



Department of Science and Technology,  
Government of India  
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# INSPIRE Science Camp-2018

20<sup>th</sup>-24<sup>th</sup> December, 2018.

Organised by

Department of Geology, Sikkim University, Gangtok

## ❖ What is INSPIRE Science Camp 2018?

INSPIRE Science Camp 2018 is a Department of Science and Technology, Government of India sponsored 5-day science camp where meritorious students pursuing sciences get an opportunity to learn and interact with eminent scientist of international repute in the field of **Physics, Chemistry, Life Sciences and Earth Sciences**. Participants will attend lectures and participate in hands-on training sessions from the mentors.

## ❖ When and where will the camp be held?

INSPIRE Science Camp 2018 will be organized by the Department of Geology, Sikkim University, Gangtok from 20<sup>th</sup> December - 24<sup>th</sup> December, 2018 at Cauvery Hall, Near IGNOU, 5<sup>th</sup> Mile, Gangtok, Sikkim.

## ❖ Who can apply?

Any student studying in class XI<sup>th</sup> or XII<sup>th</sup> pursuing science and who has scored at least 70% in class X<sup>th</sup> board examination (any board).

## ❖ What is the cost?

INSPIRE Science Camp 2018 is a fully funded event.

Free lodging and boarding will be provided to all participants. Travel fare (SNT bus fare) will be reimbursed for all participants.

## ❖ How to apply?

Application form can be availed from your school office. Application form can also be downloaded by visiting [www.cus.ac.in](http://www.cus.ac.in).

Scanned copy of the Application Form along with X<sup>th</sup> marksheet should be mailed to [akmisra@cus.ac.in](mailto:akmisra@cus.ac.in) and [inspiresikkimuniversity@gmail.com](mailto:inspiresikkimuniversity@gmail.com) on or before 10<sup>th</sup> November 2018. Hard copy of the application form along with X<sup>th</sup> marksheet must be brought at the time of registration.

## ❖ Objective:

- Innovation in Science Pursuit for Inspired Research (INSPIRE) is a flagship program of Department of Science & Technology (DST), Government of India, which has five components covering entire range of education and research from class 6<sup>th</sup> to post graduate stage of a student.
- The basic objective of INSPIRE is to communicate the excitements of creative pursuit of science to the young students of the country and attract talent to the study of science at an early stage. The idea is to build the required critical human resource pool for strengthening and expanding the Science & Technology sector for research and development. The aim of INSPIRE is to imbibe scientific temper in the youth of our country and to give them a flavor of bliss associated with creativity. The camp will provide a forum for intensified, stimulating and brainstorming interaction between the participants and the highly esteemed mentors through lectures, laboratory experiments and laboratory visits.
- The DST fully funds these camps. Typical strength of such camps is 100 – 120 students. Every day there shall be lecture-cum-interactions with the “MENTORS” and also laboratory demonstrations. The



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mentors will give exposure to the students about cutting edge research areas shaping the world. These kinds of camps are meant to be a life-long catalyzing experience for the 11 - 12th graders in science stream.

- **Duration:** 20 to 24<sup>th</sup> December, 2018 (Thursday – Monday (five days)).
- **Eligibility Criteria:** 11th and 12th class science stream students having more than 70% marks in Class X (10th Std.) board examination are encouraged to apply. The camp is meant for students of Sikkim and students in the adjoining places of West Bengal like Kalimpong and Darjeeling district. Students from other parts of the country are not eligible.
- **How to apply:** Collect the form from your school, fill it, get it signed by your parent and Principal of the present School. E-mail the scanned copy of your form to [akmisra@cus.ac.in](mailto:akmisra@cus.ac.in) and [inspiresikkimuniversity@gmail.com](mailto:inspiresikkimuniversity@gmail.com) before November 10, 2018. Selected students will be informed by November 20, 2018. Students registration form can also be downloaded from inspire link of Sikkim University Website.
- **Fees:** The camp is fully free. Students need not pay any fee. Selected students will be provided free boarding, lodging and registration materials. Students will also be given token travel allowance.
- Student registration Forms: **Download here.**

## ❖ Important Notes:

Application starts: August 27, 2018

Application ends: 10<sup>th</sup> November 2018

Publication of list of selected participants on [cus.ac.in](http://cus.ac.in): November 20, 2018

Arrival of the selected participants: 19<sup>th</sup> December 2018

Date of Registration: 20<sup>th</sup> December, 2018

Time and Venue of Registration: 8.00-9.00 am, Cauvery Hall, Near IGNOU, 5<sup>th</sup> Mile, Gangtok, Sikkim

## ❖ Contact details

Dr. Anil K. Misra, Program Coordinator, DST-INSPIRE Science Camp 2018, Department of Geology, New Science block, Sikkim University, Gairigaon, Tadong, Gangtok, Sikkim-734102. E-mail: [akmisra@cus.ac.in](mailto:akmisra@cus.ac.in)  
Phone: +91-03592-231151 Mobile: +91-9873122054, Visit [www.cus.ac.in](http://www.cus.ac.in) for further details of the program



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## Invited Mentors:

	<p><b>Professor Kankan Bhattacharyya,</b> FTWAS, FASc, FNASc, Bhatnagar Awardee Senior Editor, The Journal of Physical Chemistry Former, Director &amp; Chair Professor of Indian Association for the Cultivation of Science (IACS), Kolkata Visiting Professor, Department of Chemistry Indian Institute of Science Education &amp; Research Bhopal, Bhopal Bypass Road, Bhauri Bhopal- 462 066, Madhya Pradesh, India <b>Research Area:</b> Femtosecond Laser Spectroscopy,</p>
	<p><b>Prof. Arun Chattopadhyay</b> Ph.D.: Columbia University, USA; Post-doc: Stanford University, USA Head, Department of Chemistry Centre for Nanotechnology Indian Institute of Technology Guwahati <b>Research Areas:</b> Nanomaterials and its uses, Nanobiotechnology, Quantum dots.</p>
	<p><b>Professor Arun Kumar</b> Dean, School of Human &amp; Environmental Sciences Department of Earth Sciences Director, Center for Myanmar Studies Manipur University Imphal 795003 Manipur India <b>Research Areas:</b> Geomorphology, Remote Sensing and Applied Geology</p>
	<p><b>Prof Pulak Sengupta, FNASc</b> Department of Geological Sciences, Jadavpur University, Kolkata 43/6/11 Jheel Road, Kolkata-700031 <b>Research Areas:</b> Metamorphic Petrology, Precambrian Geology, Geochemistry, Mineralogy</p>
	<p><b>Prof. Anjan Kr. Dasgupta</b> Former Professor and Head, Department of Biochemistry,, University of Calcutta, <b>Research Areas:</b> BioPhysics; Nanotechnology, Quantum Biology</p>



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	<p><b>Prof. Prasanta K. Panigrahi</b> FNASc, NASI, Post-Doctoral fellow, University of Montreal, Canada, and, University of Illinois, USA PhD (Field Theory), University of Rochester, New York, USA Department of Physical Sciences Indian Institutes of Science Education and Research (IISER) Kolkata, Mohanpur-741246, India. <b>Research Areas:</b> Quantum Computation and Quantum Information, Bose-Einstein Condensates, Cold Fermions, Nonlinear Dynamics, Field Theory and Wavelet Transform</p>
	<p><b>Dr. Debiprosad Duari</b> Director, Research &amp; Academic M. P. Birla Institute of Fundamental Research, M. P. Birla Planetarium. 96 J. L. Nehru Road, Kolkata - 700 071. INDIA <b>Research Areas:</b> Astronomy &amp; Astrophysics</p>
	<p><b>Dr A K Bhatnagar</b>, FNASc Ex-Professor and Head Department of Botany University of Delhi. Delhi – 110 007 <b>Research Areas:</b> Reproductive Biology Biodiversity Conservation Environmental Biology</p>
	<p><b>Prof. Sudip Kumar Acharya</b> Retired Professor of Pure Mathematics Department of Pure Mathematics University of Calcutta Research Area: General Topology, Rings of Continuous Functions, Rings of Measurable Functions.</p>
	<p><b>Dr. Bhargab Bhattacharya</b>, FNAE, FNASc., FIEEE Professor of Computer Science and Engineering, Indian Statistical Institute 203, BT Road Kolkata 700 108 <b>Research Areas:</b> Logic synthesis and testing, Design and testing of nanoscale logic circuits, digital microfluidic biochips</p>