



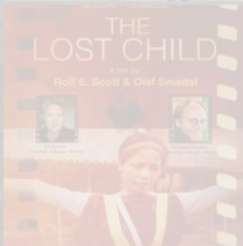
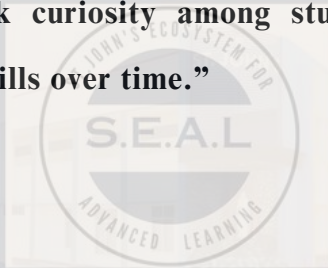
St John's Ecosystem for Advanced Learning (SEAL)



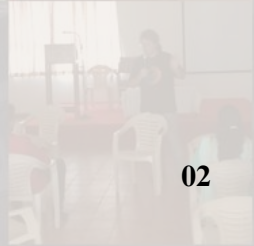


About SEAL

“St. John's College's flagship initiative, initiated during the 2018-19, SEAL embodies our commitment to creating and sustaining an academically rigorous and globally competitive environment within a rural college setting. The SEAL initiative represents a bold endeavour to transform a rural college into a hub of academic excellence and global engagement. SEAL operates as a 'smart' ecosystem, strategically designed to foster high-quality learning experiences, spark curiosity among students, and cultivate robust research skills over time.”



SEAL
ST. JOHN'S ECOSYSTEM
FOR ADVANCED LEARNING



SEAL OBJECTIVES



- To provide students and teachers opportunities to interact with nationally and internationally renowned scholars.
- To appoint faculty who have academic and research exposure from national and global institutions.
- To impart training to students for clearing all-India competitive examinations and getting admission into foreign universities with full or partial funding.
- To establish advanced research laboratories in every science department with sophisticated instrumentation facility.
- To encourage faculty to take up global assignments, enter into collaborations with globally renowned scholars and publish in international journals and books.



PRACTICE

- **Establishing Advanced Research Laboratories.**
- **Hiring globally experienced faculty.**
- **Helping students to prepare for All-India competitive examinations.**
- **Facilitating their admission into foreign universities.**
- **Encouraging faculty to pursue global assignments, collaborate with renowned scholars, publish in international journals and fostering a culture of internationalization within the institution.**



SEAL

& NEP PREPAREDNESS



In the wake of the implementation of NEP and four-year honours degree programmes, the management appointed Professor Nisha Thomas as the college principal. She obtained her M.Sc. (Hons.) degree from Punjab University, Chandigarh.



2025



By 2025, SEAL, the flagship initiative of St. John's College, Anchal, aims to significantly enhance its scholarly efforts in alignment with the United Nations Sustainable Development Goals (SDGs) to tackle critical global sustainability challenges. Several projects are already underway: researchers in the Chemistry department are making important strides in hydrogen extraction from water and exploring innovative CO₂ utilization methods. The Mathematics and Statistics department has initiated research on population dynamics and pandemic modeling, providing essential insights for pandemic preparedness. Meanwhile, the Political Science department, in its longstanding partnership with the Norwegian University of Science and Technology, is actively engaging with national and international media to raise public awareness about climate change. SEAL is dedicated to building on these initiatives by 2025, driving transformative research and fostering meaningful public impact on a global scale.

[Environment](#)

Climate change hardly a burning issue for Indian voters

Published on May 15, 2024

Despite voters waiting in 45-degree heat to cast their ballots, Indian democracy is yet to breed a new category of 'climate voters'.

Authors

Sajan Thomas
St. John's College, Anchal

Titto Idicula
St. Olavs Hospital, NTNU

Editors

Piya Srinivasan
Commissioning Editor, 360info

Chris Bartlett
Deputy Editor, 360info Asia-Pacific

DOI

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THE BUSINESS TIMES

Climate change hardly a burning issue for Indian voters

The electoral landscape is still conservative, with practically very little space for environmental politics

BT

Sajan Thomas and Titto Idicula

Published Mon, May 20, 2024 · 05:00 AM

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Sivaraj Rajendran, Sunesh S. Mani, Thazhath R. Nivedhitha, Anantha Krishnan Asoka, Pushkaran S. Arun, Thomas Mathew*, and Chinnakonda S. Gopinath*



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Abstract



Energy Advances

Volume 3, Issue 4, 18 April 2024, Pages 829-

840



Bimetallic and plasmonic Ag and Cu integrated TiO_2 thin films for enhanced solar hydrogen production in direct sunlight †

[Sunesh S. Mani](#), [Sivaraj Rajendran](#), [Pushkaran S. Arun](#), [Aparna Vijaykumar](#), [Thomas Mathew](#) ✉, [Chinnakonda S. Gopinath](#) ✉

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Punarjani



Re-generation @

**Chinnar
Wildlife
Sanctuary**

***Rooted in Science, driven by
Volunteerism***



ST. JOHN'S
COLLEGE, ANCHAL

In collaboration with



ST. JOSEPH'S
MISSION HOSPITAL

&



**Kerala Forest
Department**



Punarjani



Re-generation @

**Chinnar
Wildlife
Sanctuary**

Children of Chinnar – CHALLENGES



- **Poverty and Malnutrition**
- **Under-weight and vision problem**
- **Anemia and Goiter**
- **Poor medical facilities**
- **Lack of Awareness**
- **Geographical remoteness**
- **Single meal system**

The Punarjani Way

St. John's Students Act as Change Agents in Tribal Hamlets

- *Unique Identification Numbers*

EACH CHILD IS ASSIGNED A UNIQUE IDENTIFICATION NUMBER.

- *Healthcare Data Recording*

COMPREHENSIVE RECORDING OF TRIBAL CHILDREN'S HEALTHCARE DATA FROM 2016 TO 2024.

- *Rigorous Data Monitoring*

CONTINUOUS MONITORING OF HEALTHCARE DATA TO ENSURE ACCURACY AND RELIABILITY.

- *Training for St. John's Students*

STUDENTS ARE TRAINED AS PARAMEDICAL TEAMS TO SUPPORT COMMUNITY HEALTH.

- *Dental Care Awareness*

INITIATIVES TO PROMOTE DENTAL CARE AWARENESS WITHIN THE COMMUNITY.

- *Enhancing Healthcare Knowledge*

IMPROVING OVERALL HEALTHCARE KNOWLEDGE IN TRIBAL HAMLETS.



Punarjani



Re-generation @

**Chinnar
Wildlife
Sanctuary**

Children of Chinnar – CHANGES

- **Reduced malnutrition to 25 percent.**
- **Anemia declined to 20 percent.**
- **Eye problems identified through vision tests.**
- **Goiter eliminated.**
- **Heart diseases identified and referred.**
- **Boosted participatory forest management.**
- **Increased healthcare-seeking mentality.**

Participation list of students

Aaruni S Kumar

Akshara RS

Lekshmi B

Nifana N

Noufiya N

Shihana Beegam

Nanadhana Raju

Revathy MJ Pillai

Punarjani 2023-24 - Photos



Punarjani 2023-24 - Photos

