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Prof. Pinakeswar Mahanta
Director
NITAP

DIRECTOR's Message

A Warm Greetings!

It gives me immense pleasure to state that as a result of collective effort of faculty members, officers, staff and students over past few years, NITAP secured Band A (Rank Between 11th – 25th) among the category of Institute of National Importance, Central Universities and CFTIs, in Atal Rankings of Institutions on Innovation Achievements (ARIIA) 2020, MHRD's Innovation Cell (MIC), Ministry of Education, Government of India. This is another feather in the cap of NITAP with recent rank of 200th position in NIRF 2020.

Our faculty members and officers worked diligently and engaged enthusiastically in many academic, research and outreach activities to accomplish a few milestones of our mission. They engaged students through different teaching modes like online classes, summer courses and NPTEL courses to inculcate knowledge. Other activities like signing of MoU with Assam Science and Technology University (ASTU), Guwahati, Invited Lectures, Workshops, Webinars were held during this period. Under research and development, around 36 research papers were published in reputed journals and conferences. EBSB Club, SC/ST/OBC Cell, Alumni Association and NCC Units of the institute organized many events as a part of outreach activities. Electrical Engineering Student Society (EESS) was established so as to enrich academic and research activities among students.

I congratulate our alumni Ms. Yashni Nagarajan for her recent achievement 57th Rank in Civil Service Examination 2019. Best wishes to her!

With this note, I wish you all "Stay home, Stay safe". Let's unite and achieve our goals together.

Editor-in-Chief's Message

I thank my team members Dr. Shubhajit Das, Dr. MilloYasung and Mr. Gautam Singh for their supports and suggestions. Special thanks to my colleagues for their valuable comments to make this current edition more perfect.

I invite all students, alumni, faculty members, officers, supporting staff and various stakeholders associated with NITAP to support us and send us your activities to technodaya@nitap.ac.in.



Dr. K. Vijayakumar,
Assistant Professor, Editor-in-Chief



National Institute of Technology
Arunachal Pradesh

ARIIA 2020 Ranking:

National Institute of Technology, Arunachal Pradesh secured Band A (Rank Between 11th – 25th) among the category of Institute of National Importance, Central Universities and CFTIs, in Atal Rankings of Institutions on Innovation Achievements (ARIIA) 2020, MHRD's Innovation Cell (MIC), Ministry of Education, Government of India.



Photo: ARIIA 2020 Ranking Position

Memorandum of Understanding (MoU):

MoU was signed to exchange academic activities and research collaboration between NITAP and Assam Science and Technology University (ASTU), Guwahati, in the presence of Prof. Pinakeswar Mahanta, Director, NITAP and Dr. Dhiraj Bora, Vice-Chancellor of Assam Science and Technology University, Guwahati. Faculty members of NITAP and ASTU were present online, 21 Aug, 2020.



Photo: MoU Signing Ceremony

Conclave and Interactive Session on NEP:

Faculty members of NITAP participated a conclave on NEP organized by Ministry of Education, GoI. Honourable Prime Minister Shri. Narendra Modi and Honourable Education Minister Shri Ramesh Pokhriyal 'Nishank' delivered inaugural address on “Transformational Reforms in Higher Education under National Education Policy” 07 Aug, 2020. NITAP organized an interactive session on National Education Policy. Prof. Pinakeswar Mahanta, Director, NITAP and Dr. Rajen Pudur, Dean Academic presided over the session, had interaction and collected views and comments from faculty members of NITAP, 12 Aug, 2020.



Photo: Conclave and Interactive Session on NEP

Visits:

Prof. Pinakeswar Mahanta, Director, NITAP and Dr. Shubhajit Das, Assistant Professor, Department of Mechanical Engineering visited MSME Technology Centre, Guwahati on 24.08.2020 to discuss about possible establishment of an extension centre of Tool Room and Training Center (TRTC) under MSME, Govt. of India at NIT Arunachal Pradesh (Jote Campus) with Mr. Kajal Kumar Saha, Project Manager, TRTC Guwahati.



Photo: Visit MSME Technology Centre, Guwahati

Statutory Meetings:

Board of Governors Meeting (BoG)

Date	Activities
30/07/2020	BoG Meeting By Circulation
18/08/2020	BoG Meeting By Circulation

Finance Committee Meeting (FC)

Date	Activities
30/07/2020	FC Meeting By Circulation
18/08/2020	FC Meeting By Circulation

Building and Works Committee Meeting (BWC)

Date	Activities
28/07/2020	BWC Meeting by Circulation

Future Skills Technologies Development:

1. NIT, Arunachal Pradesh initiated Online Teaching in Data Science and Analytics under the coordination of Dr. A. Vanav Kumar, Assistant Professor from June 2020 to till date as a part of Future Skills Technologies Development (Under the guidance from NASSCOM) for students under TEQIP –III, Ministry of Education (formerly MHRD), NIT, Arunachal Pradesh.
2. Dr. Sahadev Roy conducted the Future Skill Training on Robotics and Industrial Automation (sponsored by TEQIP III) 150 external candidates participated along with 78 internal candidates.

Invited/ Expert Lectures:

1. Prof. Pinakeswar Mahanta, Director, NITAP delivered a keynote lecture in International Conference on Recent Advances in Mechanical Engineering Research and Development (ICRAMERD-2020) organized by Department of Mechanical Engineering, ITER, S'O'A Deemed to be University, Bhubaneswar, 24-25Jul, 2020.
2. Dr. Sahadev Roy, Assistant Professor, Dept. of ECE delivered an expert talk on ‘Technological Aspects of Entrepreneurship’ in a National Webinar organized by the Department of ECE and Basic and Applied Science Department, Dumka Engineering College, Jharkhand, 8 Aug, 2020.
3. Dr. Sahadev Roy, Assistant Professor, Dept. of ECE delivered an expert talk on “Startup Virtual Ideation Camp” in a National Webinar organized by Start-up and Innovation Cell, Dumka Engineering College, Jharkhand, 10 - 12 Aug, 2020.
4. Dr. Pratap Kumar Swain, Assistant Professor, Dept. of BAS delivered an expert talk on ‘String Theory and Conceptual Aspects of Gauge - Gravity Duality’ in a 3 day Webinar organized by the Department of Physics, JNC, Arunachal Pradesh, 7-9 Aug, 2020.
5. Dr. Ram Prakash Sharma, Dept of ME, delivered an e-Invited talk entitled “Secrets of Success and Career Opportunities for Mathematics Students” Organized by Department of Mathematics, C. M. Science College, Darbhanga, Bihar, India, 7 Aug, 2020.
6. Prof. M. K. Shome, Dept. of M&H as a Resource Person delivered a lecture on the topic “ Statistical Method for Teaching and Learning” for the One Month (20th July 2020 to 14th August 2020) International Faculty Development Program on Teaching and Learning in Higher Education” (FDPTAL) organized by the International Institute of Education Research and Training (IIERT) powered by Eudoxia Research Centre, India (ISO-2015 certified, IAF Accredited and registered under MCA, Govt. of India)“, where 350 participants from 193 countries participated in this program.

7. Prof. M. K. Shome, Dept. of M&H as a Resource Person of one-month online International Training program on Research Manuscript Drafting and Publishing (TORMP-2020)" delivered lecture two hours on Statistical method for Teaching and Learning") 06 Jul -06 Aug, 2020.

8. Prof. M. K. Shome, Dept. of M&H invited as a keynote speaker of Technical session-5 (Time 10:30 am of 25th July, 20). Seven Days International Online Workshop on "COVID-19 and its Impact in India" in "Ethical challenges arising in the educational institutions during Covid-19" organized by Chandidas Mahavidyalaya, Khujutipara, Birbhum in collaboration with Ananda Chandra College, Jalpaiguri. 21-27 Jul, 2020.

9. Prof. M. K. Shome, Dept. of M&H as a Resource Person delivered a talk in one-month "Hands-on International Training". Training Program on Application of SPSS for Data Analysis (TOSDA-2020) delivered six hours' lecture where 412 participants from 193 countries participated in this program, 11 Jun-10 Jul, 2020.

Workshop/FDP/Seminar/Conference/Webinar:

1. Online Future Skill Training Program on 'Robotics and Industrial Automation' (Sponsored by NPIU, TEQIP III) was conducted by Dr. Sahadev Roy, Assistant Professor, Dept. of ECE, NITAP, Jul -Sep, 2020.

2. Online Faculty Development Programme on 'Research Trends in Water Resources and Environmental Engineering' (Sponsored by TEQIP-III) was organized by Dr. M. Berlin, Assistant Professor, Dept. of CE in collaboration with Government College of Technology Coimbatore 03 -07 Aug, 2020.

3. Online Short Term Course on "Aspects of Modern Optimization Techniques in Science and Engineering (AMOTSE 2020)" was organized by Dr. Shubhajit Das, Dr. Prases Kumar Mohanty, Assistant Professor, Dept. of ME and Dr. Debjit Dutta, Assistant Professor, Dept. of BAS, under TEQIP-III Twinning Activity with Dept. of ME, GCT, Coimbatore, 17-21 Aug, 2020. (Participants were more than 700).

4. One-month Yoga Program with Yoga Guru: Mahendra Singh Rao,

organized by Dr. R.P. Sharma and Dr. M.M. Singh for all NITs faculty members, students and school teachers and students of Arunachal Pradesh, from 05 - 04 Sep, 2020 everyday 04.30 pm to 05.30 pm.(Participants were more than 300).



Photo: One-month Yoga Program

5. Workshop on 'Data Science (DS-2020)' (Sponsored by TEQIP) was organized by Dr. Deepak Gupta, Assistant Professor, Department of CSE, NITAP, 04-08 Aug, 2020.



Photo: Workshop on DS-2020

6. Workshop on 'Digital Image Processing and its Applications (DIPA-2020)' (Sponsored by TEQIP) was organized by Dr. Deepak Gupta, Assistant Professor, Department of CSE, NITAP, 24-28 Aug, 2020.

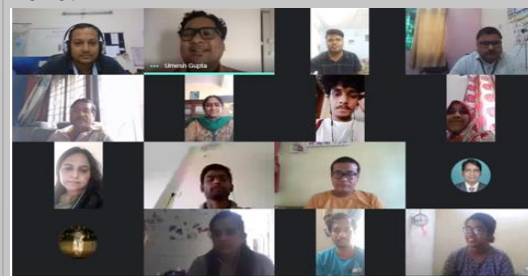


Photo: Workshop on DIPA-2020

7. 5 Day Online Workshop on 'Start-up and Innovation' (Sponsored by TEQIP) was organized by Dr. M. M. Singh, Assistant Professor, Department of M&H, NITAP 11-14 Aug, 2020.(Participants were more than 100).

8. Doubt Clearing Session for students regarding NPTEL/SWAYAM was organized by Dr. K. Vanav Kumar, Assistant Professor, Department of BAS, NITAP, 28 Aug, 2020.

COVID-related Inventions:

One of the research papers titled "Modelling and Forecasting of COVID-19 Spread using Wavelet-coupled Random Vector Functional Link Networks" of Mr. Barenya B. Hazarika and Dr. Deepak Gupta has been published in Applied Soft Computing (Category: Q1, SCIE IF: 5.472). The link for download: <https://authors.elsevier.com/a/1bavv5aecShEZe>.

Patent:

Dr. Achyuth Sarkar *et.al.*, "Dyanamic Defence Mechanism against Pinned attacks of Master Nodes in Wireless Sensor Networks". (Australian Government, IP Australia) Date of Publication- 05 Aug, 2020.

Projects/Consultancy Works:

1. Dr. Mainak Mallik, Associate Professor, Dept. of CE proof checked (as part of consultancy work) of Structural Design Construction Methodology of an Overhead Water Tank - Precast Type 5 ESR (Strand Jack Lift) from L&T Construction.

2. Dr. Achyuth Sarkar *et.al.*, submitted Start-up Plan titled "Solar Powered IoT based Sustainable Organic Compost Machine" to Centre for Innovation Incubation and Entrepreneurship, GiZ Germany.

Paper Publication/Presentation:

1. Saikia, R., Mahanta, P. and Das, H. J., "Heat recovery from the Downcomer of a pressurized circulating fluidized bed during various transient conditions". Heat and Mass Transfer, pp.1-9. 2020.

2. Abreha, B.G., Mahanta, P. and Trivedi, G., "Thermal performance evaluation of multi-tube cylindrical LHS system". Applied Thermal Engineering, p.115743. 2020.

3. Singh, P., Kalita, P. and Mahanta, P., "Numerical study of the hydrodynamics and heat transfer characteristics of gas-solid in a slit-less rotating fluidized bed in static geometry". Journal of Thermal Analysis and Calorimetry, pp.1-10. 2020.

4. Mahapatro, A., Kumar, A. and Mahanta, P., "Parametric study and exergy analysis of the gasification of sugarcane bagasse in a pressurized circulating fluidized bed gasifier." Journal of Thermal Analysis and Calorimetry, pp.1-11. 2020.

5. Das, H. J., Mahanta, P., Saikia, R. and Aamir, M. S., "Performance evaluation of drying characteristics in conical bubbling fluidized bed dryer." Powder Technology. 2020.
6. Buragohain, S., Mohanty, K. and Mahanta, P., "Experimental investigations of a 1 kW solar photovoltaic plant in standalone and grid mode at different loading conditions." Sustainable Energy Technologies and Assessments, 41, p.100796. 2020.
7. Abreha, B. G., Mahanta, P. and Trivedi, G., 2020. "Performance investigation of lab-scale shell and tube LHS prototype". Journal of Energy Storage, 31, p.101527. 2020.
8. Singh, P., Mahanta, P., and Kalita, P., "Numerical study of gas-solid vortex reactor with spiral chimney". 1st online National Conference on Recent Trend in Thermal Sciences and Alternate Energy Resources (RTTSAER2020), at GCT, Coimbatore and NITAP. 01 Jul. 2020.
9. Kumar, A., Mahapatro, A., Mahanta, P. "Hydrodynamic Behavior of Sawdust in a Pressurized Fluidized Bed". International Conference on "Recent Advances in Mechanical Engineering Research and Development (ICRAMERD-20)" at Department of Mechanical Engineering, Institute of Technical Education and Research Siksha 'O' Anusandhan (Deemed to be) University Bhubaneswar, Odisha-751030. 24-25 Jul, 2020.
10. Das, H. J., Mahapatro, A., Mahanta, P., Saikia, R. "Comparison of Hydrodynamic Behaviour of Conical Fluidized Bed Risers with a Columnar Fluidized Bed Riser". International Conference on "Recent Advances in Mechanical Engineering Research and Development (ICRAMERD-20)" at Department of Mechanical Engineering, Institute of Technical Education and Research Siksha 'O' Anusandhan (Deemed to be) University Bhubaneswar, Odisha-751030. 24-25 Jul, 2020.
11. Dr. U. K. Saha, presented paper entitled "Unsteady Casson Fluid Flow Past a Sudden Stretching and Application of Quadratic Free Convection" in 1st Online National Conference on Recent Trends in Thermal Sciences and Alternate Energy Resources held by Dept. of ME, Government college of Technology, Coimbatore-13 and Dept. of ME, NITAP, 01 Jul, 2020.
12. Dr. U. K. Saha, presented paper entitled "A Numerical Study on Atangana-Baleanu and Caputo-Fabrizio Fractional Derivatives for Variable Viscosity and Thermal Conductivity on an MHD Flow Over a Vertical Hot Stretching Sheet with Radiation and Viscous Dissipation" at International Conference on Computing and Communication (IC3- 2020), Sikkim Manipal Institute of Technology, Sikkim, 13-14 Jul, 2020.
13. Shradha Lohar and Prases K. Mohanty, presented paper entitled "Damage Analysis of an Inclined Cracked Curved beam using ANFIS" at 2nd International Conference on Future Learning Aspects of Mechanical Engineering (FLAME 2020), Amity School of Engineering and Technology, Amity University Uttar Pradesh, 05 – 07 Aug, 2020.
14. Laxmi Linggi, Berlin M, Mainak Mallik, Shantonu Roy, Narayanan Natarajan, Mangottiri Vasudevan, "Feasibility Investigation of Adsorptive Removal of NH₄⁺ and NO₃⁻ Species from Clayey Aquifer using Special Soils", Environment, Development and Sustainability, 2020. <https://doi.org/10.1007/s10668-020-00889-6> [Impact factor: 2.191], (Scopus & SCI).
15. D. Muchahary, S. Maity, S. K. Metya. B. Basumatary, "A simulation approach to improve photocurrent through a double layer of the emitter in a-Si_{1-x}C_x/c-Si heterojunction solar cell", Superlattices and Microstructures, vol. 146, pp. 06651, 2020.
16. S. Awasthi, A. Biswas, S. K. Metya, A. Majumder, "Optical Configuration of Modified Fredkin Gate using Lithium Niobate based Mach Zehnder Interferometer", Applied Optics, vol. 59, no. 23, pp. 7083-7091, 2020.
17. S. Ghosh, A. Ray, and N. Pramanik, "Self-assembly of surfactants: An overview on general aspects of amphiphiles", Biophysical Chemistry, vol. 265, pp. 106429, 2020.
18. Cristina Gammeng, U. K. Saha and S. Maity, "On Riemann-Liouville Fractional Calculus and F-Function", International Journal of Recent Technology and Engineering (IJRTE), 8 (6), 1-3, 2020.
19. C. Gammeng, U. K. Saha and S. Maity, "Weyl Fractional Integral and Multi-Index Dzrbashjan-Gelfond-Leontiev (D-G-L) Differentiation and Integration with Multi-Index Mittag-Leffler Function", Advances in Mathematics: Scientific Journal, 9 (3), 1191–1196, 2020.
20. Dipen Saikia, U. K. Saha and G. C. Hazarika, "A Numerical Study on Atangana-Baleanu and Caputo-Fabrizio Fractional Derivatives for MHD Flow Past a Moving Vertical Plate with Heat Source and Variable Viscosity and Thermal Conductivity", International Journal of Advanced Science and Technology, 29 (3s), 745-760, 2020.
21. Dipen Saikia, U. K. Saha and G. C. Hazarika, "A Numerical Study of Atangana-Baleanu and Caputo-Fabrizio Analysis of Fractional Derivatives for MHD Flow Problem over a Hot Stretching sheet with Variable Viscosity and Thermal Conductivity", IAENG International Journal of Applied Mathematics, 50 (3), 616-627, 2020.
22. C. Gammeng, U. K. Saha and S. Maity, "On Fractional Q-Calculus of the R-Function", Advances in Mathematics: Scientific Journal, 9 (9), 6507–6512, 2020.
23. Dipen Saikia, U. K. Saha and G. C. Hazarika, "Atangana-Baleanu and Caputo-Fabrizio Analysis of Fractional Derivatives on MHD Flow Past a Moving Vertical Plate with Variable Viscosity and Thermal Conductivity in a Porous Medium", International Journal of Mathematical, Engineering and Management Sciences.
24. Dhal, Ajitesh, Thangapandi Kalyani, Suvankar Ghorai, Niroj Kumar Sahu, and Saikat Kumar Jana. "Recent development of electrochemical immunosensor for the diagnosis of dengue virus NSI protein: A review." Sensors International (2020) 100030.
25. Seema Tinker, S. R. Mishra and Ram Prakash Sharma, Influence of Soret and Dufour effect on MHD flow over an exponential stretching sheet: A numerical study", Indian Journal of Pure and Applied Physics, Vol. 58, pp. 558-568. July 2020,
26. Ram Prakash Sharma, Seema Tinker and B. J. Gireesha, B. Nagaraja, "Effect of convective heat and mass conditions in magnetohydrodynamic boundary layer flow with Joule heating and thermal radiation", Int. J. of Applied Mechanics and Engineering, 2020, vol.25, No.3, pp.103-116.
27. Ram Prakash Sharma, P. S. Rao, Om Prakash, S. R. Mishra, The transient free convection magnetohydrodynamic motion of a nanofluid over a vertical surface under the influence of radiation and heat generation, Indian Journal of Geo-Marine Sciences Vol. 49 (05), pp. 889-897. 2020.

28. Ram Prakash Sharma, Nilankush Acharya, Kalidas Das, "On the effect of variable thickness and melting heat transfer on magnetohydrodynamics nanofluid flow over a slendering stretching sheet, Indian Journal of Geo-Marine Sciences, 49 (04), pp. 641-648, 2020, SCIE, ISSN: 0379-5136, I.F. 0.289, H Index: 28, Natl Inst Science Communication-Nisclair.

29. Ram Prakash Sharma, S. R. Mishra, "Effect of higher-order chemical reaction magnetohydrodynamic micropolar fluid motion with the internal heat source", International Journal of Fluid Mechanics Research, 47(2):121-134, 2020, DOI: 10.1615/Inter. J. Fluid Mech. Res. 2019027201.

30. Ram Prakash Sharma, N. Indumathi, S. Saranya, B. Ganga, and A.K. Abdul Hakeem, "Radiative unsteady rarefied gaseous flow over a stretching sheet with velocity slip and temperature jump effects", The Journal of The Indian Mathematical Society, Vol. 87 Nos. (3-4) pp. 261-275. 2020.

31. M. K. Nayak, S. Saranya, B. Ganga, A. K. Abdul Hakeem, Ram Prakash Sharma, O. D. Makinde, "Influence of relaxation-retardation viscous dissipation on the chemically reactive flow of Oldroyd-B nanofluid with hyperbolic boundary conditions", Heat Transfer-Asian Research. Aug, 2020, <https://doi.org/10.1002/htj.21861>

32. Barenya B. Hazarika, Deepak Gupta, "Density-weighted support vector machines for binary class imbalance learning". Neural Comput & Applic, 2020. <https://doi.org/10.1007/s00521-020-05240-8> (SCI, Impact Factor: 4.774). <https://rdcu.be/b55rI>.

33. Barenya B. Hazarika, Deepak Gupta, "Modelling and Forecasting of COVID-19 Spread using Wavelet-coupled Random Vector Functional Link Networks". Applied Soft Computing, 96, pp. 106626, 2020. <https://doi.org/10.1007/s12665-020-08949-w> (SCI, Impact Factor: 5.472) <https://authors.elsevier.com/a/1bavv5aecShEZe>

34. Debjyoti Das Adhikari, Deepak Gupta. "Applying over 100 classifiers for churn prediction in telecom companies", Journal of Multimedia Tools and Applications, Springer. (SCIE, Impact Factor: 2.313).

<https://rdcu.be/b6udl>

35. P. Bhattacharjee, B. K. Bhattacharyya, A. Majumder, "A Vector Controlled Variable Delay Circuit to Develop Near Symmetric Output Rise/Fall Time" Circuits, Systems, and Signal Processing, Springer.

36. M. S. Rao, C. R. Pattanaik, A. Sarkar, M. Hayaraja, R. PandiSelvam "Machine Learning Models for Heart Disease Prediction", International Journal of Advance Science and Technology, pp. 4567-4580, Vol.29.

Book/Chapter Publication:

1. Sahadev Roy, K. Mukherjee, A. Biswas. "Plane Region Step Farming, Animal and Pest Attack Control Using Internet of Things" accepted for publication at "Analytics of Agriculture Automation using the Internet of Things and Machine Learning", Springer, Scopus index.

2. Dipen Saikia, U. K. Saha and G. C. Hazarika. "A Numerical Study on Atangana-Baleanu and Caputo-Fabrizio Analysis of Fractional Derivatives for the Effects of Variable Viscosity and Thermal Conductivity on an MHD Flow Over a Vertical Hot Stretching Sheet with Radiation and Viscous Dissipation." Soft Computing Techniques and Applications, Advances in Intelligent Systems and Computing. Springer Nature, 2021.

Faculty Empowerment Programmes:

1. Prof. Pinakeswar Mahanta, Director, NITAP attended webinar on "Accelerating Clean Energy Innovation: Global Needs and Opportunities for India" organized by International Energy Agency, 13 Jul, 2020.

2. Prof. Pinakeswar Mahanta, Director, NITAP attended Online Training Programme on "Renewable Energy Grid Integration Technology and Smart Energy Market Management" organized by National Power Training Institute North Eastern Region, Guwahati, 30 Jul, 2020.

3. Dr. Uday Kumar Khanikar, Registrar, NITAP attended Online Workshop on "Academic Integrity with Turnitin" organized by Central Library, Tezpur University, Assam, 03 Jun, 2020.

4. Dr. Uday Kumar Khanikar, Registrar, NITAP attended 2-hour Workshop on "Introduction to People Analytics" organized by Turnip Innovations Pvt. Ltd, 08 Aug, 2020.

5. Dr. U. K. Saha, Dept. of BAS attended FDP on "AI-The World of Prediction Machines" organized by the Dept. of Electronics and Instrumentation Engineering, GCT Coimbatore, 24 -30 Jun, 2020.

6. Dr. N. Pramanik, Dept. of CHE & CHY attended Webinar on "Virtual Learning-Bringing the Pharmaceutical World Together" organised by LCIT School of Pharmacy, Bilaspur (C.G.), 28 Jun, 2020.

7. Dr. U. K. Saha, Dept. of BAS attended workshop on "Moodle- An Open Source Learning Management System" organized by NITAP, 29 Jun - 06 Jul, 2020.

8. Dr. N. Pramanik, Dept. of CHE & CHY attended Workshop on "Moodle- An Open Source Learning Management System" organised by NITAP, 29 Jun - 06 Jul, 2020.

9. Dr. Sanjeev Kumar Metya, Dept. of ECE attended Webinar on "High capacity and intelligent optical transmission and networking for 5G/B5G" organized by OSA, 13 Jul, 2020.

10. Dr. Sanjeev Kumar Metya, Dept. of ECE attended Webinar on "Integrated Lithium Niobate Photonics" organized by OSA, 21 Jul, 2020.

11. Dr. Sanjeev Kumar Metya, Dept. of ECE attended Webinar on "Quantum Integrated Photonics" organized by OSA, 28 Jul, 2020.

12. Dr. N. Pramanik, Dept. of CHE & CHY attended a Conference on "Emerging Smart Materials in Applied Chemistry (ESMAC-2020)", organized by KIIT University, Bhubaneswar, Odisha, 10 - 12 Aug, 2020.

13. Dr. U. K. Saha, Dept. of BAS attended online short term course on "Aspects of Modern Optimization Techniques in Science and Engineering (AMOTSE 2020)" organized by NITAP and Dept. of ME, PG Government College of Technology, Coimbatore, Tamil Nadu, 17 -21 Aug, 2020.

14. Dr. U. K. Saha, Dept. of BAS attended webinar on "The Power of Spirituality in the Quality of Life and Perpetuity of Business" organized by Unifacvest Central Brazil, UbonRatchattnai Business School and Fater Academy of India (FAI), 22 Aug, 2020.

15. Dr. Saikat Kumar Jana, Dept. of BT attended webinar on “Introduction & Insights of Patent Act” organized by National Productivity Council, 24 Aug, 2020.

16. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “Academic and Scientific Writing Catapulting Institutional Visibility” organized by Central Library, Manipur University in collaboration with Springer Nature, 03 Aug, 2020.

17. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “Books or eBooks: what is the new normal?” organized by Clarivate Analytics, 09 Jul, 2020.

18. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “EN Session 1: Introduction to EndNote Basic and Bibliography creation” organized by Clarivate Analytics, 07 Jul, 2020.

19. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “EN Session 2: Using the cite while you write plugin/Recap and Quiz” organized by Clarivate Analytics, 10 Jul, 2020.

20. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “EN Session 3: Reference Management on EndNote X9” organized by Clarivate Analytics, 14 Jul, 2020.

21. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “How to run effective searches on Wiley Online Library” organized by Clarivate Analytics, 18 Aug, 2020.

22. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “IEEE - ABET Webinar on Accreditation and Quality of Engineering Education in South Asia” organized by IEEE India Council, 08 Jul, 2020.

23. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “Narrowing Distance learning through Morgan and Claypool e-Book collection” organized by EBSCO Information Service, 21 Jul, 2020.

24. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “National Education Policy 2020 : The way forward” organized by Federation of Indian Chambers of Commerce and Industry(FICCI), 17 Aug, 2020.

25. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “One Days State Level Webinar on Managing E-Resources Through Off Campus: Challenges And Issues” organized by Central Library PrabhuJagatbandhu College, Howrah, WB, 24 Jul, 2020.

26. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “Ranganathan and LIS Profession on the occasion of Celebration of Librarians' Day” organized by Indian Association of Special Libraries and Information Centres (IASLIC), Bengal Library Association (BLA) and West Bengal Public Library Employees Association (WBPLEA), 12 Aug, 2020.

27. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “Role of Digital Library and its Impact on Professionals and Researchers in Covid-19 Period webinar” organized by Mc Graw Hill, 25 Jul, 2020.

28. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “State Level Online Awareness Programme on PDS-ShodhShuddhi in North-East (8 States)” organized by INFLIBNET Centre, 06 Aug, 2020.

29. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “Webinar on Discovery Services and Related Aspects” organized by Society for the Advancement of Library and Information Science (SALIS) in collaboration with Springer Nature, 28 Jul, 2020.

30. Mr. Mohit Kumar De, Assistant Librarian attended webinar on “Wiley Author Webinar Series “Learn to Publish”” organized by John Wiley and Sons Pvt. Ltd, 30 Jun, 9,21, 30 Jul, 2020.

31. Dr. Ram Prakash Sharma, Department of ME attended 9 days webinar on "An Introductory Course on Fluid Dynamics" organized by the Department of Mathematics, CHRIST (Deemed to be University), Bangalore on 17-20 August and 24-28 Aug, 2020.

32. Dr. Ram Prakash Sharma, Department of ME attended a one day International Webinar on “Modern Trends in Mathematics and Its Applications” organized by Department of Mathematics, Krishnagar Government College, Krishnagar, Nadia, West Bengal, India, 21 Aug, 2020.

33. Dr. Ram Prakash Sharma, Department of ME attended one day Webinar on “Maths is everywhere: An Essential Part of Our Lives”by Department of Applied Science, Chitkara University, Punjab, 02 Jul, 2020.

34. Dr. Ram Prakash Sharma, Department of ME attended a one-day national level webinar on recent advancement of Mathematics" organized by Department of Mathematics, Vivekananda Mahavidyalaya, Burdwan, 10 Aug, 2020.

35. Dr. Ram Prakash Sharma, Department of ME attended a one-day national level webinar on “Applied Mathematical Modelling of Engineering Problems” by RTU Kota, 25 Aug, 2020.

36. Dr. Ram Prakash Sharma, Department of ME attended a one-day national level webinar and the Memorial lecture on Birth Anniversary of Late Prof. P. R. Sharma organized by Department of Mathematics and Statistics, Manipal University Jaipur, 10 Aug, 2020.

37. Dr. Ram Prakash Sharma, Department of ME attended one day Webinar on Build your career - A guide for Admissions organized by SRM IST Delhi NCR Campus, Modinagar, Ghaziabad, 25 Jul, 2020.

38. Dr. Ram Prakash Sharma, Department of ME attended One Day International Webinar on "Mathematics as a Weapon to Tackle Real Life Problems" organized by Department of Mathematics Krishnagar Government College, Nadia, W.B, 10 Aug, 2020.

39. Dr. Ram Prakash Sharma, Department of ME attended One Day International Webinar on Modern Trends in Mathematics and Its Applications Organized by Department of Mathematics Krishnagar Government College, Nadia, W.B, 21 Aug, 2020.

40. Dr. Deepak Gupta, Dept. of CSE attended one-week short term course on "Advanced Research Methods and Data Analysis Techniques" organized by Dr B R Ambedkar National Institute of Technology, Jalandhar, 27-31 Jul, 2020.

41. Dr. Deepak Gupta, Dept. of CSE participated in the webinar titled “Large Scale Least Squares Twin SVMs” organized by Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore, 20 Aug, 2020.

42. Dr. Mainak Mallik, Dept. of CE attended Webinar on “Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB” organized by under E and ICT Academies (under NKN summer course), 13-24 Jul, 2020.

43. Dr. Mainak Mallik, Dept. of CE attended Webinar on “ICT Tools for Teaching, Learning Process and Institutes” organized by under E and ICT Academies (under NKN summer course), 10-24 Aug, 2020.

Support for Institute

Faculty Awards and Achievements

44. Dr. Shubhajit Das, Dept. of ME attended workshop on “Moodle-An open source Learning Management System” organized by NITAP, 29 Jun - 06 Jul, 2020.

45. Dr. Shubhajit Das, Dept. of ME attended National webinar on “Sustainable Manufacturing” organized by the Dept. of ME, College Banswara, 11 Jul, 2020.

46. Dr. Shubhajit Das, Dept. of ME attended webinar on “Opportunities on Artificial Intelligence and Machine Learning” organized by Jorhat Institute of Science and Technology, 11 Jul, 2020.

47. Dr. Shubhajit Das, Dept. of ME attended webinar series on “Machine Learning for Engineering Applications” organised by Dept. of ME, GIMT Guwahati under Assam Science and Technology University (ASTU), 27 - 31 Jul, 2020.

48. Dr. Shubhajit Das, Dept. of ME attended webinar series on “Recent Research Trends in Tribology” organized by the Dept. of ME, GIMT Guwahati, under Assam Science and Technology University (ASTU), 03 - 07 Aug, 2020.

49. Dr. Shubhajit Das, Dept. of ME attended online Faculty Development Program on “Virtual CNC Machine Simulation Software” organized by IndiaSoft Technologies (P) Ltd., Pune, 08 Aug, 2020.

50. Dr. Shakti Prasad, Dept. of BAS attended international online workshop on "Application of Statistics in Science and Technology using SPSS" organized by the World Food Preservation Center, USA, 08 - 10 Aug, 2020.

51. Dr. Shubhajit Das, Dept. of ME attended webinar on “Arunachal Pradesh and her Rich Indigenous Culture and Custom” organised by EBSB Cell, NITAP, 06 – 15 Aug, 2020.

52. Dr. Shubhajit Das, Dept. of ME attended online FDP on “ICT Tools for Teaching, Learning process and Institutes” organized by E and ICT Academy, NIT Patna and MNIT Jaipur, 10 - 21 Aug, 2020.

53. Dr. Shubhajit Das, Dept. of ME attended webinar on “Gender Stereotyping: Issues and Challenges” organized by Engineering College Bikaner, Rajasthan and NIT Kurukshetra, 09 Aug, 2020.

54. Dr. Achyuth Sarkar, Assistant Professor, Dept. of CSE attended webinar on “International FDP on AI & ML” 03-07 Aug, 2020.

TEQIP-III (Twinning Activity):

1. Online National Conference on "Recent Trends in Thermal Sciences and Alternate Energy Resources" was organized by Dr. Anup Paul and Dr. Shubhajit Das, Assistant Professor, Dept. of ME under TEQIP-III Twinning Activity with Dept. of ME, GCT, Coimbatore, 01 Jul, 2020.

2. Online STTP on “Fundamentals of Computational Fluid Dynamics and Numerical Simulation of Fluid Flows and Heat Transfer” was organized by Dr. Anup Paul, Assistant Professor, Dept. of ME under TEQIP-III Twinning Activity, 06-10 Jul, 2020.

3. Online Short Term Course on “Aspects of Modern Optimization Techniques in Science and Engineering (AMOTSE 2020)” was organized by Dr. Shubhajit Das, Dr. Prases Kumar Mohanty, Assistant Professor, Dept. of ME and Dr. Debjit Dutta, Assistant Professor, Dept. of BAS, under TEQIP-III Twinning Activity with Dept. of ME, GCT, Coimbatore, 17-21 Aug, 2020.

1. Dr. Abir J. Mondal, Assistant Professor, Dept. of ECE was a Reviewer of Computing: Archives for Scientific Computing, Springer.

2. Dr. N. Pramanik, Assistant Professor, Dept. of CHE & CHY was a Reviewer of "Circular Economy in Managing Domestic Wastewater". IconSWM-CE Publication.

3. Dr. Deepak Gupta, Assistant Professor, Dept. of CSE Joined Editorial Board of Mathematics of Computation and Data Science as Review Editor for Frontiers in Applied Mathematics and Statistics.

4. Dr. Shubhajit Das, Assistant Professor, Dept. of ME, was a Reviewer of Materials Today: Proceedings [Elsevier], Jul 2020.

5. Dr. Sahadev Roy, Assistant Professor, Dept. of ECE participated as IIC Innovation Ambassador, MHRD's Innovation Cell, Govt. of India.

6. Dr. Anup Paul, Assistant Professor, Dept. of ME was a Reviewer of International Journal of Energy Research, Wiley Online.

7. Dr. Achyuth Sarkar, Assistant Professor, Dept. of CSE was a Reviewer of three papers.

Start-up Cell: Prakousol

1. Start-up Project Evaluation Result for Q1:

T.D. Das, Coordinator, Start-up Cell: Prakousol has approved the project evaluation result.

Sl. No.	Title of Project	Name of Students	Mentor Name
1	Autonomous Drone flight Controller on Embedded Systems	1. Vikas Kumar, CSE/17/08 2. Arpit Gupta, CSE/17/02	Dr. P. K. Mohanty, Dept. of ME
2	Ferrofluid Deformable Mirror for Astronomical Telescope	Sayan Pakira (CHE/17/11)	Dr. T. D. Das Dept. of BAS
3	Smart Vest	Sourav Sarkar ECE/17/17	Dr. T. D. Das Dept. of BAS

2. Start-up Cell of NITAP offered online summer training with fellowship for 18 external candidates and 02 internal candidates.

Student Activities

Virtual Fresher's Meet:

Scholars of Dept. of M&H organized Virtual Fresher's Meet for freshers who joined during Jul-Dec 2020 session, 30 Aug, 2020.



Photo: Virtual Fresher's Meet at M&H

Electrical Engineering Student Society (EESS):

Electrical Engineering Student Society (EESS) was inaugurated 27 Jul, 2020 by Dept. of EE and conducted one hour lecture session on “UPSC Preparation Tips and Tricks”, 20 Aug, 2020. The Resource Person: Mr. Ranphoa Ngowa (IFS 2014, AIR 82), Addl. Secretary (Education) and Director (DoTCL), Government of Arunachal Pradesh.

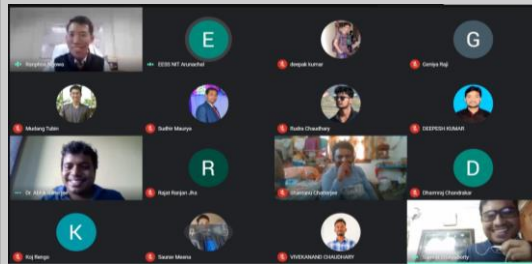


Photo: Session on UPSC Preparation Tips and Tricks

GATE 2021:

Third and Fourth Year Students of NITAP has started attending the GATE training programme for GATE 2021 under 23 subjects. The special training is being conducted by faculty members of NITAP. The course list given below:

Formal Language and Automata
Biochemistry and Plant Biotechnology (BT)
Microbiology: Bioprocess Engineering and Process Biotechnology (BT)
Immunology: Cell Biology: Analytical Techniques (BT)
Soil Mechanics
Linguistics (MH)
Power System Engineering 1 (Electrical)
Power Electronics (Electrical Engineering)
Computer Organization and Architecture (CSE)
Fluid Mechanics and Thermal Sciences (ME)
Materials Manufacturing Industrial Engineering (ME)
Database Management Systems (CSE)
Data Structures (CSE)
Programming in C (CSE)
Electromagnetic Field Theory (Electrical)
Signals and Systems / DSP (Electrical)
Control Systems
Control Systems (Electrical)
Power System Engineering 2 (Electrical)
Electrical and Electronics Measurements (Electrical)
Digital Circuit (ECE)
Circuit Theory and Network (Electrical)
Engineering Mathematics (BAS)

Student Publication/Participation:

1. Hiranmoy Kotal, Dept. of BT participated international webinar on “Nano Biotechnology enabled biomedical sensor devices for point – of- care disease diagnosis and the effectiveness of protected areas in Biodiversity conservation in Tunissia”, 31 Jul, 2020.
2. Asita Kumar Rath, Dayal R. Parhi, Harish Chandra Das, Priyadarshi Biplab Kumar, Manjeet Kumar Mahto, “Design of a hybrid controller using genetic algorithm and neural network for path planning of a humanoid robot”, International Journal of Intelligent Unmanned Systems, doi/10.1108/IJIUS-10-2019-0059/full/html, 2020.

Summer Internship:

1. Prof. Pinakeswar Mahanta, Director, NITAP guided 3 Summer Interns during Summer Internship Programme, Jul-Aug, 2020.
2. Nagarajan P., Government College of Technology, Coimbatore completed summer internship project on “Study and analysis of Tribological experimental setup and experimental design analysis” under the guidance of Dr.Shubhajit Das, Assistant Professor, Dept. of ME, Jul-Aug, 2020.
3. Rupam Ghosh, GIMT Guwahati completed did summer internship project on “Study of a Manufacturing Problem by a statistical approach using MINITAB” under the guidance of Dr. Shubhajit Das, Assistant Professor, Dept. of ME, Jul-Aug, 2020.
4. Usha Gupta, NITAP completed summer internship project on “A review on feasibility study of biodegradable material for personal protective care equipment’s (PPE)” under the guidance of Dr. Shubhajit Das, Assistant Professor, Department of Mechanical Engineering, NITAP during July-August 2020. Dept. of ME, Jul-Aug, 2020.
5. Manjeet Kumar Mahto, NITAP completed summer internship project on “Design of a Dispensing unit for Hand sanitization using CAM and Follower Mechanism” under the guidance of Dr. Shubhajit Das, Assistant Professor, Dept. of ME, Jul-Aug, 2020.

Condolence Message:



Late Okiling Darin

We are in deep sorrow to learn about sudden, untimely and eventual departure of sincere hardworking student of our institute. Late Okiling Darin was hospitalised at Pasighat hospital where he took his last breath. We extend our heartfelt condolences to the bereaved family on behalf of faculty, staff and students of NIT Arunachal Pradesh.

May the deceased soul be at eternal peace with our Heavenly Almighty!

- NIT Arunachal Pradesh

EBSB Cell:

Ten Episodes of Webinar on Arunachal Pradesh and her Rich Culture and Custom

Ek Bharat Shrestha Bharat (EBSB) Club, NITAP conducted ten episodes of webinar on Arunachal Pradesh and her rich indigenous culture and custom from 05.45 to 06.15 pm on 06th August 2020 organized by Dr. K. Vijayakumar, Coordinator, Ms. Kashish Singh, Vice-President, Mr. Kime Chada, General Secretary and Ms. Kenbi Riba, Secretary, EBSB Cell for their partner institutes MNNIT Allahabad and NIT, Meghalaya. The topics and speakers:

EK BHARAT SHRESHTHA BHARAT (EBSB) CLUB
National Institute of Technology
Arunachal Pradesh
Title: **Adventures Trip to Arunachal Pradesh**
EPISODE - 05
Date: 10.08.2020
Time: 5:45 PM

Speaker
Kajal Kumari
II - year B.Tech
M.E
NIT-AP

EK BHARAT SHRESHTHA BHARAT (EBSB) CLUB
National Institute of Technology
Arunachal Pradesh
Title: **Festivals of Arunachal Pradesh**
EPISODE - 06
Date: 11.08.2020
Time: 5:45 PM

Speaker
Kime Chada
II - Year B.Tech
M.E
NIT-AP

EK BHARAT SHRESHTHA BHARAT (EBSB) CLUB
National Institute of Technology
Arunachal Pradesh
Title: **Life Style of Arunachal Pradesh**
EPISODE - 07
Date: 12.08.2020
Time: 5:45 PM

Speaker
Kashish Singh
II - Year B.Tech
E.E
NIT-AP

EK BHARAT SHRESHTHA BHARAT (EBSB) CLUB
National Institute of Technology
Arunachal Pradesh
Title: **Languages of Arunachal Pradesh**
EPISODE - 08
Date: 13.08.2020
Time: 5:45 PM

Speaker
Mudang Tubin
II - Year B.Tech
C.E
NIT-AP

EK BHARAT SHRESHTHA BHARAT (EBSB) CLUB
National Institute of Technology
Arunachal Pradesh
Title: **Cultural and Traditional Values of Galo**
EPISODE - 09
Date: 14.08.2020
Time: 5:45 PM

Speaker
Mr. Gomar Bam
Staff
NIT-AP

EK BHARAT SHRESHTHA BHARAT (EBSB) CLUB
National Institute of Technology
Arunachal Pradesh
Title: **Indigenous Industries of Arunachal Pradesh**
EPISODE - 10
Date: 15.08.2020
Time: 5:45 PM

Speaker
Mikgan Mossang
II - Year B.Tech
M.E
NIT-AP

74th Independence Day Celebration:

74th Independence Day was celebrated online with the Independence Day speech by Prof. Pinakeswar Mahanta, Director, NITAP. The tricolour flag was hoisted by Dr. Rajen Pudur, Dean Academic and Dr. Uday Kumar Khanikar, Registrar at Yupia campus.



Photo: 74th Independence Day Celebration
Plantation Drive at Jote Campus:

Plantation Drive at Jote, NITAP Permanent Campus on the Occasion of 74th Independence Day Celebration, 15Aug, 2020.



Photo: Plantation Drive at Jote Campus
NCC Cell:

1.Special Lecture and painting competition was organized by Dr. Achyuth Sarkar, NCC Coordinator on the mark of Kargil Vijay Diwas, 26 Jul, 2020.



Photo: Painting Competition
2.NCC Cadets observed Fit India Movement for Physical and Mental fitness of the youth, 15 Aug, 2020.



Photo: Fit India Movement

3. NCC Cadets took Aatma Nirbar Bharat pledge to ensure every aspect of economy from demand, supply to manufacturing and make India self-reliant to sustain and negate the effects of any such pandemic on Nation's economy in the future. It is important that the youth of the Nation, contribute towards Nation Building by creating awareness about the campaign, 23 Aug, 2020.



Photo: Pledge Taking

4.NCC Cadets celebrated National Sports day through Yoga and self-meditation at Home, 29 Aug, 2020.



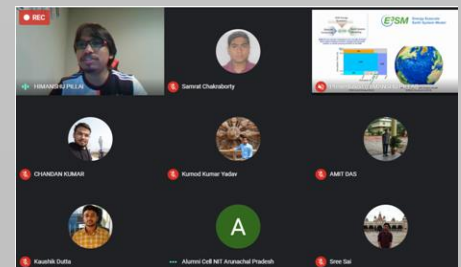
Photo: National Sports Day

SC/SC/OBC Cell:

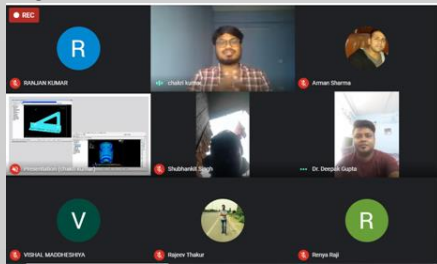
SC/ST/OBC Cell organized online webinar on 'Implementation of Reservation Policy in Service for SC/ST/OBC and PWD in Government Institutes' by Dr. Koj Sambyo, Liaison officer and Dr. M. M. Singh, Assistant Professor, 31 Aug, - 04 Sep, 2020 (reschedule date: 08-11 Sep, 2020).

Alumni Association:

Alumni Association, NITAP organized Special Interactive Talk on 1. "HPC Runtime System" by Mr. Himanshu Pillai, Batch: 2010-14 (CSE), Senior Software Engineer at National Centre for Atmospheric Research, Boulder CO, 12 July, 2020.



2. "My takeaways from 2 years at L&T." by Mr. Chakradhar Akuthota, Batch: 2014-18 (ME), senior engineer in Analysis Module at Product Development Centre, Larsen and Toubro Industry and Machinery Products IC, 08 Aug, 2020.



3. "EVs and the future of electric grid-present and future" by Mr. Bikash Sah, Batch: 2010-2014 (EEE), currently working toward a Ph.D. degree with the Department of Electronics and Electrical Engineering, Indian Institute of Technology Guwahati, India, 14 Aug, 2020.



4. "My Journey" by Ms Yashni Nagarajan, Batch: 2010-14 (EEE), working in RBI as a manager, 18 Aug, 2020.



Online farewell-2020 cum Alumni Meet:

A farewell program was organized on 7th Jul, 2020 at 11 AM on online mode due to the COVID -19 pandemic. The program comprised of farewell speeches or messages from Dignitaries of NIT Arunachal Pradesh like Director, Dean of Academics, T&P in-charge, few senior faculty members and students and our alumni.

For recorded session kindly find the following link:

https://drive.google.com/file/d/1dF0k_4ohs_mot3t3EQ5TLEDlnebBb1ob/view

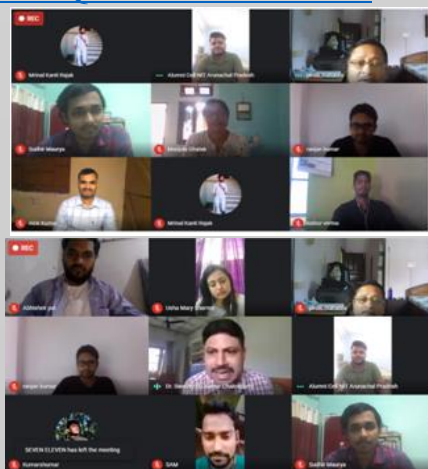


Photo: Online farewell-2020 cum Alumni Meet

Student's Voice

The ten episodes of webinar on Arunachal Pradesh organised by EBSB Club, NIT Arunachal Pradesh during these severe circumstances is the perfect example of turning disaster into an opportunity. It was an amazing experience to know so much about the culture, the lifestyle, food, tourism etc of Arunachal Pradesh. We are indeed very thankful to the organisers for inviting us. Hoping for more activities in the future.



Sushant Yadav
Department of Civil Engineering
MNNIT, Allahabad

I'm Prithul Datta from National Institute of Technology Meghalaya, Department of ME (B.Tech, 4th year). As a partner institute of EBSB, I attended 10 days webinar of National Institute of Technology Arunachal Pradesh about "Arunachal Pradesh and her Rich Indigenous Culture and Custom" from 06 – 15 Aug, 2020. As international student here in india, it's a great chance for me to learn about others state & there culture.

This time I learnt many thing about history of Arunachal Pradesh and their culture, biodiversity, festival, life style etc. Arunachal Pradesh is well known for its ancient culture. Known as the 'The Land of Dawnlit Mountains', I want to go there once I know about it.

All the speakers of this webinar has presented Arunachal Pradesh very nicely. It seemed to float in front of my eyes.

I want to thank everyone those who presented so nicely and specially Vijay sir who arranged this wonderful webinar.



Prithul Datta
B.Tech, 4th year
Department of Mechanical Engineering
National Institute of Technology Meghalaya

Alumni's Voice

I did my M.Tech from NITAP (Batch 2018-20). It's been a wonderful experience. Sweet memories and pleasures of NITAP are simply amazing. The professors are highly qualified and they encouraged me to do higher studies. During the M.Tech Program, I attended and presented my first research paper at International Mechanical Engineering Congress (IMEC-2019) in NIT Tiruchirappalli. The knowledge and experience gained in NITAP helped me a lot during my interview for Ph.D in IIT Madras and IIT Bombay. Now, I am a Doctoral Scholar at the Department of Mechanical Engineering, IIT Bombay. My research papers were also presented and published as conference proceedings at several prestigious academic conferences such as International Conference on Thermofluids-2020 and International Conference on Recent Advances in Mechanical Engineering Research and Development (ICRAMERD-2020) where I got "Best Paper Award". I have also published my research paper in the Journal of Thermal Analysis and

Calorimetry, which is a high quality International Journal. I am looking forward to interacting with my juniors and colleagues to share my ideas and experiences with them. I like NITAP for its freedom, intellectual awakening, and its various academic and extracurricular activities. I think that even after completing my M.Tech, I shall never forget the happy days that I spent in college with my friends.



Thanks and Regards
Alok Kumar
Research Scholar
Department of Mechanical Engineering
IIT Bombay

I am Jaykishan Singh, an Alumni of 2015-17 batch (M.Tech, EDM) of NITAP. I have been working as a Telecom Engineer since 2018 in BSNL Circle Office, Shillong. First I share my professional experience that might be useful for those who are interested in the Telecom Sector. I am working in the CFA (Consumer Fixed Asset) section.

Despite being an Engineer, I am the author of two books which are collections of Hindi poems. Hindi language and Hindi poems both are very close to my heart. I like to write poems with *veer ras*, *hasyaras*, *shringaarras* and sometimes depicts the natural existence of this universe as well as humanity.

My motive is to initiate this Creative/Dramatic literature work, (that is fictional and Non-fictional) and to make people realize the technological relationship of human beings with nature, integrity, love and affection, and compassion. My books, more than 500 copies have been sold on Amazon digital platform. The hard copies of both books are yet to be published.

It is very easy to access the books by googling my name.

Link to books:
<http://amazon.com/author/jaykishansingh>

<http://www.amazon.in/dp/B07QNZ2VF>

<http://www.amazon.in/dp/B07SV2X2G>



Jaykishan Singh
Telecom Engineer
BSNL Circle Office, Shillong

57th Rank in Civil Service Exam



BATCH: 2010-14 (EEE)

Ms. Yashni Nagarajan is a pass out of our 2010-2014 EEE batch and was among the first batch of students to pass out from NITAP. As an excellent all-round student, she excelled at academics at NITAP and she had also secured an overall state rank of 13th in the whole state in AISSCE 2010 board exams for which she was awarded the Sangey Lhaden Award by the Government of Arunachal Pradesh. She is presently working in RBI as a manager and her work focuses on currency management and banking supervision. She is our first alumni to clear the prestigious UPSE Civil Service Examination (2019) with the final rank of 57th.

1st Online National Hackathon on Technological Innovation for Toys

Start-up Cell: Prakousol
National Institute of Technology, Arunachal Pradesh
Yupia, Papum Pare, Arunachal Pradesh 791112
An Institute of National Importance,
Established by Ministry of Education (Shiksha Mantralaya)
email: prakousol@nitap.ac.in www.nitap.ac.in

1ST ONLINE NATIONAL HACKATHON ON TECHNOLOGICAL INNOVATION FOR TOYS

Tech TOY 2020
Date of the Event: 15th-16th Sept 2020
Video Submission Last Date: 14th Sept 2020

Organized by Start-up Cell: Prakousol
National Institute of Technology, Arunachal Pradesh

Event Categories are

Category I: Play Toys (Only for School Students)
You have to send us a video of 10-15 Minutes/ write-up with the help of your parents/guardian/school teacher (as a mentor), where the making of real prototype Toy will be demonstrated. (The mentor is allowed to only describe the process along with the contestant)

Category II: Smart Toys (Open for All Engineering/Technical Students like IT/Diploma/B.Tech/M.Tech/Ph.D [Engineering])
You have to send us a video of 15Minutes where the complete design process, working principle, algorithm need to be shown and explain properly. Technical notes about the design with required circuit diagram, block diagram is mandatory for this category. The real prototype of the product will be demonstrated. Maximum 4 students will be allowed to participate in a group.

Category III: Home Toys (Open for All)
You have to send us a video of 10-15 Minutes where the making of the real prototype of Toy will be demonstrated.

Instructions and Notes

- Language for description in the video either Hindi or English.
- Represent all details about the toy making process. While capturing videos please capture in wide angle (i.e. keep mobile phone in vertical position).
- Don't rotate mobile phone during the recording (Keep your phone in a fixed position as per the Figure)
- Mandatory: The contestant must be visible in the video during the prototype making and demonstration process**
- Please send us the video via email to the process@nitap.ac.in or WhatsApp to the coordinator +91-9436227805
- Different video will be accepted in different category Only one video will be consider from each contestant in only one category.
- Only Indian Nationalities are eligible to participate the Tech TOY 2020.
- Scan Copy of Instruction ID Card/ any relevant document (for category I and II) any Identify card (for Category III) must be upload during the registration process.
- All selected video will be visible publicly.
- Video editing should be done by the individual end (if required). For any supports required please contact with the coordinator +91-9436227805 (9AM-5PM).
- The design may be simple and innovative, low cost and ideal for baby or children.
- Please mention the approximate material cost and production time for the proposed toy.
- Institution will not bear any cost for the design and demonstration.
- Decision of the organizing committee is final.
- Only selected contestants are may be asked for online demonstration and question answer session with our expert panel on 15th-16th Sept. 2020.
- Winner 1st, 2nd Runner up and 3rd Runner up will have to submit the product (post / courier) to the Startup Cell, NIT Arunachal Pradesh.

Registration
For more details and update please visit Startup & Consultancy section of our official website www.nitap.ac.in
Registration Charge- FREE Registration link for participant/contestant/viewers [Click Here](#)

Prizes and Awards

Category	Winner*	1st Runner Up*	2nd Runner Up*	Consolation*
I	Rs. 5000.00	Rs. 4000.00	Rs. 3000.00	(20 only)
II	Rs. 25000.00	Rs. 20000.00	Rs. 15000.00	(10 only)
III	Rs. 7000.00	Rs. 6000.00	Rs. 5000.00	(10 only)

* Worth (not cash prizes) and the amounts are approximate value of the prizes (subject to market prices and delivery charges)

Organizing Committee
Patron: Prof. Pinakswar Mahanta (Director, NIT Arunachal Pradesh)
Coordinator: Dr. Sahadev Roy (Asst. Prof. ECE)
Faculty-in-charge Startup cell: IC Ambassador
Convener: Dr. Tulzer Ghosal Das (Asst. Prof. BAE)
IC Sponsor: Dr. Prasee Kumar Mohanty (Asst. Prof. ME)
Members: Dr. Sakshi Jena (Asst. Prof. Biotech), Dr. Suswandy Kr. Chakraborty (Asst. Prof. CSE), Dr. Nil Kampani (Asst. Prof. CSE)

Coordinator
Dr. Sahadev Roy
IC Innovation Ambassador
Faculty-in-Charge, Startup Cell
Asst. Prof., Dept. of ECE
NIT Arunachal Pradesh
Mob/WhatsApp: +91-9436227805 (9AM-5PM)
prakousol@nitap.ac.in

Sponsored by
TEQIP – III

Important Dates
Last date of video submission and registration: 14th Sept. 2020
Date of the Event: 15th-16th Sept 2020
Venue: TEL Center, NIT Arunachal Pradesh
Online Program

FDP on Photography

FDP on Photography will be organised by Dr. Rajen Pudur, Dept. of EE, NITAP, sponsored by AICTE Training and Learning (ATAL) Academy Govt. of India from 12-16 Oct, 2020. More details, visit www.nitap.ac.in

AICTE Training and Learning Academy
Sponsored One Week Online FDP on
Photography
12th to 16th October 2020