

# THE TECHNICAL MERAKI OF ARUNACHAL

JULY- AUGUST 2023

VOL-VI ISS-4

NIP DISCUSSION WITH  
SRI SRI RAVI SHANKAR  
(GURUDEV)

FIRST FOUNDATION DAY  
OF PRE-SCHOOL, NIT  
ARUNACHAL PRADESH

CAR RALLY FOR HAR  
GHAR TIRANGA

# TECHNODAYA

THE BI-MONTHLY NEWSLETTER

# DIRECTOR'S MESSAGE



Greetings!

Technodaya, Volume- VI, Issue- 4 is published and brought to your notice. During the last two months (July–August, 2023), our faculty members and officers have contributed exemplary progresses of advancements in many academic, research and outreach activities standing out as landmarks in our mission of 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 Implementation of New Education Policy, 2020, Induction Programme for first year students, research papers, book chapters and patent in International/National Journals/Conferences, and so on. As outreach activities, Cross cultural dance performance by Youths of Arunachal Pradesh and Andhra Pradesh, Partition Horrors Remembrance Day Exhibition, and Car Rally were organized.

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. R. P. Sharma*

**DIRECTOR (I/C), NIT ARUNACHAL PRADESH**



# EDITOR-IN-CHIEF'S MESSAGE

I am delighted to present 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, both from the Department of Mechanical Engineering, for their valuable support and suggestions. 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](mailto:technodaya@nitap.ac.in) or [newsletternitap@gmail.com](mailto:newsletternitap@gmail.com).

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

*Dr. K. Vijayakumar*

ASSISTANT PROFESSOR, DEPT. OF M&H

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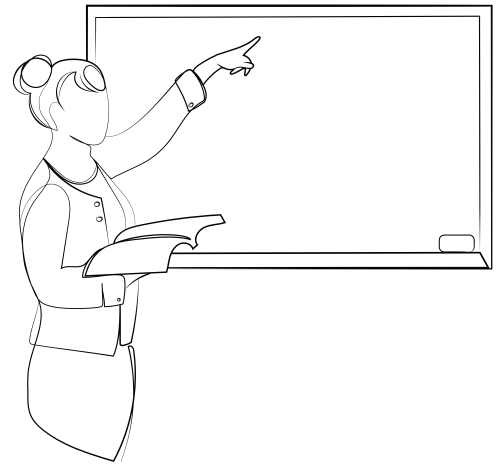
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B.Tech, CSE, 3rd Year

# ACADEMIC ACTIVITIES

INVITED/EXPERT LECTURES GIVEN BY  
NIT AP MEMBERS



- Dr. K. Vijayakumar, Assistant Professor, Department of Management and Humanities, NITAP delivered a Special Lecture on "English Communication and Technology" in the XPERIA-23 (Literary Workshop) organised by Dr. N. K. Vivekanandhan, Assistant Professor, Dept of English, Government College of Technology, Salem, Tamilnadu, 2023-08-24.

- Dr. Moirangthem Momocha Singh, Associate Professor, Management and Humanities (M&H), NITAP delivered a Career counselling and opportunities programme at CFTI after 10+2 at ATL at KV2 Itanagar being RMoC-Regional Mentor of Change AIM Govt. of India on "Career Counselling and Motivation" in the session organised by Kendriya Vidyalaya, Itanagar, 2023-07-01.



*Dr. M.M. Singh at KV2, Itanagar*



*Dr. M.M. Singh at KV2 ,Itanagar*

- 3. Dr. Moirangthem Momocha Singh, Associate Professor, Management & Humanities, NITAP delivered a lecture on "Discussion with KV students regarding growing impact of innovation and entrepreneurship in the society" in the Session on Innovation and Entrepreneurship organised by Kendriya Vidyalaya, Itanagar, 2023-07-07.

# Research & Development



## PATENT

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- Dr. Debjit Dutta. (2023). Granted Patent No.446682 Recordal Date: 23-08-23(Patent Application No. 953/KOL/2015 dated 03.09.2015) .. Kolkata.

## RESEARCH PAPERS

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- Kolay, Debaditya. Dutta, Debjit. (2023). Time-fractional Boussinesq equation for heavy-nucleus-acoustic wave excitations in highly dense relativistically degenerate quantum plasmas. Physics of Plasmas (American Institute of Physics) (SCI , Q1 Journal) 30, 082109. Dr. Debjit Dutta. (2023). Granted Patent No.446682 Recordal Date: 23-08-23(Patent Application No. 953/KOL/2015 dated 03.09.2015) .. Kolkata.

## BOOKS/BOOK CHAPTERS PUBLICATIONS

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- Ringu, T.Ghosh, S.Pramanik, N.. (2023). Polymer Composites in Tissue Engineering. In S. Bhandari, P. Gupta, and A. Dey (Eds.), *Frontiers in Polymer Science: Industrial Applications of Polymer Composites* (pp. 58-86). Bentham Science Publishers. 10.2174/978981512481123010006


## CONFERENCE PAPERS

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- Kumar, A Vanav. Solutions of nanofluids of unsteady fractional time derivative fluid flow applied with time varying mass [Paper presentation]. 6th International Conference on Mathematical Modelling, Applied Analysis and Computation-2023 (ICMMAAC-23) , JECRC University, Jaipur, Rajasthan, India. , from 2023-08-03 to 2023-08-05.
- Kumar, A Vanav. Solutions of unsteady fractal fractional time derivative fluid flow between horizontal plates with time varying motion of upper plate [Paper presentation]. 6th International Conference on Mathematical Modelling, Applied Analysis and Computation-2023, ICMMAAC-23, JECRC University, Jaipur, Rajasthan, India, from 2023-08-03 to 2023-08-05.
- Pokhrel, Tika Ram, Alak Majumder. Double Gate JLT Based New TIGFET for Dynamic C2MOS Application [Paper presentation]. 19th IEEE Asia Pacific Conference On Circuits And Systems (APCCAS 2023), Hyderabad, from 2023-11-19 to 2023-11-22.

# FACULTY EMPOWERMENT PROGRAMS

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








**NATIONAL INSTITUTE OF TECHNOLOGY  
ARUNACHAL PRADESH**



**CELEBRATES**  
**"THIRD ANNIVERSARY OF NATIONAL EDUCATION POLICY 2020"**  
**Date: 29th of July, 2023      Venue: Tel Centre**

**Invited Speakers:**  
1. Dr. R. P. Sharma, Director-in-charge  
2. Dr. Subhasish Banerjee, Associate Dean (Academic & Exam)  
3. Dr. M. M. Singh, Dean Students Welfare  
4. Dr. K. R. Singh, Dean Faculty Welfare  
5. Dr. Dipak Sen, HOD ME



**Organised by National Institute of Technology, Arunachal Pradesh, India**

## *Implementation of New Education Policy, 2020*

- Implementation of New Education Policy, 2020" was organized by Dr. Moirangthem Momocha Singh, Associate Professor, Department of Management & Humanities (M&H), at NIT Arunachal Pradesh, from 2023-07-29 to 2023-07-29.



*First Foundation Day of Pre-school, NIT Arunachal Pradesh*

- First Foundation Day of Pre-school, NIT Arunachal Pradesh

"First foundation day for First Step Pre School " was organized by Dr. Moirangthem Momocha Singh, Associate Professor, NIT Arunachal Pradesh, at NIT Arunachal Pradesh , from 2023-08-16 to 2023-08-16.



# FACULTY EMPOWERMENT PROGRAMMES

## **10th July, '23 to 14th July, '23**

A Vanav Kumar, Associate Professor, Mathematics Division, Department of Basic and Applied Science attended Workshop on "Introduction to Computational Social Science with Python", organised by National Institute of Technology, Tiruchirappalli, from 2023-07-10 to 2023-07-14.

## **10th July, '23 to 14th July, '23**

A Vanav Kumar, Associate Professor, Mathematics Division, Department of Basic and Applied Science attended Workshop on "Introduction to Computational Social Science with Python", organised by National Institute of Technology, Tiruchirappalli, from 2023-07-10 to 2023-07-14.

## **12th July, '23 to 14th July, '23**

A. Vanav Kumar, Associate Professor, Mathematics Division, Department of Basic and Applied Science attended Workshop on "Bhuvan Overview Seminar", organised by National Remote Sensing Center, ISRO, Department of Space, Government of India, Hyderabad, from 2023-07-12 to 2023-07-14.

# AWARDS



Dr. Nabakumar Pramanik, Associate Professor, Dept of CHE served as a Reviewer of "Therapeutic Delivery". Future Science Publications. 2023-08-30.

## REVIEWERS

## AWARDS

- A Vanav Kumar, Associate Professor, Mathematics Division, Department of Basic and Applied Science is Best paper award for the paper titled "Solutions for nanofluids of unsteady fractional time derivative fluid flow applied with time varying mass" at 6th International Conference on Mathematical Modelling, Applied Analysis and Computation-2023 (ICMMAAC-23) of JECRC University, Jaipur (Raj.) India, 2023-08.
- Dr. Moirangthem Momocha Singh, Associate Professor, Management & Humanities is awarded Certificate of Appreciation of by Ministry of Culture, Govt. of India, 2023-08.

# OUTREACH ACTIVITIES



***Cross cultural dance performance by Youths of Arunachal Pradesh and Andhra Pradesh***

National Institute of Technology (NIT) Arunachal Pradesh observed Partition Horrors Remembrance Day as per the directives of Ministry of Education on 21st Aug 2023. An exhibition was curated at National Institute of Technology, Arunachal Pradesh, Jote jointly by EBSB Cell, NIT Arunachal Pradesh to showcase the sufferings of the partition affected people and to bring awareness about the sacrifices and sufferings of the victims of partition of India. The exhibition was organized to be remembered the tragedy and agony of the partition. During the event, Prof. R. P. Sharma, Director (I/C), NIT Arunachal Pradesh highlighted the agony, sufferings and pain of millions of people who were suffered during partition. Dr. Jayakesh. K, one of the coordinators, highlighted the background of the day in the event. Around 250 visitors visited and viewed the exhibition. Exhibition was organised by Dr. K. Vijayakumar, Nodal Officer EBSB Cell NITAP and Dr. Jayakesh. , K Assistant Professor Dept of CE NITAP on the Partition Horrors Remembrance Day, 2023-08-21.

Cross cultural dance performance by Youths of Arunachal Pradesh and Andhra Pradesh was organised by Dr. K. Vijayakumar, Nodal Officer, EBSB Cell, NIT Arunachal Pradesh and Dr. Nabam Rich, Co-coordinator, NIT Arunachal Pradesh from 2023-07-29 to 2023-07-30. A group of 8 students (4 students from Arunachal and 4 from Andhra) performed cross cultural dance performance of Arunachal Pradesh and Andhra Pradesh folk dance on the occasion of the 2nd edition of Akhil Bharatiya Shiksha Samagam coinciding with the 3rd anniversary of NEP 2020 at New Delhi held from 29th to 30th July 2023 at New Delhi. Among the four students- Ms. Chera Kai and Ms. Taw Yopu from DN College of Itanagar and Mr. Taj Tatam and Mr. Kuru Khokhung from NIT Arunachal Pradesh participated in the event. The students of Arunachal Pradesh performed the folk dance forms of Nyshi, Tagin and Appatani along with folk dance of Andhra Pradesh youths. This unique blend of the students of Andhra and Arunachal Pradesh were infusing the performance with a twist of diversity and creativity.



***Cross cultural dance performance by Youths of Arunachal Pradesh and Andhra Pradesh***

# OUTREACH ACTIVITIES

TECHNODAYA | JULY-AUGUST 2023

WARM WELCOME TO  
INDUCTION PROGRAM: UNIVERSAL HUMAN VALUES/MOTIVATION/  
YOGA/MEDIATION/HYGIENE AND SANITATION/MOVIES SHOW/FIELD  
VISIT/MARKETING/LEADERSHIP/INNOVATION & ENTREPRENEURSHIP/  
COMMUNICATION SKILLS/DRAWING/PRIZE/ DISTRIBUTION/VALIDICTORY  
FUNCTION/INAUGURATION/INDUCTION SESSION  
WITH  
SRI SHRI RAVI SHANKARJI ETC.DURING  
21 DAY INDUCTION PROGRAM  
(From 22<sup>nd</sup> August to 11<sup>th</sup> September 2023)  
FOR  
ALL B.TECH FIRST YEAR STUDENTS 2023 BATCH  
(FROM 22<sup>nd</sup> AUGUST TO 11<sup>th</sup> SEPTEMBER2023)  
Organised by  
INDUCTION PROGRAM COMMITTEE  
NATIONAL INSTITUTE OF TECHNOLOGY  
ARUNACHAL PRADESH  
VENUE: AUDITORIUM-TEL CENTER  
(BUILDING NO 2, MECHANICAL BLOCK 2<sup>nd</sup> FLOOR)  
Chief mentor  
Prof. Dr.R.P Sharma  
Director NIT Arunachal Pradesh  
Program Coordinator  
Dr.M.M.Singh  
Dean student welfare  
NIT Arunachal Pradesh

Online National Induction 4.0  
For Institutes Of National Importance  
**WITH GURUDEV**  
5.30 PM IST | 21<sup>ST</sup> AUG  
Institutes of National Importance  
IIT NIT IIT First Year Students  
Register your institute - [tiny.cc/NI3](https://tiny.cc/NI3)  
More info 7696041434

## *Induction Programme for B.Tech First Year students*

Induction Programme for B.Tech First Year Students on "Orientation, Productivity Enhancement, Human Values, Sanitation and Hygiene, Yoga, Meditation, Motivation, Movie show, Leadership, Innovation and Entrepreneurship" was organized by Dr. Moirangthem Momocha Singh, Associate Professor, Department of Management & Humanities, NIT Arunachal Pradesh, at NIT Arunachal Pradesh, from 2023-08-22 to 2023-09-11.

## *National Induction Programme*

Notional Induction Programme on "Discussion with Sri Sri Ravi Shankar (Gurudev)" was organized by Dr. Moirangthem Momocha Singh, Associate Professor, NIT Arunachal Pradesh, at NIT Arunachal Pradesh, from 2023-08-21 to 2023-08-21.



## *Car rally on 14th August, 2023*

Participated on "Car rally (Har Ghar Tiranaga)" was organized by Dr. Moirangthem Momocha Singh, Associate Professor, NIT Arunachal Pradesh, at NIT Arunachal Pradesh, from 2023-08-14 to 2023-08-14.

# ALUMNI ASSOCIATION

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Congratulations to our Alumni Pankaj Yadav, MTech, VLSI design and embedded systems, ECE(2020-22) for starting a new position as Physical Design Engineer at SignOff Semiconductors.



Congratulations to Rahul Rajpoot, MTech (2016 - 2018) for starting a new position as Assistant-Vehicle Engineering Development at Hero MotoCorp.



Congratulations to Sushma Pandey, M.Tech, Mobile Communication and Computing (2015 - 2017) for starting new position as Visiting Researcher at Massachusetts Institute of Technology in the Material Science and Engineering department.



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