



**REPORT**

**On**

**CELEBRATION OF NATIONAL SCIENCE DAY**

**February 28, 2022**

**Organized by**

**Patharkandi College, Patharkandi**

**Karimganj-788724**

### About Patharkandi College

Patharkandi College is a premier institute of higher learning in southern Assam. The college, established in 1990 is recognised under 2(f) and 12(b) of the UGC Act, 1956 and is permanently affiliated to Assam University Sikkhar. This college offers UG Programmes in Arts and Science. Situated on the foothills of Rajbari, Patharkandi near Indo - Bangladesh border, this college is playing a significant role for last two and half decades in the field of Higher Education of this remote region. With over two thousand intake capacity and excellent backing of the on-campus support services this providinalised college under the Government of Assam, provides quality education to the students from all the three districts of Barak Valley of Assam and the neighbouring states of Mizoram, Manipur, Nagaland and Tripura. Patharkandi College has twelve departments, thirty faculty members drawn from the best pool of the country and over fifteen non-teaching support staff always ready to facilitate the academics.



### About the Celebration of National Science Day, 2022

To match with the theme, our College is celebrating National Science Day this year to motivate and raise awareness among the participants by organizing various competitions and talks relating to the theme to understand the importance of sustainability & sustainable living.

### Organising Committee

#### ► Chairperson

Dr. Mojibur Hoque  
Principal, Patharkandi College  
Patharkandi, Assam

#### ► Co-ordinator

• Dr. Mimi Sikia  
Asst. Prof. & Head, Department of Mathematics  
Patharkandi College, Patharkandi, Assam

#### • Dr. Pradij Doley

Asst. Prof., Department of Botany  
Patharkandi College, Patharkandi, Assam

#### ► Co-ordinators

- Biman Kanti Nath, Asst. Prof., Dept. of Mathematics, Patharkandi College
- K. Tanna Singha, Asst. Prof., Dept. of Botany, Patharkandi College
- Sreety Nath Barbhuiya, Asst. Prof., Dept. of Zoology, Patharkandi College
- Derhasad Basumatary, Asst. Prof., Dept. of Physics, Patharkandi College

#### ► Members

- Dr. Dimpal Paul, Asst. Prof., Dept. of Physics, Patharkandi College
- Dr. Abhijit Dutta, Asst. Prof. & Head, Dept. of Chemistry, Patharkandi College
- Dr. Tanvir Hussain, Asst. Prof. & Head, Dept. of Physics, Patharkandi College
- Dr. Amarendranath Choudhury, Asst. Prof. & Head, Dept. of Zoology, Patharkandi College
- Dr. Saugata Purkayastha, Asst. Prof., Dept. of Mathematics, Patharkandi College
- Satarupa Deb, Asst. Prof., Dept. of Zoology, Patharkandi College
- Salim Uddin Tapadar, Asst. Prof., Dept. of Philosophy, Patharkandi College
- Istiaque H Mazumder, Asst. Prof., Dept. of Philosophy, Patharkandi College

### Contact Details

■ For any query contact  
970775630, 910109064, 9854978105



**PATHARKANDI  
COLLEGE**



**CELEBRATION OF  
NATIONAL SCIENCE DAY  
28<sup>th</sup> FEBRUARY, 2022**



**THEME**  
**Integrated Approach In  
Science And Technology  
For Sustainable Future**

### EVENTS

#### ► Model presentation

Futuristic and Innovative models are invited from the interested participants on the theme:

**"Integrated Approach In Science And Technology For Sustainable Future"**

#### → Instructions for participants:

- Size of the model should be within the dimension of 70 cm x 55 cm.
- It should be theme-based.
- For description of the model, 3-5 mins will be given.
- Each model can be presented by not more than 2 (two) members.
- Students from Class VIII, IX and XI are eligible for participation

#### ► Quiz competition

#### → Instructions for participants:

- Only undergraduate students (UG) can participate.
- Each participating group will have 2 (two) members.
- Quiz questions will be theme-based and science related.

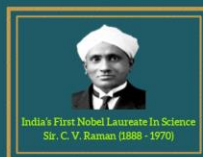
### PRIZES/CERTIFICATES

- Certificate of participation will be given to all.
- Model presentation (1<sup>st</sup> prize, 2<sup>nd</sup> prize and 3<sup>rd</sup> prize)
- Quiz competition (1<sup>st</sup> prize, 2<sup>nd</sup> prize and 3<sup>rd</sup> prize)

### REGISTRATION

- No registration fees
- On-spot Registration
- Time: 9:30 AM to 10 AM
- Date: 28<sup>th</sup> February, 2022
- Venue: Patharkandi College, Patharkandi

### NATIONAL SCIENCE DAY



India's First Nobel Laureate in Science  
Sir. C. V. Raman (1888 - 1970)

National Science Day (NSD) is celebrated every year all over India on 28<sup>th</sup> February to mark the discovery of Raman Effect by our Nobel Laureate and great Indian Physicist 'Sir Chandrasekhara Venkata Raman (C.V. Raman)'. This day is venerated in honour of C.V. Raman for his ground-breaking discovery Scattering of light-Raman effect on 28<sup>th</sup> February in 1928 for which he was awarded Nobel prize in the year 1930. It was the first Nobel prize won by any Indian in the field of Science. Since 1987, every year nation celebrates National Science day to spread the message of importance of science and its application among the people. It is a day to innervate young minds and to impart scientific spirit.

### Purpose of National Science Day

The basic objective of observation of National Science Day is to spread the message of importance of science and its application among the people. National science day is celebrated as one of the main science festivals in India every year with following purpose-

- To widely spread a message about the significance of scientific applications in the daily life of the people
- To display all the activities, efforts and achievements in the field of science for welfare of human being
- To discuss all the issues and implement new technologies for the development of the science
- To give an opportunity to the scientific minded citizens in the country
- To encourage the people as well as popularize the Science and Technology

### INVITED SPEAKERS

#### Session 1

**DR. SADHAN MAHAPATRA**  
Associate Professor, Department of Energy,  
Tezpur University Tezpur, Assam-784028, India

**Topic:** Sustainable campus initiatives in higher learning institute

#### Session 2

**DR. MRINAL KANTI BHATTACHARYA**  
Rtd. Principal, Karimganj College, Karimganj,  
Assam-788710, India

**Topic:** Vermicomposting : an amazing way to turn trash into nutrient - dense soil

#### Session 3

**MR. ASHOK BIJOY DAS**  
Assistant Executive Engineer  
PHE subdivision office Patharkandi,  
Karimganj, Assam-788724, India

**Topic:** Ground water recharge and sustainability of rainwater harvesting

### Important Details

Session 1 will be online and other two sessions will be offline. Interested participants can join the session 1 at 10:30 AM by clicking the link provided below:

<https://meet.google.com/nzs-yjqo-ft>



CELEBRATION  
of  
NATIONAL SCIENCE DAY  
THEME: "INTEGRATED APPROACH IN SCIENCE AND TECHNOLOGY  
FOR SUSTAINABLE FUTURE"

Organized by Patharkandi College, Patharkandi

PROGRAMME SCHEDULE

FEBRUARY 28, 2022

CO-ORDINATORS: Dr. Munmi Saikia, Head, Department of Mathematics,  
Patharkandi College, Patharkandi

Dr. Pradip Doley, Assistant Professor, Department of Botany,  
Patharkandi College, Patharkandi

9:30AM	Registration	
INAUGURAL SESSION		
10:00 AM	Anchor begins the Programme Anchor: Sharmina Parveen, 1 <sup>st</sup> Sem student of Department of Zoology	
10:01 AM	Lighting of Lamp & Floral Tribute to Sir CV Raman	3 mins
10:05AM	Felicitation of the speakers	2mins
10:07AM	Solo Song by Student of Department of Zoology	1min
10:08 AM	Welcome Address by Co-Ordinator, Dr. Munmi Saikia	3 mins
10:12 AM	Address by Dr. Monjurul Hoque, Principal, Patharkandi College	3 mins

SESSION – I (ONLINE)		
10:19AM	Co-ordinator, Dr. Munmi Saikia starts the Session I with a brief introduction of the speaker	2 mins
10:21 AM	<b>Topic: Sustainable Campus Initiatives in Higher Learning Institute</b> <b>Speaker: Dr. Sadhan Mahapatra</b> Associate Professor, Department of Energy, Tezpur University	30 mins (Talk) + 10 mins (Q & A)
SESSION – II		
11:01 AM	Inauguration of Sustainable Goals, Green House, Vermicomposting Unit	30 mins
SESSION – III		
11:32 AM	Anchor starts the Session III	1 min
11:33AM	Brief introduction of the speaker by Satarupa Deb, Assistant Professor, Dept. of Zoology	1min
11:34AM	<b>Topic: Vermicomposting: an amazing way to turn trash into nutrient-dense soil</b> <b>Speaker: Dr. Mrinal Kanti Bhattacharya, Rtd. Principal, Karimganj College</b>	20 mins (Talk) + 10 mins (Q & A)
SESSION – IV		
12:04AM	Speech by student of Department of Physics on National Science Day	5min
12:09 PM	Speech by student of Department of Zoology on sustainable development	5 min
SESSION – V		
12:15PM	Quiz Competition	60mins
1:15 PM	Model Exhibition	60mins

*Callahan*  
25/10/2022  
Principal  
Patharkandi College  
Dist. - Karimganj, Pin- 788724

VALEDICTORY SESSION		
2:30PM	Anchor begins the session & Feedback form circulation	
2:31PM	Experience Sharing by Invited Speakers	10mins
2:41PM	Experience Sharing by participants	10mins
2:51PM	Prize Distribution Ceremony	15mins
3:06PM	Vote of Thanks by K Tamna Singh, Assistant Professor, Department of Botany, Patharkandi College	2mins

  
 25/02/22  
 Principal  
 Patharkandi College  
 Old - Kamrup, Pin-788724

**Report**  
**on**  
**National Science Day Celebration, 28<sup>th</sup> February, 2022**

The team of NAAC Criteria7 (Institutional values & Best Practices) along with other Faculty members of science stream, Patharkandi College, Patharkandi, Karimganj-788724, Assam organized the celebration of National Science Day on 28<sup>th</sup> February, 2022. The theme of celebration of this year National science day is "Integrated approach in science and technology for sustainable future", which was given by Department of Science & technology, Govt. of India. To match with the theme, our college celebrated National Science Day this year to motivate and raise awareness among the participants by organizing various competitions and talks relating to the theme to understand the importance of sustainability & sustainable living.

In the competitions around 30 students' participants from High school level to college level, from nearby schools & inhouse students actively participated. The Programme have been segmented by six sessions with two talks by two esteemed speakers from renowned institutions of the country and quiz & scientific model competitions. The day started with the Inaugural session in which anchor welcomed the audience and Floral tribute to Sir C.V. Raman was given by Dr. Monjurul Hoque, Principal, Patharkandi College, coordinators of the Programme and other faculty members of the college. Co-Ordinator of the celebration Programme Dr. Munmi Saikia, Assistant Professor & Head, Department of Mathematics, gave the welcome address and briefed the audience about the theme and objective of the celebration Programme. The session I was in the online mode, where invited speaker was Dr. Sadhan Mahapatra, Associate Professor, Department of Energy, Tezpur University gave a wonderful talk on the topic "Sustainable Campus Initiatives in Higher Learning Institute." In his lecture the speaker explained wonderfully the need of a sustainable campus and emphasized on how a higher Learning institute can take different measures and initiatives to make a campus sustainable with the support and coordination of the students of the institution. To match with the theme and to give the best foot forward towards a sustainable campus, in the session II, inauguration of sustainable goals: make a difference, greenhouse & vermicomposting units were done under active support & coordination from Dept. of Botany & science faculty members. In the session III, Dr. Mrinal Kanti Bhattacharya, Rtd, Principal, Karimganj College delivered a talk on Vermicomposting: an amazing way to turn trash into nutrient-dense soil. The speaker gave a very informative lecture about Vermicomposting. In his lecture speaker explained in a very elaborated way about the preparation of vermicomposting to use of vermicompost for plant growth & nutrition.

In the session IV, students were given a chance to speak on the occasion where, students from department of Zoology & department of Physics delivered speeches relating to the theme and celebration.

The Session V, was all about igniting students' enthusiasm for scientific thinking by holding Quiz & scientific model competitions relating to the theme.

The day long Programme was ended with the valedictory session. In the valedictory session the Principal, Patharkandi College Addressed the audience and gave assurance to support and encourage to conduct more such Programme for the betterment of academics and college. To acknowledge and encourage talent of the participants, prize distribution ceremony was held where winners and participants were given away their prizes & certificates. The Programme ended with the National anthem on a good note.

**Feedback Report:**

This report analyses the feedback on National Science Day – 2022 provided by the participants and audiences.

Overall, the content of the 'National Science Day 2022' Programme was highly appreciated by the participants. The purpose, results and outcomes were regarded as relevant and meaningful. Furthermore, participants felt that 'Vermicomposting: an amazing way to turn trash into nutrient – dense soil' was very insightful which was delivered by Dr. Mrinal Kanti Bhattacharaya. Other positive notes were that most of the participants really liked & enjoyed the Quiz competition & Model presentation.

However, the participants suggested to increase the number of events, for example Debate & extempore speech, in depth discussion of each issue. Furthermore, it was recommended to put more emphasis on the program management, such as by presenting the online session with the proper projector screen display and internet connection. Further, participants suggested for including all the Arts & science stream students equally in the near future.

**Report drafted by:** **Dr. Munmi Saikia**  
Co-Ordinator, Organizing Committee,  
Assistant Professor & HoD, Mathematics  
**Dr. Pradip Doley**  
Co-Ordinator, Organizing Committee,  
Assistant Professor, Department of Botany

**Submitted by:**

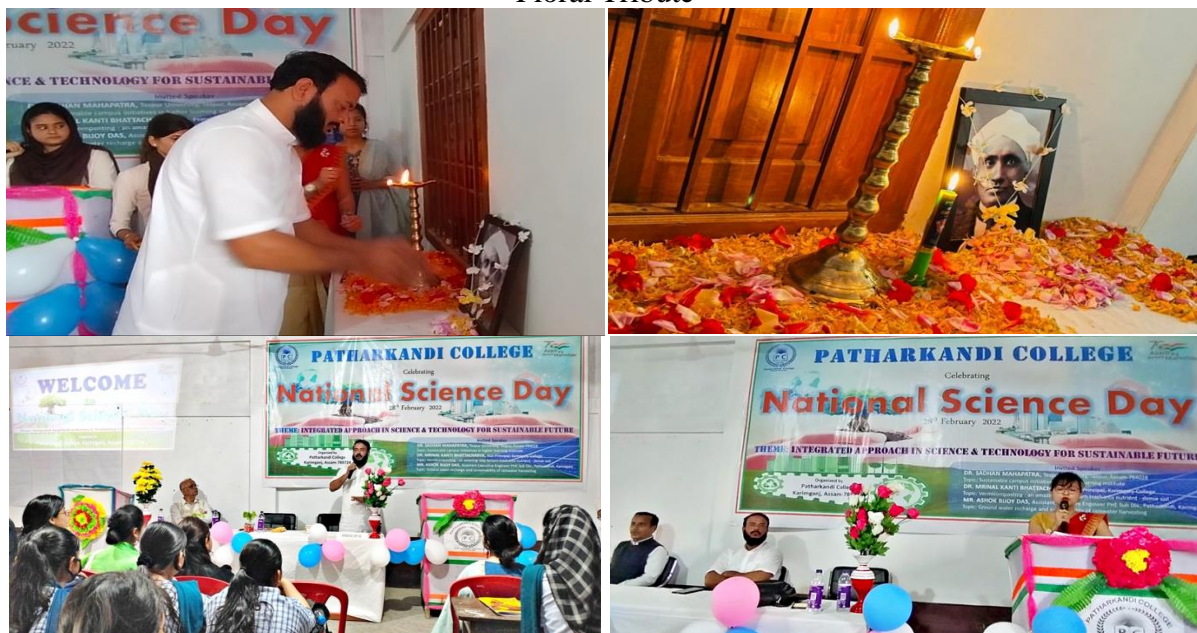
Organizing committee

Dr. Munmi Saikia, Co-Ordinator, Assistant Professor & HoD, Mathematics  
Dr. Pradip Doley, Co-Ordinator, Assistant Professor, Dept. of Botany  
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Derhasad Basumatary, Co-coordinator, Assistant Professor, Dept. of Physics

*Munmi Saikia*  
*Pradip Doley*  
*Sweety Nath Barbhuiya*  
*Biman Kanti Nath*  
*K Tamna Singha*  
*Derhasad Basumatary*

## A few glimpses during the Celebration

### Floral Tribute



Inaugural Speech by Dr. Manjorul Hoque, Principal,  
Patharkandi College

## Session I (Online)



Invited speaker Dr. Sadhan Mahapatra, Tezpur university



## Session II



Inauguration of College Sustainable Goal and Green house & Vermicompost Unit



### Session III



Invited talk by Dr. Mrinal Kanti Bhattacharya, Rtd. Principal, Karimganj College



### Session IV



Speech on theme by Student



Model Presentation

### Valedictory Session







Vote of Thanks by K. Tamna Singha