

Vol. - IV

Iss. - 03

TECHNODAYA

Bi-monthly Newsletter of NIT Arunachal Pradesh



**National Institute of Technology
Arunachal Pradesh**

MAY-JUNE 2021

Director's Message



Prof. Pinakeswar Mahanta
Director
NITAP

Greetings!

I would like to share a good news that we are ready to start next academic session in our permanent campus, Jote. Jote is surrounded by beautiful green forest and mountains. The area is picturesque and surrounding makes it ideal for a noble academic environment. I welcome you all to visit our campus once this pandemic gets over.

Technodaya, Volume-IV, Issue- 3 is published and brought to your notice. During the last two months (May-June, 2021), our faculty members and officers has 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 involved directly and indirectly in the achievements, some of which are MoU with Electronics Sector Skills Council of India (ESSCI), New Delhi, approval of QIP Centre, NEP Symposium, Toycathon 2021, EDP on Herbal Tablets, 01 Copyright, 01 Patent, 02 Consultancy Projects, 26 research papers in International/National Journals/Conferences, and so on. As outreach activities, Logo Competition, International Day of Yoga, World No Tobacco Day, and World Environment Day, were organized. Our prestigious alumni, Mr. Arvind Bishnoi, Dept. of ECE (2012-2016), scored 57th Rank in UPSC Engineering Service Examination. I wish him a great success in higher education.

I wish you all good health and stay safe. With Best Wishes.

Editor-in-Chief's Message



Dr. K. Vijayakumar
Dept. of M&H

I am very happy to compose this issue of TECHNODAYA.. I thank my team members Dr. Shubhajit Das and Dr. Millo Yasung for their support and suggestions. Special thanks to my colleagues for their valuable comments to make this edition more perfect. Further I invite all students, alumni, faculty members, officers, supporting staff and various stakeholders associated with NIT Arunachal Pradesh to support us and send news to technodaya@nitap.ac.in or newsletternitap@gmail.com.

Editorial Board

	Chairman Prof. Pinakeswar Mahanta Director NITAP	
Editor-in-Chief Dr. K. Vijayakumar Dept. of M&H		Editor Dr. Shubhajit Das Dept. of ME
	Editor Dr. Millo Yasung Dept. of M&H	

Academic Activities

Memorandum of Understanding (MoU):

National Institute of Technology, Arunachal Pradesh and Electronics Sector Skills Council of India (ESSCI), New Delhi signed Memorandum of Understanding. The purpose is to meet the requirement of NITAP, expansion for skill development of engineering college students on various Electronics courses. During the event, Prof. Pinakeswar Mahanta, Director, Dr. Uday Kumar Khanikar, Registrar, NITAP, Mr. Piyush Chakraborty, Officiating Head and Mr. Saleem Ahmed, VP-BD, ESSCI were present.



Photo: MoU between NITAP and ESSCI

QIP Centre in Engineering & Technology (Minor):

AICTE has approved NIT Arunachal Pradesh as new QIP Centre in Engineering & Technology from the year 2021-22 communicated vide letter No. FDC/New QIP Centre/2021-22/10 dated 11/03/2021, under which the following programmes/disciplines are allowed to admit 3 (three) numbers of QIP Scholars per year who will get financial benefits from AICTE.

Sl No.	Branches/Disciplines (Ph.D.)	Sanctioned Seats
1	Department of Computer Science Engineering	03
2	Department of Electronics & Communication Engineering	03
3	Department of Mechanical Engineering	03
4	Department of Electrical Engineering	03
5	Department of Management & Humanities	03

Also, the institute is allowed to conduct maximum 20 short terms courses of 1 week/2 week duration each year with financial assistance from AICTE.

International Society for Development and Sustainability (ISDS):

Prof. Pinakeswar Mahanta, Director, NITAP was granted a Lifetime Fellow Member in Recognition of Professional Membership in and Contribution to the International Society for Development and Sustainability (ISDS), Japan, 04 June, 2021.



Photo: ISDS's Certificate of Membership

Following statutory meetings were conducted during the period of May and June, 2021:

Meeting	Date
29 th FC (By Circulation)	24/06/2021
36 th BoG (By Circulation)	24/06/2021
33 rd Senate (Blended mode)	18/06/2021

National Education Policy Symposium:

NITAP organized online symposium to discuss and formulate a conceptual framework (short term plans and long term plans) regarding the implementation of NEP 2020 in NITAP curriculum. All Deans, HoDs and Faculty Members were participated. The meeting was presided over by Prof. Pinakeswar Mahanta, Director, NITAP, 24 May, 2021. Before the symposium, Prof. Pinakeswar Mahanta, Director, NITAP had a meeting with Honorable Minister of Education and Honorable State Minister with Directors of IITs/NITs/IIITs on implementation of NEP, 20 May, 2021.

Meeting with honourable minister of education and honourable state minister with Directors of IITs/NITs/IIITs on status of covid and implementation of NEP on 20 May, 2021



Photo: Meeting on implementation of NEP

Invited/ Expert Lectures:

1. Dr. S. N. Deepa, Associate Professor, Dept. of EE delivered expert lecture on “Soft computing techniques for power system applications” in a five day faculty development program on Recent Trends and Development in Electrical Power Engineering organized by Dept. of EEE, Chadalawada Ramanamma Engineering College, Autonomous, Tirupati, 25 June, 2021.
2. Dr. S. N. Deepa, Associate Professor, Dept. of EE delivered a technical talk on “Diagnosis and classification of lung cancer using machine learning models” in an online Faculty Development Programme (FDP) on "Precision Healthcare Technology" organized by Department of Biomedical Engineering, SSN College of Engineering, Chennai, 28 June, 2021.
3. Dr. Subhasish Banerjee, Assistance Professor, Dept. of CSE delivered an expert talk in AICTE-ATAL Sponsored Online Faculty Development Program (FDP) on “Cyber Security in Smart Cities”, 14-18 June, 2021, NIT Raipur.
4. Dr. Nabakumar Pramanik, Assistant Professor, Dept. of CHE delivered a talk in World Environment Day on the occasion of World Environment Day Celebration organized by Outreach Team, NITAP, 05 June, 2021.
5. Prof. Mihir Kumar Shome, Professor, Dept. of M&H delivered a talk in International Conference on “Recent Advances in Social Sciences, Humanities, Management and Scientific Research” titled The Role of Women Entrepreneurs in the growth of the Indian Economy organized by Eudoxia research Centre, India, 05-06 June, 2021.

Workshop/FDP/Seminar/Conference/Webinar:

1. One-week Entrepreneurship Development Programme on “Herbal Tablets, Capsules and Syrup Making” was conducted by Dr. Pallabi Kalita Hui, Assistant Professor, Dept. of BT as Coordinator, 2021 sponsored by NECTAR, DST, 2021.

2. Two day Virtual Lecture Series on “Covid-19 and its associated Facets” in collaboration with Department of Applied Biology, University of Science & Technology Meghalaya was conducted by Dr. Pallabi Kalita Hui, Assistant Professor, Dept. of BT, 26-27 June, 2021.



Photo: Virtual Lecture Series on “Covid-19 and its associated Facets”

Research and Development

Copyright:

Diary Number	Title of Work	Applicant Name	Status
21530/2020- CO/SW	IoT and Machine	Aniket Agarwal	Approved
	Learning based Road	Achyuth Sarkar	
	Emergency Assistance Model	Monika Mangla	
		Nonita Sharma	

Patent:

File Number: 201911048042
 Date of Filing: 25.11.2019
 Title: Security and Computational Time Complexity Analysis of RSA with Novel Approach of Variability Concept of Key.
 Publication date: 28.05.2021
 Inventors: Dr. Achyuth Sarkar et.al

Projects/Consultancy Works:

Consultancy work

1. Name of the job: Vetting of Civil Engineering Design Documents and Drawings for RCC Lined Raw Water Reservoir, Pump House and Associated Structures/Buildings

Name of the Client: Dastur Co, Kolkata

Principal Investigator: Dr. Mainak Mallik

2. Name of the job: Vetting of Civil Engineering Design Documents and Drawings for SEZ Exit of OPaL and ONGC C2/C3 Plant

Name of the Client: Dastur Co, Kolkata

Principal Investigator: Dr. Mainak Mallik

Paper Publication/Presentation:

1. Deepa, S.N. and Abhik Banerjee, "Intelligent decision support model using tongue image features for healthcare monitoring of diabetes diagnosis and classification" Springer -Network Modeling Analysis in Health Informatics and Bioinformatics (2021). Vol. 10(41). pp.1-16, <https://doi.org/10.1007/s13721-021-00319-1>, June 2021.
2. M. Loya, S.I. Hazarika, P. Pahari, A.K. Atta, Fluorometric detection of Cu²⁺ and Ni²⁺ by a quinoline-based glucopyranose derivative via the excimer of quinoline subunit, Journal of Molecular Structure 1241, (2021) 130634; Elsevier
3. Narayanan Natarajan, Murugesan Shyam Sundar, Berlin Mohanadhas, Mangottiri Vasudevan "Concrete classification using machine learning techniques", accepted at International Conference on Advances in Structural Mechanics and Applications (ASMA-2021) (Online Mode) held at National Institute of Technology Silchar, Assam, India. 2021.
4. Debmalya Das Gupta, Shruti Mishra, Sumit Singh Verma, Anusmita Shekher, Vipin Rai, Nikee Awasthee, Tridip J. Das, Dipayan Paul, Sanjib K. Das, Hui Tag, Subash Chandra Gupta, Pallabi

- K. Hui (2021): Evaluation of antioxidant, anti-inflammatory and anticancer activities of Diosgenin enriched Paris polyphylla rhizome extract of Indian Himalayan landraces. *Journal of Ethnopharmacology*, 270 (2021): 113842
5. Sanjib Kumar Das, Suman Jyoti Deka, Dipayan Paul, Debmalya Das Gupta, Tridip Jyoti Das, Devendra Kumar Maravi, Hui Tag, Pallabi Kalita Hui (2021): In-silico based identification of phytochemicals from *Houttuynia cordata* Thunb. as potential inhibitors for overexpressed HER2 and VEGFR2 cancer genes. *Journal of Biomolecular Structure and Dynamics*. <https://doi.org/10.1080/07391102.2021.1891136>.
 6. Sanjib Kumar Das, Saurov Mahanta, Bhaben Tanti, Hui Tag and Pallabi Kalita Hui (2021): Identification of phytocompounds from *Houttuynia cordata* Thunb. as potential inhibitors for SARS-CoV-2 replication proteins through GC-MS/LC-MS characterization, Molecular Docking and Molecular Dynamics simulation. *Molecular Diversity*, Vol.(X): pp-1-24, ISSN:1573-501X, <https://doi.org/10.1007/s11030-021-10226-2>. Published online on 7 May 2021 by Springer Nature Switzerland.
 7. Dr. Pallabi Kalita Hui published an article on “Plant Secondary Metabolites – Production Techniques” in the International Magazine of Spinco Biotech “Cutting Edge”, Volume 11, Issue 2, June 2021.
 8. An article was published in the esteemed Assamese Newspaper “Dainik Axom” on the Drug Discovery works done by Dr. Pallabi Kalita Hui in the medicinal plant *Houttuynia cordata* (Assamese name: Mosundari) by the journalist Mr. Arpan Dutta, on 1st June, 2021.
 9. Shashank Awasthi, Sanjeev Kumar Metya, Alak Majumder, "MZI based Electro-Optic Reversible XNOR/XOR Derived from Modified Fredkin Gate", accepted in Springer MISP 2021, NITAP.
 10. Dr. M. M. Singh, Assistant Professor, Dept. of M&H submitted abstract titled on Cancer Fatality

and Health Seeking Behaviour in North East India for PAN NIT conference during June 2021.

11. Dr. M. M. Singh, Assistant Professor, Dept. of M&H submitted abstract titled on Telemedicine and eHealth Technology for Cancer Care in Arunachal Pradesh at IIHMR Scopus Index Journal.
12. Dr. Shakti Prasad, Some Compromised Exponential Ratio Type Imputation Methods in Simple Random Sampling, Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci. (April–June 2021) 91(2):337–349, SCI (Springer India).
13. Gulab Sah, Subhasish Banerjee, Manash Pratim Dutta, " Ensemble Learning Algorithms with Feature Reduction Mechanism for Intrusion Detection System", International Journal of Information and Computer Security, Accepted.
14. Paramita Chatterjee, Rajesh Bose, Subhasish Banerjee, Sandip Roy, "Secured Remote Access of Cloud Based Learning Management System (LMS) Using VPN", 3rd International Conference on Machine Intelligence and Signal Processing (MISP 2021), Springer, Accepted.
15. Gulab Sah, Subhasish Banerjee, "An Intrusion Detection Approach Based on Decision Tree-Principal component analysis Over CICIDS2017", 3rd International Conference on Machine Intelligence and Signal Processing (MISP 2021), Springer, Accepted.
16. Shashank Awasthi, Barnali Chowdhury, Zuhaib Haider, Jalil Ali, Preecha Yupapin, Sanjeev Kumar Metya, and Alak Majumder, "Optical configuration of an N : 2N reversible decoder using a LiNbO₃-based Mach–Zehnder interferometer," Appl. Opt. 60, 4544-4556, 2021.
17. P. K. Pattnaik, S.R. Mishra, Ram Prakash Sharma, Numerical simulation for flow through conducting metal and metallic oxide nanofluids, Journal of Nanofluid, 9(4), 354–361 (2021).
18. Verma, A.K., Gautam, A.K., Bhattacharyya, K. & Ram Prakash Sharma, Existence of boundary layer nanofluid flow through a divergent channel in porous medium with mass suction/injection. Sādhanā 46, 98 (2021). <https://doi.org/10.1007/s12046-021-01588-2>, H Index: 46, SJR 0.28, Q2, I.F.: 0.769, Scopus (Elsevier).

19. Samrat Shivappa Payad, Naramgari Sandeep, Ram Prakash Sharma, Impact of Cross-Diffusion on Methanol-Based Fe₃O₄ Nanofluid, *Biointerface Research in Applied Chemistry*, Platinum Open Access Journal Volume 11, Issue 4, 2021, 11499 – 11508. <https://doi.org/10.33263/BRIAC114.1149911508>. ISSN No.- 20695837, I.F.-0.89, H-Index-7, Scopus (Elsevier).
20. M. M. Khader and Ram Prakash Sharma, A numerical solution of the effect of thermal radiation and non-uniform heat source/sink on unsteady MHD micropolar fluid flow past a stretching/shirking sheet by fourth-order predictor-corrector finite difference method, *Mathematics and Computers in Simulation* 181 (2021) 333–350, <https://doi.org/10.1016/j.matcom.2020.09.014>, ISSN No.- 03784754, I.F.-1.620, H-Index-72. Science Citation Index.
21. R. Parthiban, G. Palani, Seema Tinker and R. P. Sharma, A numerical approach to slip flow of Micropolar fluid above a flat permeable contracting surface, *Int. J. of Applied Mechanics and Engineering*, 22 June, 2021, vol.26, No.2, pp. 173 - 185, DOI: 10.2478/ijame-2021-0026, ISSN No.- 23539003, 17344492, I.F.-0.42, H-Index-6. Scopus (Elsevier), Publisher: de Gruyter.
22. Ram Prakash Sharma, Om Prakash, D.D. Ganji, P. S. Rao, S. R. Mishra, Thermal radiation and magnetic field effects on squeezing motion analysis for Cu-kerosene and Cu-water nanofluids, *Heat Transfer*, Accepted.
23. Z. M. M buru, S. Mondal., P. Sibanda, Ram Prakash Sharma., The Overlapping Grid Spectral Collocation Method for Solving Entropy Generation in Casson Nanofluid Flow Past a Stretching Plate, *Journal: Journal of nanofluid*, Accepted.
24. Ram Prakash Sharma, S M Ibrahim, S. R. Mishra and Seema Tinker, Impact of thermal radiation and heat source on MHD dissipative flow across the slendering stretching sheet with temperature dependent variable viscosity, *Heat Transfer*, Accepted

25. Ram Prakash Sharma, Sachin Shaw, S. R. Mishra and Seema Tinker, Exploration of radiative heat on magnetohydrodynamic rotating fluid past a vertical sheet, Heat Transfer, Accepted
26. J. Baidya, H. Garg, A. Saha, D. Dutta. "Selection of third party reverses logistic providers: an approach of BCF -CRITIC-MULTIMOORA using Archimedean power aggregation operators", Journal of Complex & Intelligent systems (SCI, IF: 3.791).

Book/Chapter Publication:

1. Ram Prakash Sharma, S.K. Ghosh and S. Das, MHD flow in a rotating channel surrounded in a porous medium with an inclined magnetic field. (2021) 369-384. published in Energy Systems and Nanotechnology, Editors: Tripathi, Dharmendra, Sharma, Ravi Kumar (Eds.) Publisher: Springer ISBN 978-981-16-1256-5.
2. Sachi Nandan Mohanty, G.Nalinipriya , Om Prakash Jena, Achyuth Sarkar, Machine Learning for Healthcare Applications, Wiley-Scrivener, ISBN-13978-1119791812.

Faculty Empowerment Programmes:

1. Dr. S. N. Deepa, Associate Professor, Dept. of EE attended "NPTEL LIVE Session - Evolution and Future of Cloud & Edge Computing" by Mr. Piyush Gupta, Program Director IBM India System Development Lab, 20 May, 2021.
2. Dr. S. N. Deepa, Associate Professor, Dept. of EE attended International Webinar on "Evolutionary Learning and its Engineering Applications" organized by GSSS Institute of Engineering and Technology for Women, Mysuru IEEE Student Branch in association with IEEE Bangalore Section and IEEE Mysore Sub Section, 21 May, 2021.
3. Dr. M. M. Singh, Assistant Professor, Dept. of M&H attended webinar on Virtual Class Room, by EBSCO Information Services India, 15 May, 2021.

4. Dr. M. M. Singh, Assistant Professor, Dept. of M&H attended ATAL Academy online calendar launch and inauguration of 15 online ATAL FDPs by Hon'ble Minister of Education, 17 May, 2021
5. Dr. M. M. Singh, Assistant Professor, Dept. of M&H attended Policy Implementation Training for NISP Coordinators organised by MHRD Innovation Cell, 17 May, 2021.
6. Dr. M. M. Singh, Assistant Professor, Dept. of M&H attended trainings on IA from MHRD Innovation Cell starting from 30 June, 2021.
7. Dr. M. M. Singh, Assistant Professor, Dept. of M&H attended orientation session on RMoC (Regional Mentor of Change) RMoC training cum awareness on Regional Mentor of Change, 27 May, 2021.
8. Dr. M. M. Singh, Assistant Professor, Dept. of M&H attended Tinkerpreneur Boot Camp organised by AIM starting from 29 May, 2021.
9. Dr. M. M. Singh, Assistant Professor, Dept. of M&H attended Observance of Anti-Terrorism Day, an anti-terrorism pledge taking ceremony online, 21 May, 2021.
10. Dr. A. Vanav Kumar, Assistant Professor, Dept. of BAS attended "World Environment Day 2021" workshop in online mode conducted by NITAP, 05 June, 2021.
11. Dr. Sanjeev Kumar Metya, Assistant Professor, Dept. of ECE attended webinar on COMSOL Day: Biomedical Devices, May 11, 2021.
12. Dr. Sanjeev Kumar Metya, Assistant Professor, Dept. of ECE attended webinar on Soft Glass Optical Fibres: Properties, Fabrication and Applications, (OSA) 12 May, 2021.
13. Dr. Sanjeev Kumar Metya, Assistant Professor, Dept. of ECE attended webinar on Frontiers in Nanophotonics: Enabling Technology for Next-Generation Biosensors, (OSA).17 May, 2021.
14. Dr. Sanjeev Kumar Metya, Assistant Professor, Dept. of ECE attended webinar on Materials and Designs for Wavelength Selective Infrared Devices, (OSA), 18 May, 2021.

15. Dr. Sanjeev Kumar Metya, Assistant Professor, Dept. of ECE attended webinar on Access network evolution: convergence, virtualization and intelligent control for 5G and beyond, (OSA), 24 May, 2021.
16. Dr. Sanjeev Kumar Metya, Assistant Professor, Dept. of ECE attended webinar on Power over Fiber in support of 5G and IoT, (OSA) 23 June, 2021.
17. Dr. Ram Prakash Sharma, Associate Professor, Dept. of ME participated & successfully completed AICTE Training and Learning (ATAL) Academy Online FDP on "Advancements in Computational Fluid Dynamics using Fluidyn " organized by the Department of Aerospace Engineering, Alliance University Bangalore, Karnataka 562106, 07-11 June, 2021.
18. Prof. Mihir Kumar Shome, Professor, Dept. of M&H attended Save and Restore our Beloved Mother Earth Pledge organized by Ministry of Earth Sciences, GoI, online, 05 June, 2021.

Faculty Awards and Achievements

1. Dr. S. N. Deepa, Associate Professor, Dept. of EE was a *Reviewer* of "*Journal of the Franklin Institute*", Elsevier Publications, May 2021.
2. Dr. S. N. Deepa, Associate Professor, Dept. of EE was a *Reviewer* of "*International Journal of Ambient Energy*", Taylor and Francis Online, May 2021.
3. Dr. S. N. Deepa, Associate Professor, Dept. of EE was a *Reviewer* of "*Peer Journal of Computer Science*", Peer Inc, May 2021.
4. Dr. S. N. Deepa, Associate Professor, Dept. of EE was a *Reviewer* of "*Expert Systems with Applications*", Elsevier Publications, May 2021.
5. Dr. S. N. Deepa, Associate Professor, Dept. of EE was a *Reviewer* of "*International journal of Intelligent Systems*", Wiley, June 2021.

6. Dr. A. K. Atta, Assistant Professor, Dept. of CHE was a *Reviewer* of “*Journal of Photochemistry & Photobiology*”, Elsevier.
7. Dr. Shubhajit Das, Assistant Professor, Dept. of ME served as a *Reviewer* for “*World Journal of Engineering*”, Emerald publishing for the month of May-June 2021.
8. Dr. Shubhajit Das, Assistant Professor, Dept. of ME served as a *Reviewer* for “*ADBU Journal of Engineering Technology*” an UGC recognized international online journal published by Assam Don Bosco University for the month of May-June 2021.
9. Dr. M. M. Singh, Assistant Professor, Dept. of M&H was selected as *Convener* for the committee on Innovation and Startup Policy for Students and Faculty/Staff of NIT Arunachal Pradesh as per NISP2019 Govt. of India, 07 May, 2021.
10. Dr. M. M. Singh, Assistant Professor, Dept. of M&H was nominated as Innovation Ambassador (IA) from NITAP, 21 June, 2021.
11. Dr. M. M. Singh, Assistant Professor, Dept. of M&H selected as RMoC (Regional Mentor of Change) for the state of Arunachal Pradesh from AIM-Atal Innovation Mission, May 2021.
12. Dr. Nabakumar Pramanik, Assistant Professor, Dept. of CHE acted as a member of the question paper setters for the “M.Tech 1st End Semester Regular/Back Examination 2020-21”, NIST, Berhampur, Odisha, May, 2021.
13. Dr. Nabakumar Pramanik, Assistant Professor, Dept. of CHE was a *Reviewer* of “*Arabian Journal of Chemistry*”, Elsevier Publications, May, 2021.

Student Achievement

Heartiest Congratulations to our respected alumni Arvind Bishnoi (ECE 2012-2016 batch) for getting 57th rank in the UPSC Engineering Services (Main) Examination, 2020.

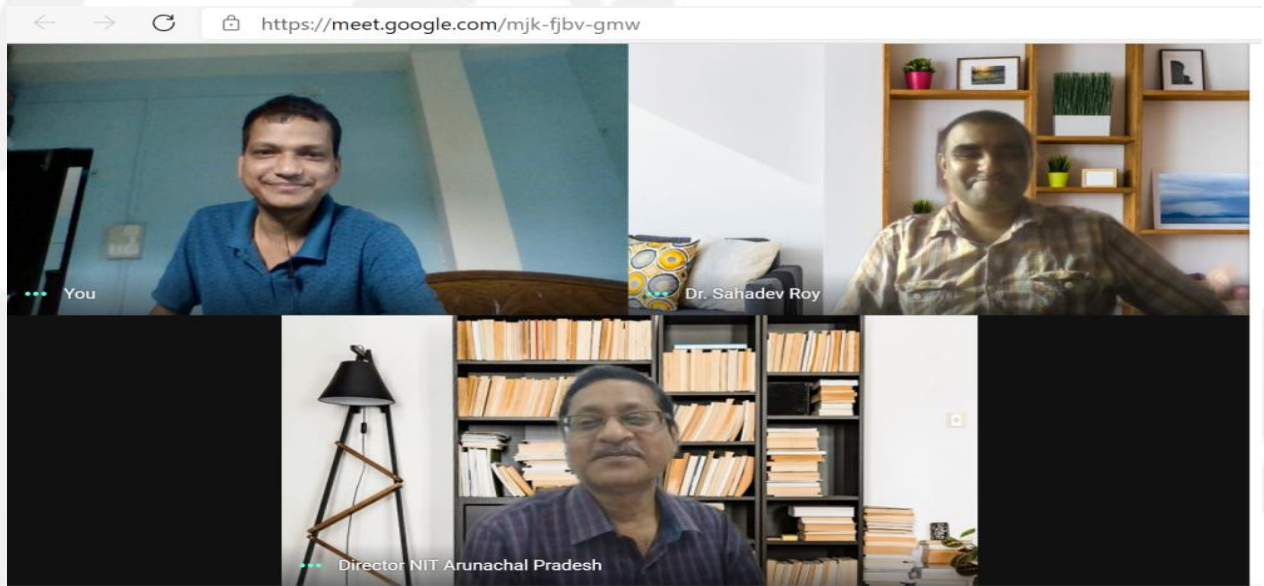


Photo: Arvind Bishnoi

Student Activities

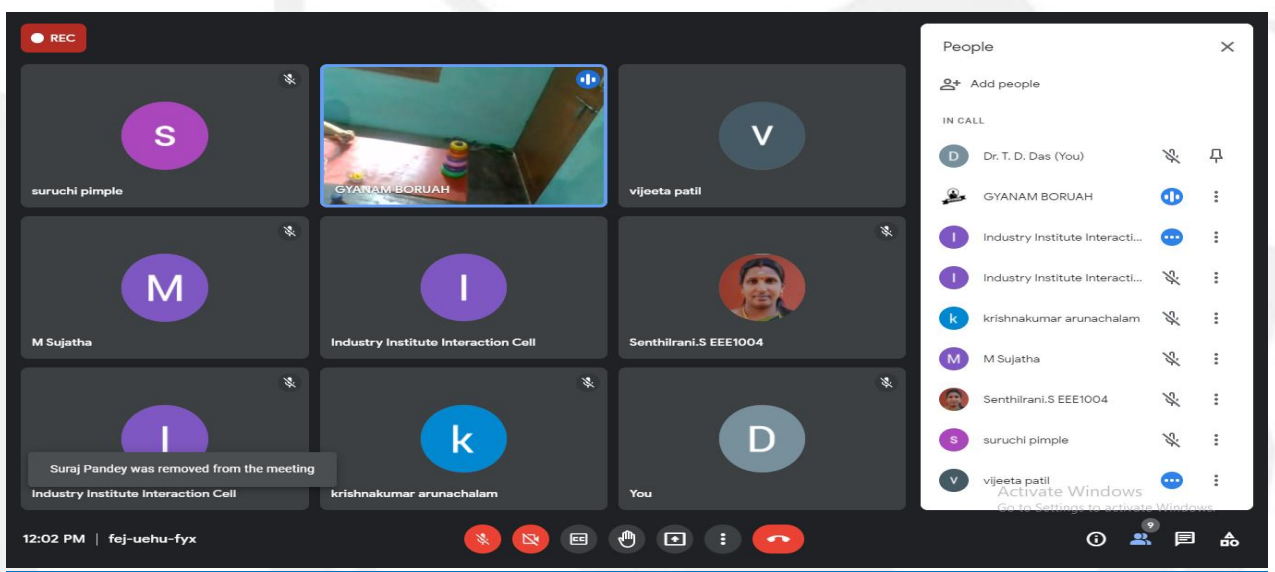
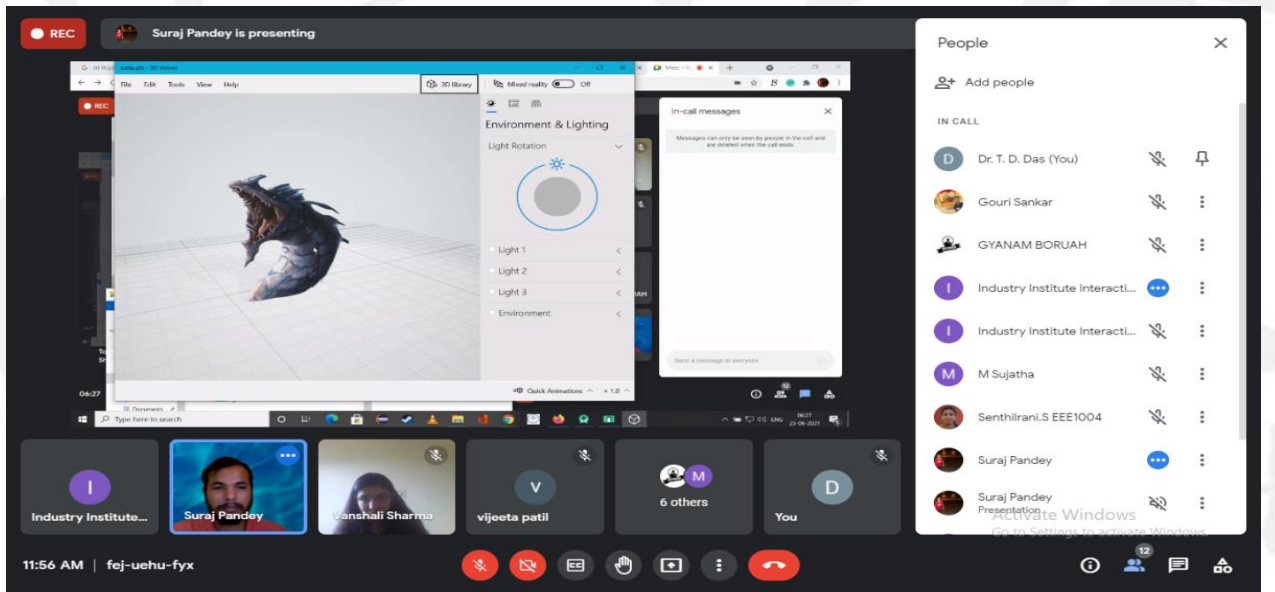
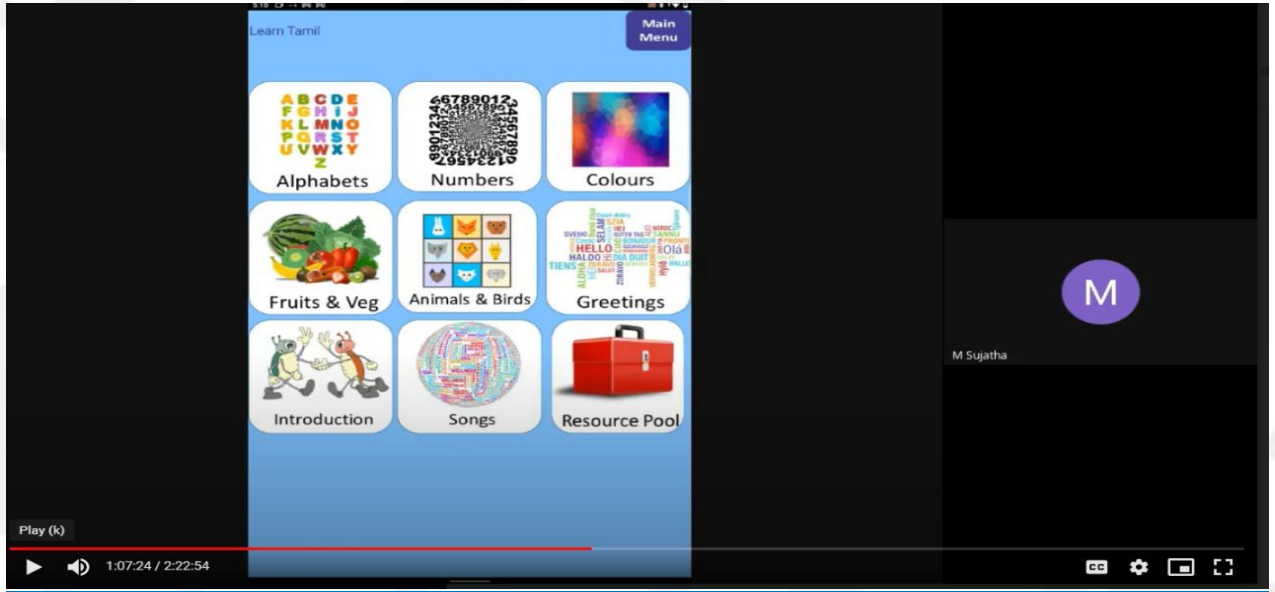
Toycathon 2021

“**Toycathon 2021**” was organized by Dr. Sahadev Roy, Assistant Professor, Dept. of ECE, as a Convenor, and Dr. T. D. Das, Assistant Professor, Dept. of BAS as a coordinator NITAP, 22-24 June, 2021. 21 teams participated in the event. Dr. Arun Kumar Sarma, Director General, North East Centre for Technology Application and Reach (NECTAR) and Mridu Mahendra Das, CEO Automovill Tech. Pvt. Ltd, were chief guests for the programme. The team Mighty Warriors was the winner in the Toycathon 2021.



Inauguration of Toycathon 2021, NIT Arunachal Pradesh





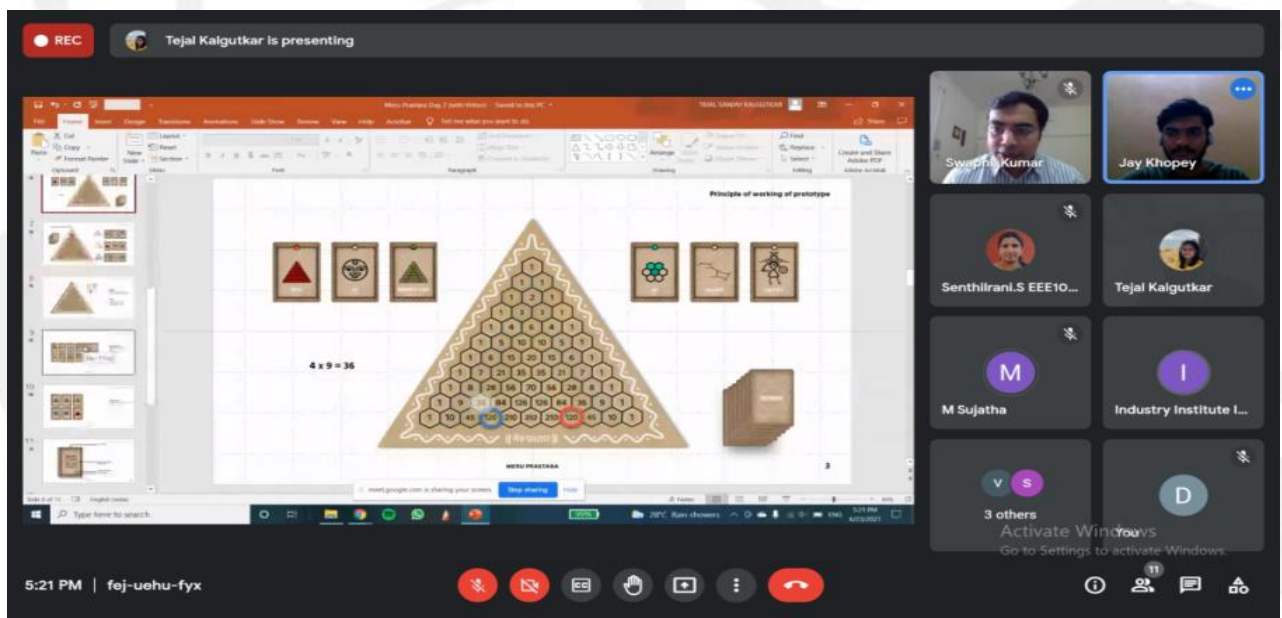
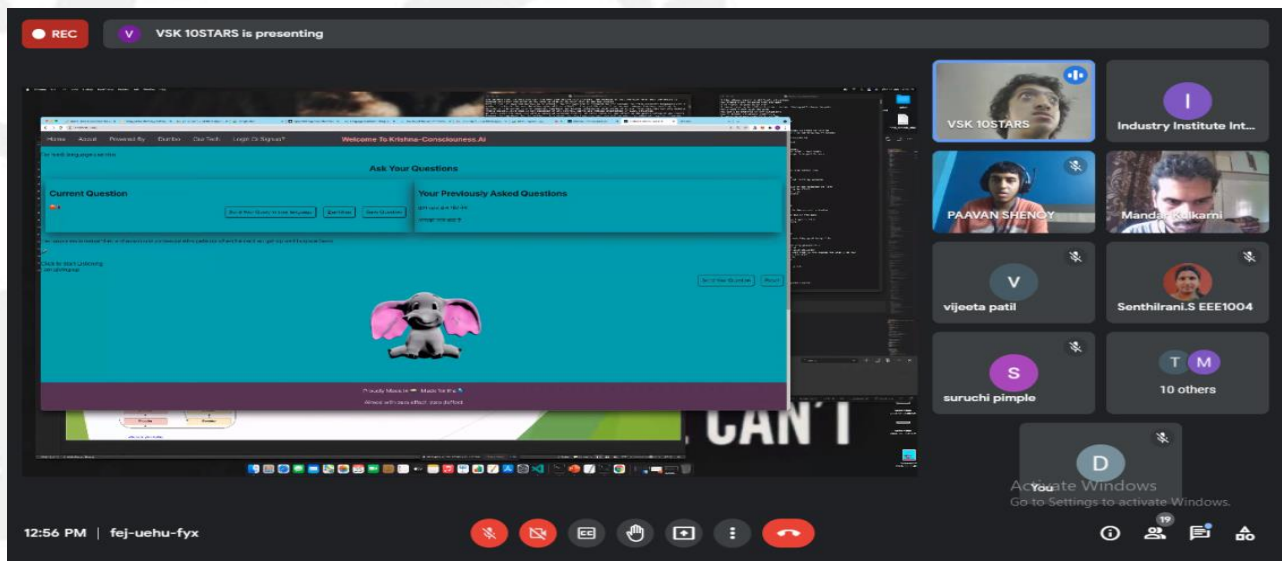


Photo: Toycathon 2021

Logo Competition

The IPR Cell of NIT Arunachal Pradesh had organized a Logo Competition for students/faculty members and non-teaching staff of the institute on 08.03.2021. The main focuses of the logo were (a) Aim & objective of IPR Cell (b) Rising Sun and (c) Natural beauty of Arunachal Pradesh. We received more than 30 creative logos. After this overwhelming response from

students/faculty/non-teaching staff, the reviewers scrutinized vigorously and found the logo prepared by MONICA MIBANG, EE/17/06 is best suitable and selected for 1st Position. The reviewer committee Dr. Amarendra Kumar Das PhD (Professor, Department of Design, Indian Institute of Technology Guwahati), Mr. Siddhartha Devnath (Scientist-C, Patent Information Centre- Assam, Department of Science & Technology, Govt. of India, Assam Science Technology & Environment Council, Department of Science & Technology) and Dr. Debajit Mahanta (Project Director, DBT-APSCS&T Centre of Excellence for Bioresources and Sustainable Development, Department of Science & Technology, Government of Arunachal Pradesh). Needless to mention that the whole event was supported by the honorable director Prof. Pinakeswar Mahanta and Dr. Prases Kumar Mohanty (Dean in charge of Research and Development) and Dr. Saikat Kumar Jana (Assistant professor, IPR cell coordinator) coordinated the event throughout to make this event fruitful.



Photo: The Winner's Logo

Internship for B.Tech Students:

A 4 week online Internship on “Power Generation Technologies of Emerging Trends” for 3rd & 4th

year B.Tech students of EE, ECE & ME and MTAB and NPTI is being organized in the presence of Prof. Pinakeswar Mahanta, Director, NITAP and faculty members. Around 110 NITAP students participated in the event, 14 June 2021.

PhD Viva-voce:

Mr. Hage Doley has successfully defended his PhD thesis Viva-Voce on 2nd June, 2021 under the guidance of Dr. Pratap Kumar Swain, Assistant Professor, Dept. of BAS, NITAP. Thesis Title: “Magneto-Electric coupling in the multiferroic composite $(1-x) \text{Ba}_5\text{RTi}_3\text{V}_7\text{O}_{30-x}\text{BiFeO}_3$ ”.

ECE Student Society:

ECE Student society webpage was inaugurated on June 28 by Prof. Pinakeswar Mahanta, Director, NITAP. Webpage: <https://ecess.herokuapp.com>

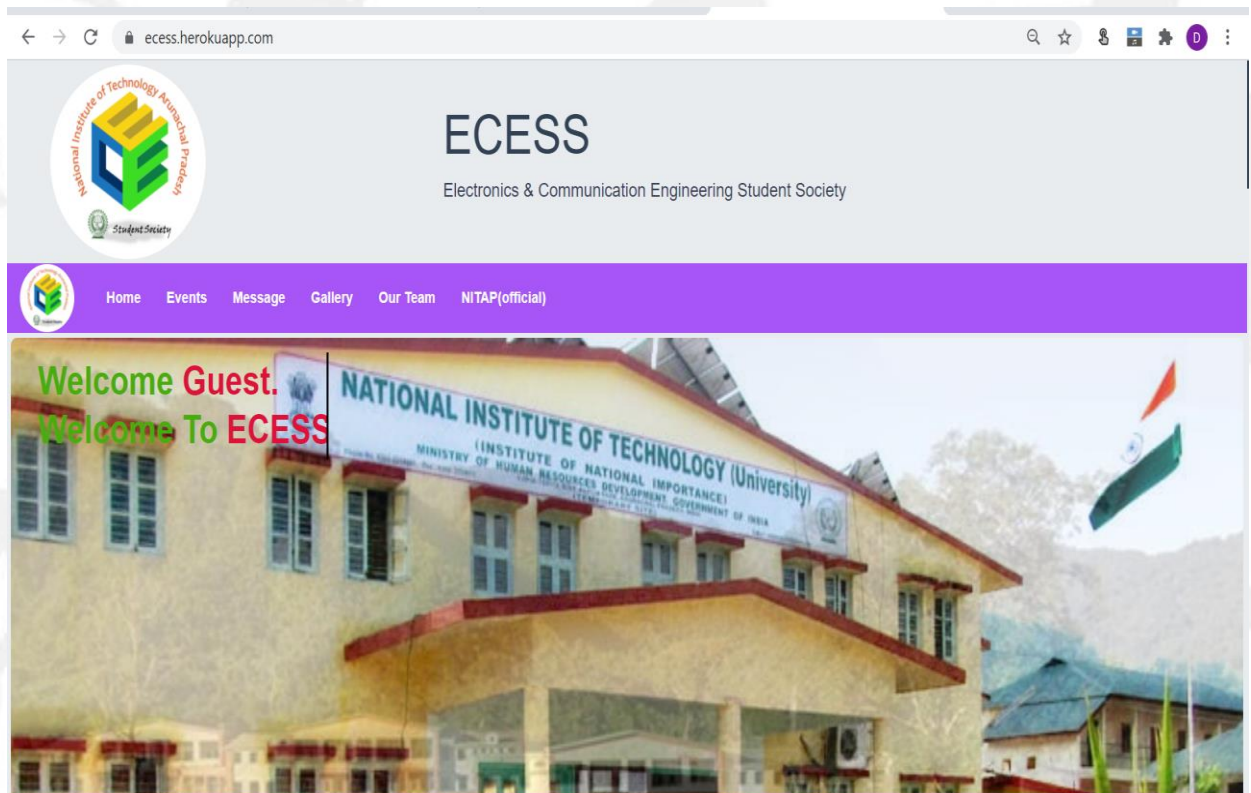


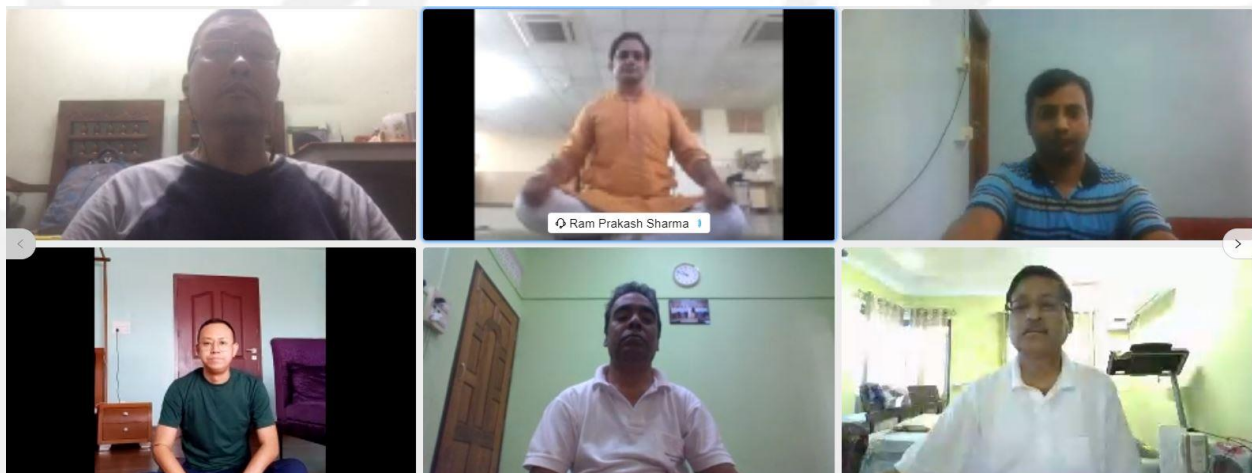
Photo: Webpage of ECESS

Outreach Activities

International Day of Yoga:

The International Day of Yoga (IDY) was celebrated with thematic message of “Be With Yoga Be At Home” Virtually on 21st June, 2021 in NIT Arunachal Pradesh. Faculty members, staff and students with their family members participated in the 45 minutes Common Yoga Protocol (CYP) in their home.

On the occasion of International Day of Yoga (IDY), a Yoga session on 21/06/2021 from 10 AM to 11 AM was organized by Dr. Ram Prakash Sharma, Associate Professor, Dept. of ME through virtual mode and conducted by Mr. Mahendra Singh Rao, Yoga Guru, Gurukul Yoga Sansthan, Jaipur. Faculty members, officers, staff and students of NIT Arunachal Pradesh and also members from other Institutes like – Dhemaji Polytechnic, ITI – Yupia, other NITs from North-East, Universities etc. participated on Yoga session through online mode.



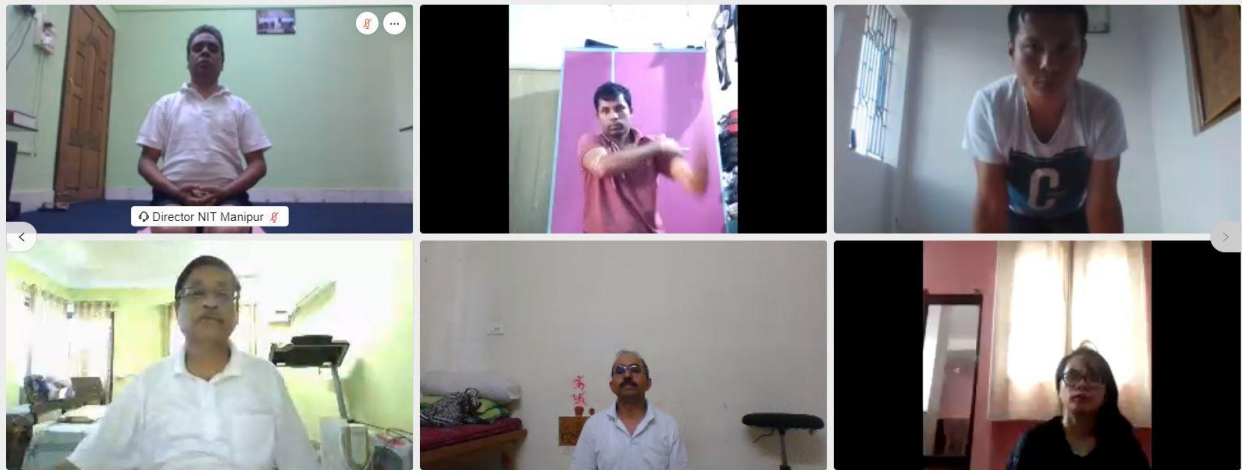


Photo: International Day of Yoga Celebration

World No Tobacco Day:

Dr. Rajen Pudur & Shri Nabam Talar, Ambassadors of Tobacco Free Campus organized Pledging Taking Event (online) for World No Tobacco Day, 31 May, 2021.

World Environment Day:

Dr. M. M. Singh, Nodal Officer, Outreach Team organised the celebration of world environment day on 5th June 2021 for NIT Arunachal Pradesh online. Dr Achyuth Sarkar, NCC Coordinator Guided the NCC Cadets. NCC Cadets has plugged sapling at household area on this promising day.

National Institute of Technology Arunachal Pradesh has organized World Environment Day on 5th June 2021, online at 5.00 pm.

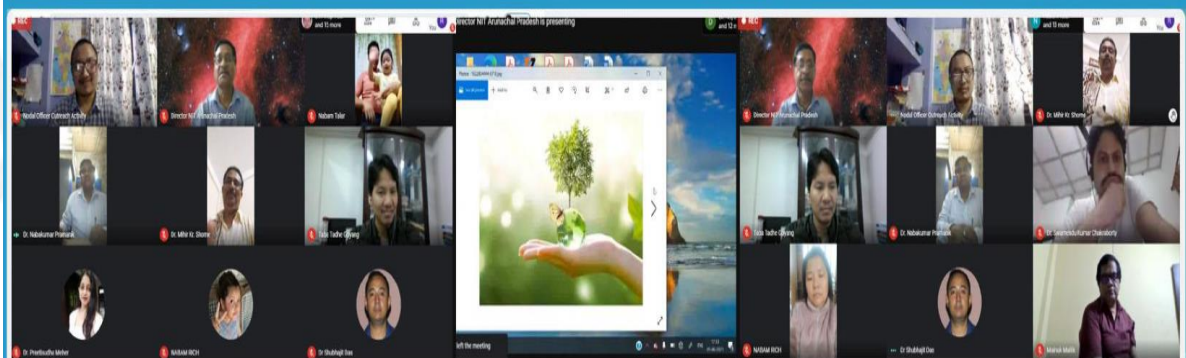




Photo: World Environment Day 2021

Observance of Ani-terrorism Day:

NITAP observed Anti-terrorism Day on 21 May, 2021. During the event, the anti-terrorism pledge was taken against any form of terrorism activities.



Photo: Observance of Ani-terrorism Day

Prime Minister Cares Fund:

Faculty members/Staff/Officers of NITAP donated one-day salary of June to Prime Minister Cares Fund to provide relief to the affected due to distress situation caused by the COVID-19.

Our Alumni

Firstly I would like to thank you for giving me this opportunity and it's my pleasure to introduce myself. I am Dr. Suraj Kumar saw, currently working as an Assistant Professor in PICT Pune, Maharashtra I am really thankful to my parents for allowing me to go to Arunachal Pradesh for perusing my PhD degrees in Dept. of ECE (2016-2020). During my PhD tenure I learned many new things and spent a quality time in institute which is unforgettable. All faculties members are very supportive and encourage students to push boundaries to rise above expectations. The scenic beauty and peaceful environment of NITAP situated in Eastern Himalayas valley is best suited for teaching and learning. This is why, I highly recommend students to pursue their degree at this institute. Being a PhD scholar was one of the most rewarding experiences I have ever had. It is a very well structured and challenging programme that offered me a great opportunity to deepen my knowledge of Engineering, with guidance from exceptional professors. Indeed it was a wonderful experience at NITAP with an excellent exposure provided across the various platforms.



Dr. Suraj Kumar Saw
Assistant Professor
Pune Institute of Computer Technology
Pune

I, Rashmita Baruah, have been admitted to PhD program in Nanotechnology in the department of Joint School of Nanoscience and Nano-engineering in North Carolina A&T State University for fall intake 2021 with full Scholarship. And also been offered a Graduate Research Assistant position. The university is best known for its latest research on TMDC Materials in the field of Nano-engineering. The department is a joint collaboration of North Carolina A&T State University and University of North Carolina.



Rashmita Baruah
Batch: 2016-2018 (M.Tech)
Department/Branch: VLSI Design and Embedded Systems (ECE)
Year of Graduation/Post Graduation: 2018

Student's Voice

My Experience in NIT Arunachal Pradesh

As an NRI student, I was able to gain admission to NIT Arunachal Pradesh with SAT scores via DASA. Living in Arunachal Pradesh for two years gave me a completely different perspective on life. The verdant hills and the surrounding atmosphere were worlds away from the cities I had previously lived in. It took some time getting used to, but I have learned to appreciate it.

The temporary campus in Yupia, with lab equipment and a library, meets most of my requirements, but I am hoping that the permanent campus in Jote will be much more open and enjoyable. With the help of our director, this distant goal could become a reality very soon. Although studies have suffered during these difficult times, all of our helpful faculty members have given their utmost by taking classes and seminars online. The hostels are equipped with the basics, creating a good learning environment. TEQIP has enabled me to attend multiple workshops at IIT Guwahati.

It has been an incredible opportunity to share a campus with folks from other states and cultures. My Hindi speaking skills have increased tremendously. Momo and Panipuri became a part of my daily routine. I am thankful for the chance to express myself in this newsletter.



Aby Joseph Biju
B.Tech in Mechanical Engineering

Hi everyone, myself Sonali Mondal, Ph.D. scholar in the Dept. of Computer Science & Engineering. For any Indian student who has completed “Post Graduation” wishes to be a research scholar of a prestigious Institution. Getting selected in “Institutes of National Importance” is always a dream. For me that dream came true on 31st July 2020. During that time a pandemic (Covid-19) was prevailing around the world. The entire civilization was struggling for existence. At that crucial moment I got selected for the PhD programme in Computer Science & Engineering at one of the prestigious institutes in the country, NIT Arunachal Pradesh. Thank you National Institute of Technology Arunachal Pradesh, for giving me that opportunity to prove myself in my research area. Our highly qualified professors are very cooperative, not only they are taking regular classes, conducting doubt clearing sessions, workshops, seminars, but also taking sessions for our mental wellbeing when we all are going through uncertainty.

Desperate times call for desperate measures but the human spirit is indomitable and this is clearly prominent here in NIT Arunachal Pradesh. The Institute has exhibited high levels of commitment to education by sustaining research work even through online mode and also we got access of various expensive licensed software from our home so that we can explore our research work uninterruptedly. Our respected faculties have shown admirable efforts of taking the classes online during this pandemic. Such an untiring enthusiasm and constant support from the faculties and staff of the institute has not only strengthened my quest for deeper and newer frontiers of scientific knowledge but also provoked me to quench my thirst for knowledge, forced me to go ahead to achieve something new.

Last but not the least, I would like to thank honourable Director Sir, Registrar Sir, all the Deans of our Institute, all faculty members and all non-teaching staff of our institute for smoothly running our academic activities even in this tough time. INDIA will win the battle against COVID!! Then we will be able to truly experience the sights and sounds of NIT Arunachal Pradesh in all its beauty and splendour.



Sonali Mondal
Ph.D. Scholar
Department of Computer Science & Engineering, NITAP

About Me: About My Institute

National Institute of Technology Arunachal Pradesh is an upcoming premier institute in the hills of the frontier state. A new dawn shines upon this baby NIT as it gets a new campus and a new breeze of life with the director as commander in chief. Despite all these natural hurdles the faculty & staff are supportive and student centric for most part of whatever I have experienced. My journey at this NIT started as a guest faculty, before getting the opportunity to pursue as a fulltime research scholar. The institute has unique characteristics of its own that attracts resilient people looking for excellence in their own terms and conditions, rather than refurbished name tags of established academic brands.



Uday Sankar Das
Research Scholar
Dept. of Management & Humanities

Arunachal Pradesh, the “Land of the Rising Sun”. In the same way, NIT Arunachal Pradesh is also a “Rising Sun” in the field of education and knowledge. To be a part of an “Institutes of National Importance”, is always prestigious for any student in his/her life. Being a part of 19th ranked NIT among the 31 National Institutes of Technology (NITs) in India, I would like to thank all the teaching and non-teaching staff of our institute for their heroic efforts to run the academic and non-academic activities steadily in this pandemic situation. Due to this pandemic situation we have an opportunity for restructuring the present conventional, classroom based educational system, and in spite of many challenges, our institute made it quite perfectly by introducing e-learning mode (like, NIT Moodle) in a very short time span with good confidence.

Although I joined the institute in June, 2020, I am not able to visit our institute for this COVID situation. I am eagerly waiting for the day when all this curse will have gone and we will meet at our new campus with a new normal lifestyle.



Sani Majumder
PhD Scholar
Department of Basic & Applied Science, NITAP

Announcements

2nd Pan NIT HSS International Conference ICRTGR 2022:

Department of Management & Humanities, NITAP with other 20 NITs is collaborating with MNIT, Jaipur to organize 2nd Pan NIT HSS International Conference on 'Resilience and Transformation for Global Restructuring' (ICRTGR 2022) from 07-09 January, 2022. For more information, visit <https://icrtgr2022.in/>.

Faculty Development Program:

One week AICTE Training and Learning (ATAL) Academy sponsored online Faculty Development Program on 'Design Thinking and Product Development' from 23rd to 27th August 2021 to be organized by the Department of Mechanical Engineering, NIT Arunachal Pradesh.

AICTE TRAINING AND LEARNING (ATAL) ACADEMY
SPONSORED
ONLINE FACULTY DEVELOPMENT PROGRAM
ON
**DESIGN THINKING
AND
PRODUCT DEVELOPMENT**
From 23rd August to 27th August 2021



**Organized by
The Department of Mechanical Engineering
NIT Arunachal Pradesh**

Registration Procedure for Design Thinking and Product Development:

Kindly register for the program through AICTE ATAL portal. The link for the same is given below:

<https://atalacademy.aicte-india.org/login>

Steps to join FDP

1. Visit <https://atalacademy.aicte-india.org/signup>
2. Sign up as a participant and complete the process of registration.
3. List of all FDPs will be visible under the workshop tab in your login
4. Using the keys Ctrl F and search keyword **Design Thinking and Product Development** to get the course details.
5. The FDP can also be searched by filtering the **State** option as **Arunachal Pradesh** and the **month** option as **August**.
6. Click on "+" icon to join the course.

Program Coordinator:

Dr. Shubhajit Das
Assistant Professor

Department of Mechanical Engineering
NIT Arunachal Pradesh

Email: shubhajit@nitap.ac.in; 06shubhajit@gmail.com

Contact: +91 94355 4709

Notification to PhD Admission July - December 2021:

Applications are invited for admission to Ph.D. programme under Part-Time/ Project (Part-Time)/ Self-Sponsored category for all the departments for session July - December 2021. The application form and other details are available in the institute website: www.nitap.ac.in.

NIT Arunachal Pradesh, Permanent Campus, Jote





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National Institute of Technology
Arunachal Pradesh