REPORT ON APT PROJECT PRESENTATION COMPETITION-2020

To encourage research aptitude among the young minds and motivate the inspiring and innovative ideas emerged during the post graduate studies Academy of Physics Teachers, Kerala initiated "ALL KERALA PROJECT PRESENTATION COMPETITION 2020.

It was decided to conduct the competition in two categories namely Experimental Physics and Theoretical Physics. The competition was announced on 3^{rd} September 2020. The last date for submission of abstract was 15^{th} September 2020 which was further extended to 26^{th} September 2020.



Academy of Physics Teachers, Kerala organises "ALL KERALA PROJECT PRESENTATION COMPETITION 2020" envisaging to inculcate research aptitude among the young minds and develop inspiring and innovative ideas during the post graduation studies. It provides a platform to present the project done in M.Sc Physics in front of a panel of eminent academicians.

We invite abstracts from students who have completed / will be completing M.Sc Physics from Colleges and Universities across Kerala in the year 2020. The project abstracts will be screened and shortlisted. Applicants with shortlisted projects will be invited to present the work through Google Meet. The best projects, in both Theoretical and Experimental areas, will be awarded prizes.

President Secretary Coordinator Dr.Titus.K.Mathew Dr.Harikrishnan.G Dr.Malini.K.A

Guidelines

- 1. The competition shall be held in two categories: theory and experiment.
- 2.The work submitted should be original and any publication status (published/submitted/under review/rejected) should be specified in the application.
- 3. The candidate is required to obtain consent from the concerned supervisor(s).
- The letter of consent should be mailed directly by the supervisor mentioning complete contact details to the joint coordinator (pskrishnaprasu@gmail.com) by 15th September 2020,
- 5 pm. Projects submitted without consent letter will be summarily rejected and will not be screened.Format of consent letter is given in https://tinyurl.com/aptproject20
- 5.All submitted projects will be screened and a short list may be prepared, as required.
- Applicants of short-listed projects will be invited for a live presentation through Google Meet in front of a panel of subject experts.
- 7. Decisions by the panel of experts chosen by the Academy will be final.
- 8. The submissions after September 26th ,2020, 5 pm will not be considered for screening.
- 9.Top grades in both category (Theory/Experiment) will be awarded with cash prizes and grade certificates.
- 10. An extended version of the project abstracts, selected by the panel of experts, shall be published in APT Tunes, the official publication of the Academy.



- Exciting Cash prizes are waiting for the Toppers!!!
- All the participants presenting the projects will be given participation certificates.

There were **13 abstracts** in the theoretical category and **24 in the experimental** category. There were two separate panels consisting of the following experts.

Panel of experts		
<u>Experimental</u>	<u>Theoretical</u>	
1. Dr Riju C Issac (CUSAT)	1. Dr Sasidevan (CUSAT)	
2. Dr Sudheendran (SKVC, Thrissur)	Dr Pramod Dominic (UC College Aluva)	
Dr Reena Mary A P (Govt Victoria College, Palakkad)	Dr Suneera T P (Govt College, Madappally)	

The abstracts were consolidated and send to the respective panel members. After initial screening individually each panel met online through google meet and shortlisted the finalists. Among the applicants 10 each were shortlisted for final presentation in the Experimental and Theoretical categories

	FINALISTS	
	Theoretical	Experimental
1	AMAL K S	AFRIN M N
2	Amala Jose	Anju Sreekumar
3	ANJANA ANIRUDHAN	Ann Maria J Puthur
4	Ayrin p winson	ARUJA JOSE
5	Bright Joseph	Ayana Ayyappan
6	KARTHIKA BHUVANENDRAN	Chandhini P
7	Meera Ramachandran	Dayana D
8	NITHYA M	Drishya p.p
9	SHIFANA KOYA	POOJA KV
10	Vaishnavi M Rajesh	Shilpa prince

The final round of APT Project presentation in the Experimental category was held on 26/11/2020 and in the Theoretical category was held on 28/11/2020 through the online platform Google meet from 9.30am onwards. The winners of each category are

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RESULTS

CATEGORY 1- EXPERIMETAL (26/11/2020)			
1 ST Prize	1 ST Prize	Department of Physics,	
	ARUJA JOSE	Mar Thoma College, Tiruvalla	
2 nd Prize	ANJU SREEKUMAR	Post graduate and Research Department of	
	VYSHNAVY PRASAD	Physics, St.Thomas College Kozhenchery	
3 rd Prize	3 rd Prize AYANA AYYAPPAN	Department of Physics, Cochin University of	
	ATANA ATTAFFAN	Science And Technology (CUSAT).	
CATEGORY 2 – THEORETICAL (28/11/2020)			
1 ST Prize		Department of Physics,	
	NITHYA M	Central University of Kerala.	
2 nd Prize	KARTHIKA	Department of Physics, Cochin University of	
	BHUVANENDRAN	Science And Technology(CUSAT).	
3 rd Prize	AMALA JOSE	Department of Physics,	
	AMALA JOSE	Central University of Kerala.	

The winners of first three positions in both the categories were awarded with cash prize and certificates.

Winners certificate- model

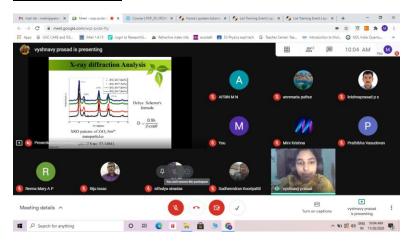


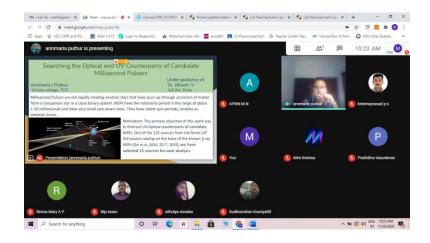
Participant certificate -model

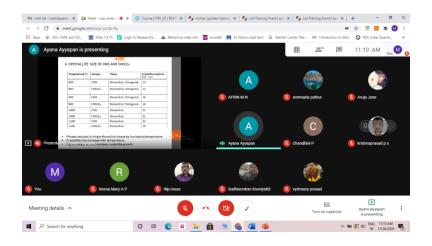


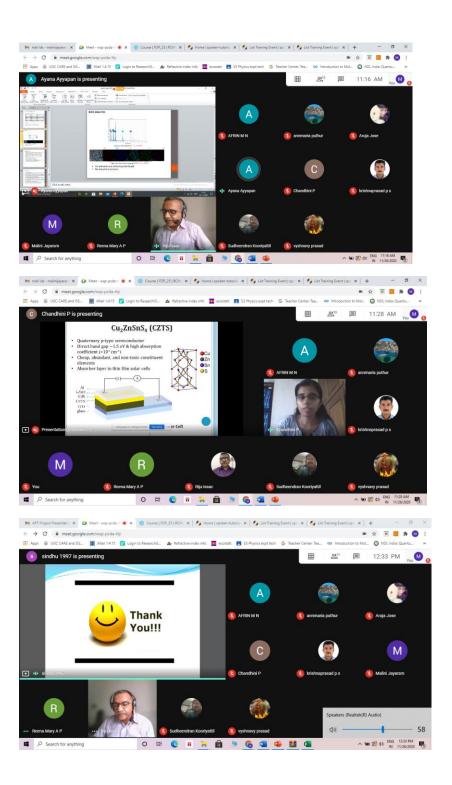
Screen shots of finals

Experimental









Meet attendance

Fouzana .K.P

Sindhu 1997

Ayana Ayyapan

Riju Isaac

Malini Jayaram

Aruja Jose

Sudheendran Kooriyattil

Mini Krishna

Reena Mary

Afrin M N

Binsha Nasrin

Chandhini P

Reena Mary A P

Vishnu Prasad

Vyshnavy Prasad

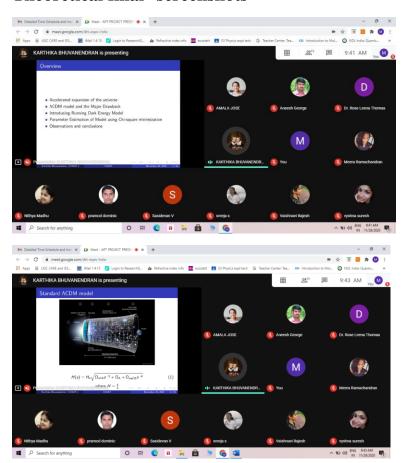
Annmaria Puthur

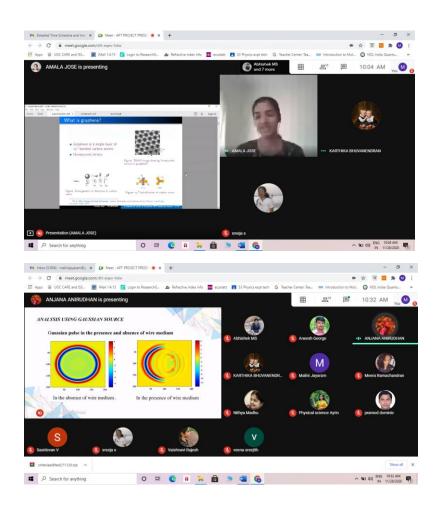
Krishnaprasad P S

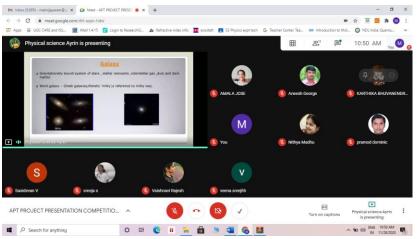
Sithulya Sivadas

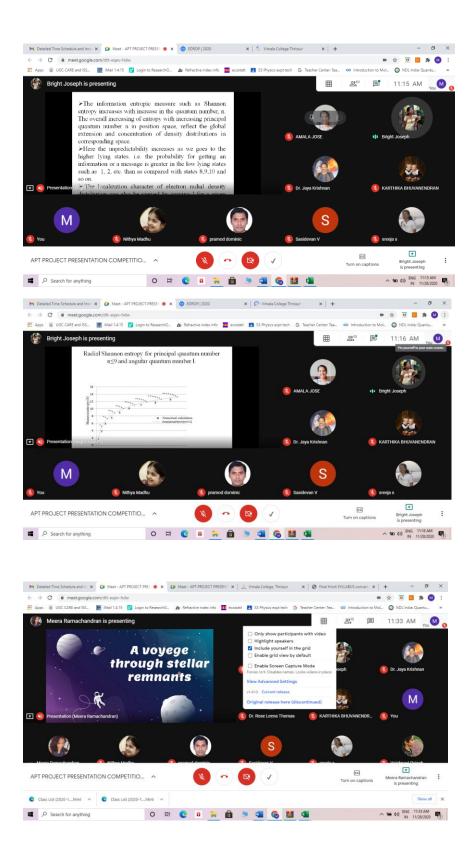
Prathibha Vasudevan

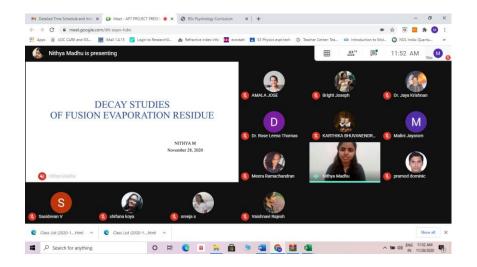
Theoretical final--screenshots

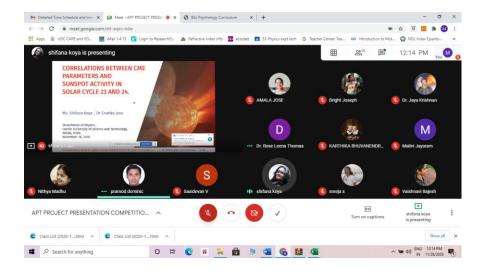












Meet attendence

Anjana Anirudhan

Sumayya Hanan A

Physical Science Ayrin

Karthika Bhuvanendran

Pramod Dominic

Aneesh George

Malini Jayaram

Amala Jose

Bright Joseph

Dr. Jaya Krishnan

Nithya Madhu

Abhishek Ms

Vaishnavi Rajesh

Meera Ramachandran

Sreeja S

Veena Sreejith

Afiya Thasneem

Dr. Rose Leena Thomas

Sasidevan V

Organising committee

- 1. Dr Malini K A (Convener)
- 2. Dr Noble P Abraham
- 3. Dr Krishnaprasad P S
- 4. Dr Sreeja S
- 5. Dr Rose Leena Thomas

Thank you all

Dr Malini K A