

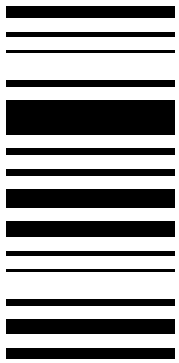
TECHNOIDAA

THE BI-MONTHLY NEWSLETTER

SEPT-OCT 2023

THE TECHNICAL MERAKI OF ARUNACHAL

VOL-VI ISS-5



DIRECTOR'S MESSAGE

Dear Readers,
Technodaya, Volume- VI, Issue- 5 is published and brought to your notice. In the past two months (September - October, 2023), our faculty members and officers have made significant progress in various academic, research, and outreach activities, which have become landmarks in our pursuit of overall excellence in technical education.

My whole-hearted wishes and congratulations to all who are involved directly and indirectly in the achievements, some of which are Dr. A. P. J. Abdul Kalam Jayanthi 2023 Celebration, Swachhata Hi Seva-2023, National Conference on "Sardar Vallabhbhai Patel", National Conference on "Maharishi Dayananda Saraswati", 8 research papers, and 1 patent in International/National Journals/Conferences, and so on. As outreach activities, Photography Competition and Designthon 2.0 were organized.



Prof. Ram Prakash Sharma
Director (i/c), NIT Arunachal Pradesh

I hope this issue will inspire and motivate our readers to continue pushing the boundaries of knowledge and excellence in their respective fields.

With Best Wishes!
Prof. Ram Prakash Sharma
Director (i/c)
NIT Arunachal Pradesh

EDITOR-IN-CHIEF'S MESSAGE



Dr. K. Vijayakumar
Assistant Professor
Dept. of Management and
Humanities

I am happy to bring you this issue of TECHNODAYA, and I would like to express my gratitude to my co-editors, Dr. Shubhajit Das, Assistant Professor, and Mr. Ashok R, Research Scholar, Department of Mechanical Engineering. I thank student-editors for their hard work to collect data and the design. I also extend my thanks to my colleagues for their insightful comments, which have helped to make this edition even better.

I would like to take this opportunity to invite all students, alumni, faculty members, officers, supporting staff, and stakeholders associated with NIT Arunachal Pradesh to support us by sending news and articles to technodaya@nitap.ac.in or newsletternitap@gmail.com.

We hope that you find this issue informative and engaging, and we welcome your feedback and suggestions.

RESEARCH & DEVELOPMENT



PATENTS

1. Loya. M., A.K. Atta, C. Malakar. (2023).
IN202331046716. HIINXLEGAL Law Office.

“TECHNOLOGY MAKES WHAT WAS ONCE IMPOSSIBLE POSSIBLE. THE DESIGN MAKES IT REAL.” – MICHAEL GAGLIANO

RESEARCH PAPERS

- Boje, D.Sahoo, S.K.Atta*, A.K. (2023). Sugar -based carboxamidoquinoline conjugate for sensing Cu^{2+} and Au^{3+} ions in water through different binding modes and real application. *Analytica Chimica Acta* 1277, 341539. <https://doi.org/10.1016/j.aca.2023.341539>
- Boje, D.Dey, B.Sahoo, S.K.Atta*, A.K. (2023). Triazole-linked amidopyrene-tagged fluorometric probe for Au^{3+} ions and pH control aggregation-induced emission. *Methods* 219, 119. <https://doi.org/10.1016/j.ymeth.2023.10.005>

- Boje, D. Sahoo, S. K. Atta*, A. K. (2023). Sugar -based carboxamidoquinoline conjugate for sensing Cu^{2+} and Au^{3+} ions in water through different binding modes and real application. *Analytica Chimica Acta* 1277, 341539. <https://doi.org/10.1016/j.aca.2023.341539>
- Boje, D. Dey, B. Sahoo, S. K. Atta*, A. K. (2023). Triazole-linked amidopyrene-tagged fluorometric probe for Au^{3+} ions and pH control aggregation-induced emission. *Methods* 219, 119. <https://doi.org/10.1016/j.ymeth.2023.10.005>
- Dey, B. Boje, D. Giri, S. Atta*, A. K. (2023). Bis-pyrene-containing fluorescent receptor for explosive picric acid and Au(III) via dynamic excimer quenching process in aqueous medium: Practical application. *Journal of Photochemistry and Photobiology A Chemistry* 447, 115293. <https://doi.org/10.1016/j.jphotochem.2023.115293>
- Balamurugan, R. Kumar, A Vanav. (2021). Mixed convection of transient MHD stagnation point flow over a stretching sheet with quadratic convection and thermal radiation. *Heat Transfer(0)*, 1-26. <https://doi.org/10.1002/htj.22965>
- Das, Abinash. Ringu, Togam M. Ghosh, Sampad. Pramanik, Nabakumar. (2023). Processing and biomedical applications of novel eco-sustainable fluconazole-loaded zinc oxide (ZnO) encapsulated chitosan (CS) biopolymer nanocomposite by inhibiting microbe species against candidiasis. *Materials Today Communications* 37, 107071. <https://doi.org/10.1016/j.mtcomm.2023.107071>
- Berlin, Mohanadhas, S. Deepa, Natarajan, Narayanan. (2023). Enhanced variational mode decomposition with deep learning SVM kernels for river streamflow forecasting. *Environmental Earth Sciences* 82(544). <https://doi.org/10.1007/s12665-023-11222-5>



WORKSHOP / FDP / CONFERENCE / SEMINAR / SHORT TERM COURSE ETC.



National Institute of Technology Arunachal Pradesh
Jote, Itanagar, Arunachal Pradesh, India - 791113

National Conference on
"Sardar Vallabhbhai Patel"
(31st October 1875 – 15th December 1950)
Celebration of the
148th Birth Anniversary
"Rashtriya Ekta Diwas, National Unity Day"
in Grand Culmination of
"Meri Matti Mera Desh" Campaign

DATE: 31st OCT 2023
TIME - 10 AM ONWARDS

Venue:
TEL Center, 2nd Floor, Academic Block – II,
NIT AP, Jote, Arunachal Pradesh, India-791113

Invited Speakers

Prof. Sunil Kumar
Vice Chancellor
Rajiv Gandhi Pradyogiki Vishwavidyalaya
Bhopal, Madhya Pradesh, INDIA-462033

Prof. Tomo Riba
Vice Chancellor
Arunachal Pradesh University
Pasighat, Arunachal Pradesh, INDIA-791102

Dr. Ramesh K. Arora
Chairman
Management Development Academy
Jaipur, Rajasthan, INDIA-302004

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Assistant Professor
Department of Electrical Engineering
National Institute of Technology
Arunachal Pradesh

Organizing Secretary
Dr. Kartick Mondal
Assistant Professor
Department of Chemical Engineering
National Institute of Technology
Arunachal Pradesh

Convenor
Dr. A Vanav Kumar
Associate Professor
Department of Basic and Applied Science
National Institute of Technology
Arunachal Pradesh

Manpower without unity is not a strength unless it is harmonized and united properly, then it becomes a spiritual power

National Conference on "Sardar Vallabhbhai Patel" on "148th Birth Anniversary Celebration of Sardar Vallabhbhai Patel & Rashtriya Ekta Diwas, National Unity Day" was organized by Dr. Kartick Mondal, Assistant Professor, Department of Chemical Engineering, in collaboration with Dr. Ralli Sangno, Assistant Professor, EE Department, NIT AP, Dr. A Vanav Kumar, Associate Professor, BAS Department, NIT AP, at NIT Jote, 2023-10-31.



National Institute of Technology Arunachal Pradesh
Jote, Itanagar, Arunachal Pradesh, India - 791113

National Conference on
"Maharishi Dayananda Saraswati"
140th ANNIVERSARY OF REMEMBRANCE DAY
(12th February 1824 – 30th October 1883)

DATE: 30TH OCTOBER 2023
TIME - 10 AM ONWARDS

Venue:
TEL Center, 2nd Floor, Academic Block – II,
NIT AP, Jote, Arunachal Pradesh, India-791113

Invited Speakers

Prof. Anil Shukla
Vice Chancellor
Maharshi Dayananda Saraswati University
Ajmer, Rajasthan, India - 305009

Prof. Narendra S Chaudhuri
Vice Chancellor
Assam Science and Technology University
Tezpur Road, Jorhat, Assam,
India - 781013

Dr. Meghna Sharma
Director Centre for Museum &
Documentation
Maharaja Ganga Singh University
Jaisalmer Road, Bikaner, Rajasthan INDIA 334003

ORGANIZING COMMITTEE

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Prof. (Dr.) Ram Prakash Sharma
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Organizing Chairman
Dr. A Vanav Kumar
Associate Professor
Department of Basic and Applied Science
National Institute of Technology
Arunachal Pradesh

Organizing Secretary
Dr. Kartick Mondal
Assistant Professor
Department of Chemical Engineering
National Institute of Technology
Arunachal Pradesh

Convenor
Dr. Ralli Sangno
Assistant Professor
Department of Electrical Engineering
National Institute of Technology
Arunachal Pradesh

National Conference on "Maharishi Dayananda Saraswati – 140th Anniversary of Remembrance Day" on "140th Anniversary of Remembrance Day of Maharishi Dayananda Saraswati " was organized by Dr. Kartick Mondal, Assistant Professor, Department of Chemical Engineering, in collaboration with Dr. A Vanav Kumar, Associate Professor, Department of Basic and Applied Science & Dr. Ralli Sangno, Assistant Professor, Department of Electrical Engineering, at TEL Center, NIT AP, Jote, Arunachal Pradesh, India – 791113, 2023-11-30.



National Conference on
Gandhi Jayanti
 2nd Oct 2023

Organised by
 NIT Arunachal Pradesh with Collaboration of NIT Meghalaya

Chief Guest
Dr. Atul Kothari
 National Organization General Secretary,
 Shiksha Sanskriti Utthan Nyas,
 New Delhi, India

Patron
Prof. Pinakeswar Mahanta
 Director NIT Meghalaya

Patron
Prof. Ram Prakash Sharma
 Director (I/C), NIT Arunachal Pradesh

Speaker
Prof. Ramesh Prasad Pathak
 (Professor, Former Head & Dean,
 Faculty of Education)

Speaker
Prof. Naresh Dadhich
 Emeritus Professor

Speaker
Dr. Suman Choudhary
 Eminent Gandhi Scholar

Convenor
Dr. M.M. Singh
 NIT AP

Dr. Atanu Singha Roy
 NIT Meghalaya

Organize Committee
Sangkee Sidisow
 Lishi Rika

Mangko Blange
 Gali Karthik

National conference on "Gandhi Jayanti" was organized by DrMMSingh Associate Professor MH Department, at TEL Center, 2023-10-02.

Awards



Dr. Nabakumar Pramanik, Associate Professor, CHE is the receiver of the Best Researcher Award of Composite Materials Awards, International Research Awards on Composite Materials, 2023-09.



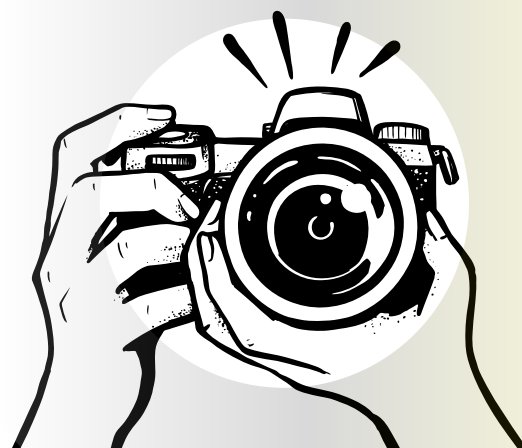
Reviewers

- Dr. Ananta Kumar Atta, Associate Professor, Basic & Applied Science served as a Reviewer of "Inorganica Chimica Acta". Elsevier. 2023-09-05.
- Dr. Ananta Kumar Atta, Associate Professor, Basic & Applied Science served as a Reviewer of "Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy". Elsevier. 2023-09-12.
- Dr. Ananta Kumar Atta, Associate Professor, Basic & Applied Science served as a Reviewer of "Methods". Elsevier. 2023-10-12.
- Dr. Nabakumar Pramanik, Associate Professor, CHE served as a Reviewer of "Biomass Conversion and Biorefinery". Springer Nature Publications. 2023-09-06.
- Dr. Nabakumar Pramanik, Associate Professor, CHE served as a Reviewer of "Journal of Drug Delivery Science and Technology". Elsevier Publications. 2023-10-18.
- Dr. Nabakumar Pramanik, Associate Professor, CHE served as a Reviewer of "Chemical Physics Impact". Elsevier Publications. 2023-10-17.
- Dr. Nabakumar Pramanik, Associate Professor, CHE served as a Reviewer of "Applied Surface Science Advances". Elsevier Publications. 2023-10-15.

Outreach Activities



- Photography Contest (Online) was organised by Dr. K. Vijayakumar, Nodal Officer, EBSB Cell, NIT Arunachal Pradesh in collaboration with Student Coordinators Novaneel Mandal(CSE/20/02), Dev Singh Kanyal (CSE/20/21), Neeraj Kumar (CSE/20/19), on the following THEMES: 1. Street Art and Graffiti – Street Art related to Indian Religions and Cultures. 2. Heritage Sites – Ancient Temples, Forts, Monuments etc. 3. Creative Souvenir – includes photos of Handicraft, Traditional Food Items and Cultural Art Pieces, 2023-09-15.





CONTEST RESULTS



Akash kumar - CSE 3rd year



Sanjana Gupta - EE 1st year



Ayush Raj - ECE 3rd year

Consolation winner



Uday Saha - ME 2nd year



Kireet Yagnik - ME 3rd year

Designathon 2.0

- Designathon 2.0 was organised by Dr. K. Vijayakumar, Assistant Professor, Faculty In-charge for Newsletter, NITAP in collaboration with Coding Club Members: Dev Singh Kanyal, Pursottam Sah, Daknya Bam, Chandrashekhar Tripathi B.Tech, Department of Computer Science & Engineering, on designing the bimonthly magazine from the draft generated on Technodaya portal and generate PDF, from 2023-09-15 to 2023-09-19.

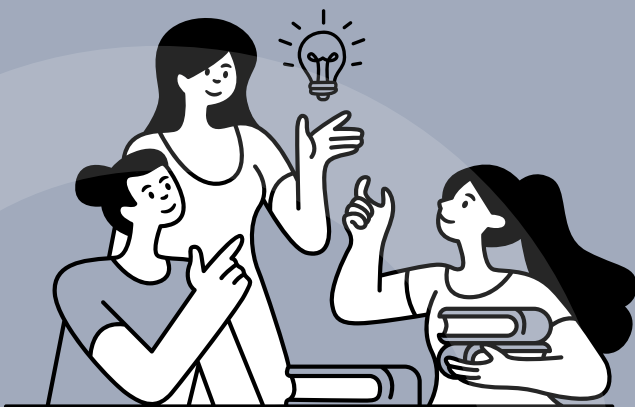
**TECHNODAYA
DESIGNATHON
2.0**

**RESULTS ARE
HERE!** 

Student Editors 2023-2024

AARYAN	DEVELOPER
KESHAV	DEVELOPER
RUPOM	DESIGNER
VANSHIKA	DESIGNER

CONGRATULATIONS!

- NIT Arunachal Pradesh celebrated teacher day was organised by NIT AP Jote, from 2023-09-05 to 2023-09-05.



- 123rd Birth Anniversary Celebration of Ashfaqullah Khan was organised by Dr. Kartick Mondal, Assistant Professor, Department of Chemical Engineering at NIT AP, Jote, 2023-10-22.



- Dr. A. P. J. Abdul Kalam Jayanthi on the mark to tribute to Dr. A. P. J. Abdul Kalam was organized by A. Vanav Kumar, at NIT, Arunachal Pradesh, 2023-10-15.



- Swachhata Hi Seva - 2023 on "Cleanliness Drive cum Gandhi Jayanti" was organized by A. Vanav Kumar, Department of BAS, in collaboration with Mr Nabam Talar, Mr Jor Jomoh, Dr. Ralli Sango, Dr Achyuth Sarkar and Dr. K. Jayakesh at NIT, Arunachal Pradesh and Government School Jote, Arunachal Pradesh, from 2023-09-15 to 2023-10-01.

All India Inter-NIT Tournaments

- Tania Doni, Rei James, Lige Ori, Tanga Tatin, Kaling Jorang, Aato Beyong, Tadar Taha, Kenjom Ete, Tamo Marbom, Taba Doria, Santosh Rangmo, Thagun Doka, Pansa Chaiputh, Sandeep, Sanglee Sidishow, Maga Tayum, Kaku Rebe - Football Team of NIT, Arunachal Pradesh participated the Inter NIT Football Cup organized by NIT, Durgapur, 2023-11-03
- Tapan Kodak, Tojum Tasar, Syed Nisar, Chakai Wangsu, Kanjom Geyi, Vijay Dui, Gautam Singh, Sahil Hussain, Raushan Raj, Talo Nich -Basketball Team of NIT, Arunachal Pradesh participated the Inter-NIT Basketball Competition organized by MNIT, Jaipur, 2023-08-14



Mr. Chandrashekhar Tripathi

Mr. Pursottam Sah

Mr. Daknya Bam

A lot of people offer support by saying, but few put their words into action, and I can't express how much hard work accorded by Mr. Chandrashekhar Tripathi, Mr. Pursottam Sah, Mr. Daknya Bam, and Mr. Dev Singh Kanyal. final year B.Tech students, Dept. of CSE to design an idea into a concrete platform to collect the institute activities automatically. By the platform, we have successfully published 6 issues so far. Editorial Board lauds their contribution and support. And I like to introduce a new team members who were selected through Designthon 2.0 Competition.



Mr. Dev Singh Kanyal

Welcome Note



Ms. Vanshika Marwaha

Editorial Board welcomes our new student editors Ms. Vanshika Marwaha, Mr. Rupom Nandi, Mr. Aaryan, Mr. Keshav Arora, B.Tech, CSE, 3rd Year and Mr. Omsubhra Singha, B.Tech, ECE, 3rd Year on board.



Mr. Rupom Nandi



Mr. Aaryan



Mr. Keshav Arora



Mr. Omsubhra Singha

EDITORIAL BOARD

September - October
2023
Vol - VI
Iss - 5



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MR. AARYAN, MR. KESHAV ARORA, AND
MR. OMSUBHRA SINGHA**

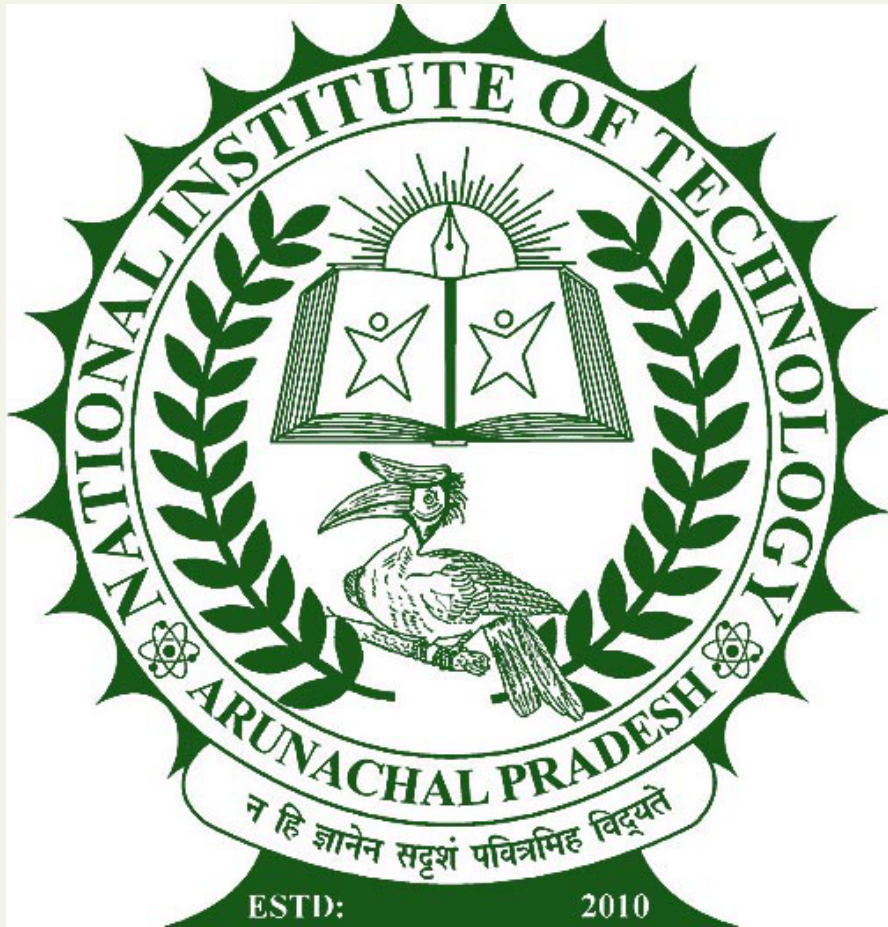


EDITOR

**DR. SHUBHAJIT DAS
ASSISTANT PROFESSOR
DEPT. OF ME**



NATIONAL INSTITUTE OF TECHNOLOGY ARUNACHAL PRADESH



YOUR COMMENTS AND SUGGESTIONS ARE WELCOME TO
MAKE OUR NEXT ISSUE MORE INTERACTIVE.

Write to us:
technodaya@nitap.ac.in