

# REPORT ON ONE DAY STATE LEVEL WEBINER

## **“SEARCH FOR A UNIFIED LAW OF UNIVERSE”**

On  
10<sup>th</sup> September, 2020

Department of Physics, in association with IQAC, Ranaghat College organised a one-day state level webinar on “Search for a Unified Law of Universe” on September 10, 2020. The webinar mainly focused on asking a fundamental question if there is any law which can unify all the fundamental laws of nature. On the other hand, Indian physics community was celebrating hundred years of famous “Saha Ionisation Equations” due to Indian Astrophysicist Prof. Meghnad Saha during the year 2020, so a lecture was also dedicated on that topic of 100 years of Saha Equation. The programme started at 6:30 pm with the welcome address by respected Principal, Ranaghat College Dr. Arup Kumar Maity. Dr. Arunodya Mukherjee, Coordinator, IQAC, Ranaghat college made some opening remarks to all the dignitaries and the participants of the webinar.

The introduction of the programme was given by Dr. Anindya Biswas, Head, Department of Physics, Ranaghat College. He narrated the necessity of holding this kind of webinar during Covid- 19 pandemic period to motivate students and researcher of the field.

Following two eminent speakers delivered their lecture in the webinar with immense motivation.

**Prof. Kamal L. Panigrahi, Professor, Department of Physics, IIT Kharagpur** talked on fundamental laws of nature starting from standard model particles to string theory.

**Prof. Gautam Gangopadhyaya, Professor, Department of Physics, Calcutta University** presented his talk entitled “Hundred Years of Saha Equation.” He explained Prof. Meghnad Saha’s contribution in calculating temperature of stars and how it is used for spectral classification of those stars.

Dr. Anindya Biswas, Assistant Professor, Department of Physics, Ranaghat College and Dr. Kakali Ray, Associate Professor, Department of Physics, Ranaghat College have conducted the question answer session. The programme was concluded by the vote of thanks of Prof. Rajen Sarkar, Assistant Professor, Department of Physics, Ranaghat College.

More than 200 registered participant all over India have joined this webinar. The Flyer of the Programme is attached here. The List of registered participants and their responses are also attached with this report through following links. A YouTube link is also shared here for documentation.

<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:98b1932b-4f01-390e-8900-163abd83ce84> (Link for Registered Participants List of the Webinar)

<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:123d0b93-4b10-3175-a9bb-e39fff282358> (Link for feedback from Participants)

[https://www.youtube.com/live/23\\_pNUFD3BI?si=YORuVqglitKzOsHL](https://www.youtube.com/live/23_pNUFD3BI?si=YORuVqglitKzOsHL) (YouTube Link)

**ONE DAY STATE LEVEL WEBINAR**  
ON  
**“SEARCH FOR A UNIFIED LAW OF UNIVERSE”**



**10<sup>th</sup> September, 2020**  
**6:00 PM - 8:15 PM**

  
**Organised by**  
*Department of Physics,*  
*In Coordination with IQAC,*  
**Ranaghat College**

Registration Link: <https://forms.gle/7FcNBuBkcZWPt79W8>

**PROGRAMME SCHEDULE**  
Date: 10<sup>th</sup> September, 2020 (THURSDAY)

**6:00 PM** Introduction by *Dr. Arunoday Mukherjee*,  
IQAC Co-ordinator)

**6:05 PM** Welcome address by *Dr. Arup Kumar Maiti*, (Principal)

**6:10 PM** Introduction of Speaker by *Dr. Anindya Biswas*,  
(HOD, Department of Physics)

**6:15 PM to 7:00 PM** Lecture by *Prof. Kamal L. Panigrahi*,  
Professor, IIT, Kharagpur

**7:00 PM to 7:10 PM** Interactive Session  
Title of Talk: **“TOWARDS A THEORY OF EVERYTHING”**

**7:10 PM** Introduction of Speaker by *Dr. Kakali Roy*,  
Associate Professor of Physics

**7:15 PM to 8:00 PM** Lecture by *Prof. Gautam Gangopadhyay*,  
Professor, Department of Physics, Calcutta University


**8:00 PM to 8:10 PM** Interactive Session  
Title of Talk: **“HUNDRED YEARS OF SAHA EQUATION”**

**8:10 PM** Vote of Thanks by *Mr. Rajen Sarkar*,  
Assistant Professor of Physics



**ABOUT COLLEGE**


Ranaghat College is a premier institution of higher education in the district of Nadia in West Bengal. It is a General Degree College affiliated to Kalyani University and situated in the convenient locality of Ranaghat which is well-connected with other parts of Bengal by roads and railways. The college saw the light of day in 1950 and since then it has been catering to the needs of students of the locality by imparting them the state-of-art education in Arts, Science and Commerce at the undergraduate level.




**DISTINGUISHED RESOURCE PERSONS**



**Prof. KAMAL L. PANIGRAHI**  
Professor,  
Department of Physics,  
Indian Institute of Technology, Kharagpur



**Prof. GAUTAM GANGOPADHYAY**  
Professor,  
Department of Physics,  
University of Calcutta

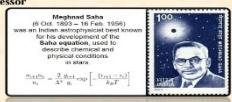


**ORGANIZING COMMITTEE**

Chief Patron: *Dr. Arup Kumar Maiti*, Principal  
IQAC Coordinator: *Dr. Arunoday Mukherjee*  
Convener: *Dr. Anindya Biswas*, Assistant Professor and HOD, Physics

Members:

- Smt. Sanchayita Ghosh*, Assistant Professor
- Dr. Kakali Roy*, Associate Professor
- Mr. Rajen Sarkar*, Assistant Professor
- Dr. Tansil Ghosh*, Assistant Professor
- Mr. Somnath Biswas*, G.I
- Mr. Samar Sarkar*, Technical Staff



**ONLINE REGISTRATION**

Registration is free of charge.  
Registration Link: <https://forms.gle/7FcNBuBkcZWPt79W8>  
(This link is only for registration.)

- Registration will be closed by on **9<sup>th</sup> September, 2020**
- Feedback form will be shared during the sessions.
- E- Certificate will be provided to the e-mail IDs of the participants after submission of the feedback form.
- Meeting Platform: Google Meet & YouTube live

**RANAGHAT COLLEGE**  
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Flyer of the Webinar