

Programme

January 29, 2019 (Tuesday)

09:00 – 11:00 am	: Registration and Inaugural programme
11:00 – 11:30 am	: <i>Snack</i>
11:30 – 12:30 pm	: Briefing on Laboratory safety
12:30 – 01:15 pm	: <i>Lunch</i>
01:15 – 02:45 pm	: Laboratory work (Colour Creation / Crystallisation)
02:45 – 03:15 pm	: <i>Break</i>
03:15 – 04:45 pm	: Laboratory work (Crystallisation / Colour Creation)
04:45 – 05:00 pm	: <i>Snacks</i>
05:00 – 06:30 pm	: Movie Screening
06:30 – 07:30 pm	: <i>Dinner</i>

January 30, 2019 (Wednesday)

07:45 – 09:00 am	: <i>Breakfast</i>
09:00 – 11:00 am	: Laboratory work (Forensic Challenge / Clock Reaction)
11:00 – 11:30 am	: <i>Snack</i>
11:30 – 12:30 pm	: Invited Talk
12:30 – 01:15 pm	: <i>Lunch</i>
01:15 – 02:45 pm	: Science Magic Show (Prof. P. Goswami)
02:45 – 03:15 pm	: <i>Break</i>
03:15 – 04:45 pm	: Laboratory work (Clock Reaction/ Forensic Challenge)
04:45 – 05:00 pm	: <i>Snack</i>
05:00 – 06:30 pm	: Science Quiz
06:30 – 07:30 pm	: <i>Dinner</i>

January 31, 2019 (Thursday)

07:45 – 09:00 am	: <i>Breakfast</i>
09:00 – 11:00 am	: Laboratory work (Slime! / Hydrogel Investigation)
11:00 – 11:30 am	: <i>Snack</i>
11:30 – 12:30 pm	: University Campus Tour
12:30 – 01:15 pm	: <i>Lunch</i>
01:15 – 02:45 pm	: Laboratory work (Hydrogel Investigation / Slime!)
02:45 – 03:15 pm	: <i>Break</i>
03:15 – 04:45 pm	: Finale and Prize Distribution Ceremony & Snacks
04:45 – 06:30 pm	: Snacks, Campers sign out & Departure

Salters' Chemistry Camp

3-Day Residential Camp for the High School Students of Arunachal Pradesh

January 29-31, 2019



Organised by
Department of Chemistry
Rajiv Gandhi University
Arunachal Pradesh



ROYAL SOCIETY
OF CHEMISTRY

The **SALTERS'**
Institute

In association with
Royal Society of Chemistry
London W1J 0BA, United Kingdom
&
The Salters' Institute
London EC2Y 5DE, United Kingdom

About the Camp

The Salters' Chemistry Camps founded in 1998 are residential Camps that run for 3 days and 2 nights for students (9th standard) from government / underprivileged / aided schools. The students participate in a variety of practical activities run in University labs. This unique endeavour by Royal Society of Chemistry (RSC), London and The Salters' Institute, London is aimed to support high-quality chemistry education in India. The programmes ensures that teachers gain the knowledge and skill to deliver truly inspiring lessons while students experience true taste of University Chemistry.

The RSC and the Salters' Institute hope to enhance the skills and knowledge of Indian Chemistry teachers and inspire students to study Chemistry at University by applying their own expertise in education and combining this with the experience of partners in India.

About the University

Rajiv Gandhi University (formerly Arunachal University), was established in 1985 and was converted to a central university in 2007. It is the premier institution for higher education in the state of Arunachal Pradesh and has completed twenty-five years of its existence recently. The research work of several of its postgraduate departments has been funded by several governmental/non-governmental agencies. It is located atop Rono Hills on a picturesque tableland overlooking the river Dikrong. It is about 6 Km away from National Highway 52A which connects Arunachal Pradesh with Assam and other parts of India. Itanagar, the state capital, is situated 25 Km away from the university campus.

About the Department of Chemistry

The Department of Chemistry was established in the year 2011 with an objective to impart quality teaching and research in chemical sciences in this region of India. Presently, Department offers two-year (4 semesters) M.Sc. programme with specialization in all major areas of chemistry to provide students with the necessary theoretical background and introduction to laboratory methods. Department is also offering Ph.D. programme in chemistry since 2014. In addition to teaching, Department is striving to mark its footprint on the field of modern chemical research via its well-trained young faculties. The faculties are actively involved in research via sponsored research projects. Since 2013, faculties have been able to receive grants to the tune of ₹ 2.0 crore till date from various funding agencies - DST, DBT, CSIR, UGC and UGC-DAE CSR. The Department has well-furnished laboratories with a few sophisticated analytical instruments. Several of our students have qualified various competitive examinations such as JRF/NET, SLET, GATE etc.

Objectives of the Camp

The free 3-day hands-on practical chemistry camp will ensure that the participating students experience a true taste of university chemistry in a fun way.

The specific objectives of the camp are to:

- Interact with senior researchers in chemistry.
- See and work on exiting chemical reactions.
- To enjoy a taste of life staying at hostels.
- Interact with like-minded students from other schools.
- Participate in fun activities in evening.

Laboratory Activities for the Participating Students

- **Slime!** : Turning glue into slime and into bouncy ball.
- **Clock reactions:** Setting up Landolt clock and discovering most fascinating chemical reactions.
- **Crystallization:** Grow crystals from table salt, sugar, Epsom salts, alum and potassium nitrate.
- **Forensic Challenge:** Test tube reactions to test for the non-metal part of salts.
- **Hydrogel Investigation:** Investigate how water interacts with hydrogels and observe the interaction.
- **Colour Creation:** Produce six different coloured solutions red, orange, yellow, green, blue and violet from combination of universal indicator and chemicals.

Contact Persons

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