

PUNJAB STATE COUNCIL FOR SCIENCE & TECHNOLOGY

UTILIZATION CERTIFICATE

S. No.	Letter No. & date	Amount	
	Through email on February 26, 2024	Rs.20,000	Certified that out of Rs.20,000 of grant-in-aid sanctioned in favour of The Principal Guru Nanak College, Budhlada under PSCST letter no. given in the margin, a sum of Rs.20,000 has been utilized for the purpose of Two Days Celebrating National Science Day (27-02-2024 and 28-02-2024) for which it was sanctioned.
Total		Rs.20,000	

1. The balance of Rs. Nil remaining unutilized at the end of the year has been deposited to PSCST (Vide No. _____ dated _____).
2. Certified that I have satisfied myself that the conditions on which the grant in aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of check exercised.

Sr. No.	Detail	Amount Spent (Rs.)
1.	Refreshment	Rs. 6,200/-
2.	Stationary	Rs. 4,070/-
3.	Cloth Bags	Rs. 3,369/-
4.	Trophies, Brochure, design, Certificates, Flexes	Rs. 6390/-
	Total	Rs. 20,029/-

U DIN: 245501278K92403403

Dated: 30-03-2024

Accountant
Guru Nanak College
Budhlada

Principal
Guru Nanak College
Budhlada (Mansa)



Sign
Designation

Head
Deptt. Of Science
Guru Nanak College
Budhlada (Mansa)

Celebration of National Science Day-2024 in Punjab

From: KULBIR SINGH BATH (kulbirsingh.bath@punjab.gov.in)

To: gncbudhlada@yahoo.co.in

Cc: dr.jatindersinghap@gmail.com

Date: Monday, 26 February, 2024 at 01:00 pm IST

n/s
Dr. Jalinder Singh
Sci
①

Guru Nanak College
Budhlada (Mansa)

Sub: Celebration of National Science Day-2024 in Punjab

Sir/Madam,

With reference to your proposal seeking financial assistance for carrying out activities under NSD-2024. The proposal was scrutinized by a Committee of Experts constituted by the Council. Based on the recommendations, the Council is pleased to sanction an amount of Rs.20,000/- to your organization for organizing Popular Science Talks; Exhibition, Competitions; Quiz; Hands-on-Scientific Experiments; Science with Fun & Waste to Best under Celebration of National Science Day-2024 on the focal theme of NSD-2024, i.e. **"Indigenous Technologies for Viksit Bharat"**. The sanctioned amount will be released by the end of this week through PFMS in the bank account provided by you.

In addition to the organization of the activities proposed by your organization, this year, a week-long Science Carnival has been planned by S&T Councils from 26th February to 3rd March on the following specific themes:

- 26th February 2024 : Science for Fitness
- 27th February 2024 : Girls in Science
- 28th February 2024 : NSD celebration
- 29th February 2024 : Basic Science
- 1st March 2024 : New & Emerging Technologies including AI/Machine Learning
- 2nd March 2024 : Science with Fun
- 3rd March 2024 : Mission LiFE (Lifestyle for Environment)

For all the participating organizations/institutes under NSD-2024, it is obligatory to participate on each day in this Science Carnival (26th February to 3rd March). In addition:

- Each participating organization will also share and propagate the NSD

23585
28/2/24

programmes and activities for broader outreach & wider participation through print, electronic & social media platforms. The banner material should prominently display the information attached as **Annexure-I**.

All participation organizations should have a common tag of #NSD2024 with tagging to #NCSTC@IndiaDST, @sharmarashmi123, @karandi65, @DrJitendraSingh, @PMOIndia, @PSCST_GoP, @JKAroraEDPSCST and @KSBathPSCST

NCSTC, DST, GoI will prepare few TVC promo for National Science Day in English and Hindi, which would be shared and followed by all.

Further, it is intimated that:

All participating organizations under NSD-2024 will send invitation to the Council giving prior intimation about the event.

Impact assessment of various events under NSD-2024 should be appropriately compiled in the form of graphs and high quality photographs of each event should be sent to PSCST.


It is mandatory to submit proper Project Completion Report & Utilization Certificate (UC) immediately after completion of the activities. Original bills of expenditure should be maintained as per PFMS EAT guidelines. The format for Report Compilation and UC is attached as **Annexure-II & Annexure-III**.


Further correspondence in this regard be made to Dr. Mandakini Thakur, Project Scientist at her email ID: mandakini.thakur@punjab.gov.in.


Thanking you,

Dr. K.S. Bath,
Joint Director (Science & Environment Outreach)
Punjab State Council for Science & Technology,
Sector 26, Chandigarh.



 Annexure-I - Banner NSD-24.docx
68.5kB

 Annexure-II - Project Completion Report Format NSD-24.docx
13.8kB

 Annexure-III - FORMAT UC.doc
29kB

Project Completion Report

Celebration of National Science Day-2024 in Punjab Theme: Indigenous Technologies for Viksit Bharat

1.	Activity(s) conducted	1. Popular Science Talks 2. Science & Technology Exhibition and Exposures 3. Science project making competitions
2.	Name and address of the Organization/Institution, along with E-mail ID, Telephone/Mobile number	Dr Narinder Singh (Principal) Guru Nanak College Budhlada, Bareta Jakhal Road Budhlada gncbudhlada@yahoo.co.in +9198764-42759
3.	Name and Designation of the Key persons of the Organization	Dr Jatinder Singh HOD Science (Coordinator) dr.jatindersinghap@gmail.com Phone no. +9175087-68380
4.	Place and Date (s) of the event	27/02/2024 - 28/02/2024
5.	Details of Target Group	27/02/2024: College Students(225),Teaching And Non Teaching Staff(30) Total = 255 28/02/2024: College Students(315),Teaching And Non Teaching Staff (30) Total = 345
6.	No. of Participants who participated	27/02/2024: 75 28/02/2024: 125 Total = 200
7.	Details of Event and significant outcome	Attach separately as Annexure-I
8.	Impact Analysis of the event	Attach in the form of graphs/pie-charts as Annexure-II
9.	High Quality Photographs of Event	Attach separately as Annexure-III (4-5 pictures)
10.	Social media posts and Press Clippings	Attach separately as Annexure-IV
12.	Utilization Certificate and Original bills of expenditure	Attach as Annexure-V

Date and Place:

Signature of the Coordinator

Department of Science
celebrated
National Science Day
Theme: Indigenous Technologies for Viksit Bharat
February 27-28, 2024

On February 27, 2024, the Department of Science at Guru Nanak College Budhlada marked National Science Day with a vibrant celebration focused on the theme "Science for Girls." With the generous grant provided by the Punjab State Council for Science and Technology and the National Council for Science and Technology Communication, the event aimed to promote and empower girls in the field of science. The day was filled with engaging activities and insightful experiments designed to inspire young minds and foster a passion for scientific inquiry among girls. Through this initiative, the department endeavored to break gender stereotypes and encourage more girls to pursue careers in science, contributing to a more diverse and inclusive scientific community.

Students organized Hands-on experiments to raise awareness about food adulteration and promote healthy lifestyles. They engage students in various experiments and demonstrations. They showcased common food adulterants and demonstrated simple tests to detect them, such as the use of chemical reagents to identify the presence of harmful substances. By providing hands-on experiences, students not only raised awareness about food adulteration but also empowered others to make healthier lifestyle choices based on scientific knowledge. The students of graduate and post graduate students check soil pH by taking samples from different areas. Students also check hardness of water by taking samples of water from different areas. Further, students also study the acidity in different fruits, vegetables and tea leaves. Students determined surface tension of water and different liquids using Stalagmometer.

Dr. Jatinder Singh, as the head of the Department, enthusiastically imparted knowledge to students about C.V. Raman and his pivotal role in the field of science. Through engaging discussion he illuminated Raman's groundbreaking contributions to Physics, particularly his discovery of the Raman Effect, which revolutionized spectroscopy and earned him the Nobel Prize in Physics in 1930.

Dr. Rishi Kumar, by emphasizing Raman's perseverance, curiosity, and ingenuity, instills in his students a profound appreciation for the pursuit of knowledge and the importance of scientific discovery. With infectious enthusiasm, he encourages them to follow in Raman's footsteps, fostering a new generation of aspiring scientists eager to make their own mark on the world of research and innovation. His motivating words ignite a spark of curiosity and nurture the potential of his students leaving an indelible impression, shaping the future of scientific exploration for years to come.

Dr. Rajdeep kaur co-ordinated this whole event and emphasized Raman's scientific methodology, perseverance, and interdisciplinary approach, inspiring students to emulate his dedication and ingenuity in their own academic pursuits. By contextualizing Raman's achievements within the broader landscape of scientific innovation, she also fostered a deeper appreciation for the significance of curiosity-driven research and its enduring impact on society.

The rest staff of Department of Science i.e Dr. Dhruva Kumar, Dr. Hardeep Singh, Bhupinder kaur, Ashu Sharma, Harwinder kaur, Rajveer kaur, Harinder kaur, Sukhmanpreet Kaur and Gagandeep kaur (working as Assistant Professors) play great role in handling and success of the event. Gurjeet Singh and Sukhpreet Singh (Lab Assistants) were also present. The success of event reflects Guru Nanak College's commitment to promote scientific knowledge among the youth. The Department of Science extends gratitude to the Punjab Council of Science and Technology and National Council for Science and Technology Communication for their support.

The Department of Science at Guru Nanak College Budhlada organised a grand celebration for National Science Day on February 28, 2024, centered around the theme of "Indigenous Technologies for Viksit Bharat". The event was graced by esteemed guest Mr. Manmeet Singh, an alumnus of the Science Department from the 2016-19 batch, currently serving as a Flying Officer in the Indian Air Force. The celebration was a testament to the Department's commitment to promoting scientific inquiry and innovation.

Various competitions were organized to engage students and enthusiasts in thought-provoking activities. These included declamation, debate, handicraft, quiz, poster making, and model making contests, each designed to encourage participants to explore and showcase their knowledge and creativity.

The generous grant provided by Punjab State Council for Science and Technology and the National Council for Science and Technology Communication amplified the impact of event and reach within the community.

Through this celebration, the Department of Science not only commemorated the legacy of Sir C.V. Raman but also inspired a new generation of scientists and innovators to contribute towards the advancement of indigenous technologies for the development of the nation. The event served as a platform for collaboration, learning, and appreciation of the role of science in shaping a brighter future for India.

Dr. Narinder Singh, the Principal of the college, also attended the event and graced the occasion with his presence, reaffirming the institution's commitment to promoting scientific education and research. Dr. Jatinder Singh, the Head of the Department offered words of encouragement and inspiration to the participants. Dr. Rishi Kumar also added to the significance of the event, highlighting the institution's commitment to fostering scientific education and research excellence. The meticulous organization of the event was overseen by Dr. Rajdeep Kaur, ensuring smooth coordination and execution.

At the conclusion of the event, prizes and certificates were distributed to the deserving students, acknowledging their exemplary performances and contributions towards promoting scientific awareness and innovation. In the debate competition, Babandeep Kaur, Amandeep Kaur, Gagandeep Kaur, Khushpreet Kaur, Tarun Jindal, and Simranjot Kaur emerged as the winners, showcasing their eloquence and critical thinking skills. In the Handicraft

competition, Rupinder Kaur and Jashanpreet Kaur secured the first position, demonstrating exceptional creativity and craftsmanship, while Jasmine clinched the second position, and Dviti, Jashanpreet Kaur, and Amandeep Kaur secured the third position with their remarkable creations. Reena, Harmaldeep Kaur, and Harmanpreet Singh claimed the top three positions in the declamation competition, captivating the audience with their powerful oratory and expressive delivery. Priyanka, Sonpreet Kaur, and Jashanpreet Kaur showcased their artistic talents in the poster making competition, securing the first, second, and third positions respectively with their visually striking compositions. Priyanka, Omika, Yashika, and Bobby emerged victorious in the quiz competition, demonstrating their extensive knowledge and quick thinking. Kunal Jindal, Prachi Goyal, Tushar, and Mehakdeep Kaur showcased their innovation and technical prowess, securing the first position in the model making competition, while Sukhmandeep Kaur and Deepanshu claimed the second position, and Deepanshu, Jasmine, Diksha, Manpreet, Isha, Jyoti, Jasdeep Kaur and Harjeet kaur secured the third position with their impressive creations. Jasmine, Diksha, Manpreet Kaur, Khushpreet Kaur, Husanpreet Kaur and Deepanshu excelled in the hands-on experiment, securing the first position, followed by Veerpal Kaur and Komal in the second position, and Tarun Jindal and Khushpreet Kaur in the third position, showcasing their practical skills and scientific acumen.

The rest staff of Department of Science i.e Dr. Dhruva Kumar, Dr. Hardeep Singh, Bhupinder Kaur, Ashu Sharma, Harwinder Kaur, Rajveer Kaur, Harinder Kaur, Sukhmanpreet Kaur and Gagandeep Kaur (working as Assistant Professors) play great role in handling and success of the event. Gurjeet Singh and Sukhpreet Singh (Lab assistants) were also present.

The success of event reflects Guru Nanak College's commitment to promote scientific knowledge among the youth. The Department of Science extends gratitude to the Punjab Council of Science and Technology and National Council for Science and Technology Communication for their support.

Science Carnivals feature wide variety of events. Outcomes from the event are mentioned below


1. Discussed achievements, activities, and efforts of famous personalities in the field of Science & Technology.
2. This platform helped to develop various skills of students such as critical thinking, problem solving, time management and communication by applying the principles of scientific methods.
3. Present event helped to spread awareness of the power of science and technology on current issues in the world and how science can solve those issues.
4. Hand on activities enhanced practical aspect of student in field of Science

(27/02/2024) Timing: 11:00 am		
Name of Event	Theme	Incharge
Hands on Scientific Experiments	1. Food adulteration 2. Testing of Soil pH 3. Testing of water hardness 4. Study of acidity of fruits, Vegetables and tea leaves 5. Determination of surface tension of water and different liquids	Dr. Rajdeep Kaur (8146307009) Ms. Bhupinder Kaur (9781055935)
Documentary	The Elephant Whisperer	Ms. Harwinder Kaur (6239365928) Ms. Sukhmanpreet Kaur (9501145748)
(28/02/2024) Timing: 10:00 am		
Competitions: Science Quiz	General Science and Technology	Dr. Rajdeep Kaur (8146307009)
Poster making	Science and Technology	Ms. Harwinder Kaur (6239365928)
Working/non working models	Science and Technology	Ms. Harwinder Kaur (6239365928) Ms. Sukhmanpreet Kaur (9501145748)
Declamation	Topics: 1. Role of women in Science 2. Indigenous Technologies for Viksit Bharat 3. Healthy Lifestyle 4. Artificial Intelligence and Machine Learning	Dr. Rajdeep Kaur (8146307009) Ms. Ashu Sharma (9877473386)
Debate	1. Indigenous Technologies for Viksit Bharat 2. Advantages and disadvantages of advance technologies 3. Use and misuse of phones and Internet.	Dr. Rajdeep Kaur (8146307009) Ms. Ashu Sharma (9877473386)
Waste to best (Handicraft)	1. Making plant pots, bags, decorative items from waste materials	Ms. Harinder Kaur (9915432724) Ms. Gagandeep Kaur (8146153315)
Exhibitions	Plant Utilization Healthy Lifestyle Posters/Models	Ms. Bhupinder Kaur (9781055935) Dr. Hardeep Singh (9878759911)
Science with Fun	Funny Games	Dr. Rajdeep Kaur (8146307009)


For further queries contact to:

Dr. Jatinder Singh (Head, Department of Science)
Convener
Contact: 75087-68380

Dr. Rajdeep Kaur
(Co-ordinator)
Contact: 81463-07009




Celebration of National Science Day-2024 in Punjab



Theme NSD-2024:
'Indigenous Technologies for Viksit Bharat'

Event Catalyzed & Supported by:
Punjab State Council for Science & Technology (PSCST)
&
National Council for Science & Technology Communication (NCTSC)
Department of Science & Technology (DST), Govt. of India

Organized By:
**Department of Science,
Guru Nanak College Budhlada**



Invitation

The Organising committee invites students of Undergraduate and Postgraduate of Guru Nanak College, Budhlada to participate in this event to be held on February 27-28, 2024. The event shall include Poster, models, Plant utilization exhibitions, Handicraft (making pots, bags, decorative items using waste materials), Declamation, Debate, Quiz competitions, Hands on Scientific Experiments, Documentary on The Elephant Whisperer, Science with Fun (Games), working models and projects presentations.

About National Science Day (NSD)

Department of Science of Guru Nanak College, Budhlada is celebrating National Science Day 2024 (NSD) on theme "Indigenous Technologies For Viksit Bharat" being sponsored by Punjab State Council of Science & Technology. Celebrating NSD aim is to discuss all issues and implement new technologies for the development in field of science, encourage youth to develop interest and understand the importance of science and technology, platform for showcasing the talents and skill of students and enable students to enjoy science concepts and to engage them on scientific issues.

About Institution

Guru Nanak College (NAAC Accredited 'A++' Grade) affiliated to Punjabi University, Patiala (listed in 12(B) & 2(f) sections of UGC Act 1956) is situated on the outskirts of Budhlada city - a small town of district Mansa in Punjab. To tribute the 500th birth anniversary of "Sri Guru Nanak Dev Ji", it was started in 1971 by some eminent personalities of the region to keep in mind the noble cause of making affordable education accessible to all the people of this backward, rural and remote area. At present, it has become the foremost organisation in the area, having 16 PG and 12 UG courses (including O3 skill-development vocational and industry oriented courses).

About Science Department

Our department of Science is at the forefront of scientific exploration, conducting ground breaking research in diverse fields of Chemistry, Physics, Zoology and Botany at Guru Nanak College Budhlada. Some highlights of department strength are:

- Dynamic, updated academic programs in BSc (Medical and Non Medical), MSc in Chemistry and Physics under Curriculum of Punjabi University Patiala.
- Renowned PhD and NET quality faculty fostering excellence.
- State-of-the-art labs for hands-on learning sponsored by Department of Biotechnology (DBT).
- Interdisciplinary approach for holistic understanding amongst the students.
- Strong industry tie ups and MoU's for practical experience, field and industrial visits, field projects.
- Abundant research opportunities for critical thinking of students.
- Global perspective through collaborations with the institutions of National importance.
- Support services for academic and personality growth of the students.
- Emphasis on diversity, creating an inclusive community.

Organising Team

Patron

Dr. Narinder Singh

Principal, Guru Nanak College, Budhlada

Dr. Rekha Kalra

Vice Principal, Guru Nanak College, Budhlada

Organising Committee

Dr. Jatinder Singh (Head, Department of Science), Co-ordinator

Dr. Rishi Kumar (Head, Department of Physics)

Dr. Dhruva Kumar (Department of Chemistry)

Dr. Hardeep Singh (Department of Physics)

Dr. Rajdeep Kaur (Department of Chemistry) Co-coordinator

Ms. Bhupinder Kaur (Department of Chemistry)

Ms. Harinder Kaur (Department of Physics)

Ms. Harwinder Kaur (Department of Botany)

Ms. Sukhmanpreet Kaur (Department of Zoology)

Ms. Ashu Sharma (Department of Physics)

Ms. Jaspreet Kaur (Department of Physics)

Ms. Rajvir Kaur (Department of Chemistry)

Ms. Ashu (Department of Chemistry)

Mr. Gurjit Singh (Senior Lab Assistant)

Mr. Shukarjeet Singh (Lab Assistant)

Mr. Sukhpreet Singh (Lab Assistant)





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<p>ਭਾਗ ਨਾਕਾ ਸਮਾਜਿਕ ਸੇਵਾ ਦੇਵੇ ਸਮਾਜਿਕ ਸੇਵਾ ਨੂੰ ਅਧਿਕਾਰ ਭਾਗ ਨਾਕਾ ਸਮਾਜਿਕ ਸੇਵਾ ਦੇਵੇ ਸਮਾਜਿਕ ਸੇਵਾ ਨੂੰ ਅਧਿਕਾਰ ਭਾਗ ਨਾਕਾ ਸਮਾਜਿਕ ਸੇਵਾ ਦੇਵੇ ਸਮਾਜਿਕ ਸੇਵਾ ਨੂੰ ਅਧਿਕਾਰ ਭਾਗ ਨਾਕਾ ਸਮਾਜਿਕ ਸੇਵਾ ਦੇਵੇ ਸਮਾਜਿਕ ਸੇਵਾ ਨੂੰ ਅਧਿਕਾਰ</p>	<p>ਭਾਗ ਨਾਕਾ ਸਮਾਜਿਕ ਸੇਵਾ ਦੇਵੇ ਸਮਾਜਿਕ ਸੇਵਾ ਨੂੰ ਅਧਿਕਾਰ ਭਾਗ ਨਾਕਾ ਸਮਾਜਿਕ ਸੇਵਾ ਦੇਵੇ ਸਮਾਜਿਕ ਸੇਵਾ ਨੂੰ ਅਧਿਕਾਰ ਭਾਗ ਨਾਕਾ ਸਮਾਜਿਕ ਸੇਵਾ ਦੇਵੇ ਸਮਾਜਿਕ ਸੇਵਾ ਨੂੰ ਅਧਿਕਾਰ ਭਾਗ ਨਾਕਾ ਸਮਾਜਿਕ ਸੇਵਾ ਦੇਵੇ ਸਮਾਜਿਕ ਸੇਵਾ ਨੂੰ ਅਧਿਕਾਰ</p>
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ਲੀਜ਼, ਲੀਜ਼, ਜਲਾਈਓਂ ਕੋਰ ਅਤੇ ਹਲੀਜ਼
ਨੇ ਨਹੀਂ ਘਪਾਇਆ। ਪ੍ਰਭਾਵਦਾਤਾ ਲਗਾਤਾਰ
ਨਿਰੰਤਰ ਸਮਰਪਣ ਰਾਸ਼ੀ ਕੀਤਾ। ਲੀਜ਼ਮੰਦਰ,
ਦੀਰਘ, ਸਮੁੱਚੀ ਤਰ੍ਹਾਂ, ਖੁਸ਼ਮਤੀ ਕੋਰ,
ਹੁਸਮਤੀ ਕੋਰ ਅਤੇ ਦੀਰਘ ਨੇ ਹੋਵੇ-ਅਨ
ਪ੍ਰਤਿਕਿਤ ਵਿਚ ਜਲਾਤਾਰ ਪ੍ਰਭਾਵਨ ਕਰਕੇ ਹੋਵੇ
ਪ੍ਰਤਿਕਿਤ ਸਾਥ, ਦੀਰਘ ਕੋਰ ਅਤੇ ਹੋਵੇ
ਦੂਜੇ ਸਾਥਾਂ ਨੂੰ ਅਤੇ ਭੁੱਤਿਤ ਜਲਾਤਾਰ ਅਤੇ
ਖੁਸ਼ਮਤੀ ਕੋਰ ਨੇ ਹੋਵੇ ਸਾਥਾਂ ਨੂੰ ਪ੍ਰਭਾਵਨ
ਕੀਤਾ। ਅੰਗੇਜ਼ ਵਿਚ ਹੋਵੇ ਵਿਚਿਤਰਾਧੀ
ਨੂੰ ਇਕੱਠਾ ਅਤੇ ਲਗਾਤਾਰੀ ਕੀਤਾ ਹੋਵੇ।
ਇਸ ਲੋਕੋ ਸਾਥਿਕ ਵਿਚਾਰਾਂ ਦੇ ਹੁੰਦੇਸ
ਸਾਥਿਕਤਾ ਦੇ ਹੋਵੇ ਅਧਿਕਾਰ ਅਧਿਕਾਰ
ਸੇਧ ਰਾਹੀਂ ਹੋਵੇ ਲਗਾਤਾਰੀ ਕੀਤਾ ਹੋਵੇ।
ਦੇ ਰਾਜਦੀਪ ਕੋਰ ਨੇ ਲਗਾਤਾਰੀ