St. Thomas College Ranni presided the function. Ms. Sreevalsa K, Assistant Professor, National Science day co-coordinator, Department of Physics, St.Thomas College Ranni delivered the Vote of Thanks.

After the inaugural session Dr Sorb Yesudhas, delivered a talk on Behaviour of Materials under High Pressure. The talk was very informative and our students got an opportunity to learn about the Raman spectrum. Around 85 Students are participated in the seminar.



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NATIONAL SCIENCE DAY CELEBRATION

NOVIGA 2K21

THEME: FUTURE OF STI- IMPACT ON
EDUCATION SKILL & WORK

WEBINAR LIVE ON Google Meet

Topic: Behavior of Materials
under High Pressure

Resource Person



Dr. SORB YESUDHAS
Post Doctoral Research Associate
Department of Aerospace Engineering
Iowa State University
Ames, IA 50011
USA

02 MARCH 2021

TUESDAY
11:00 AM - 12:15 PM

For registration follow the link:

<https://forms.gle/qBNTEFLcbVxnMIFz9>

QUIZ
COMPETITION

28 FEBRUARY 2021

SUNDAY, 7:00 PM

FIRST TWO POSITIONS
WILL BE AWARDED WITH
CASH PRIZE

IN ASSOCIATION WITH



Co-ordinator

Dr. Suresh M.K.
Mob: 9446738693

Ms. Sreevalsa K.
Mob: 8281105779

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Ms. Soumyamol K.S.

Results in Department of Physics (2018-2019 and 2019-2020) as on 15.04.2021

	B.Sc Physics	M.Sc Physics
2018-2019	76%	72.7%
2019-2020	78.26%	60%