

TECHNODAYA

Newsletter of NIT Arunachal Pradesh (Bi-monthly)

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I thank my team members Dr. Shubhajit Das and Mr. Gautam Singh, B.Tech for their supports and suggestions. Special thanks to my colleagues of all the departments 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 news to technodaya@nitap.ac.in.

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

DIRECTOR'S MESSAGE



Greetings!

It's a pleasure to share the current issue of Technodaya, NITAP Newsletter with you.

I am very happy and very proud of NITAP faculty members and student for their constant and steady support to the institute during the pandemic situation. With all of your support, we have successfully completed online classes and end-semester examination. Now we are ready to conduct next semester classes online. Keep supporting! Our biggest ACHIEVEMENT during this period is 200th NIRF Ranking Position. I extend my heartiest congratulations to each and every one involved directly and indirectly in this achievement. This is the beginning of our journey to compete with rest of the institutions in India. Let us work collectively with a target to secure a position within 50th Rank next year.

During the last five months (Feb, 2020 - Jun, 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. To support the fight against COVID-19, Gel based hand sanitizer was developed by Dr. Saikat Kumar Jana and his research team and Low Cost Automatic Hand Sanitizer Dispenser was developed by Mr. Mrinal Kanti Rajak, a second year M. Tech student under the guidance of Dr. Abhik Banerjee. I wish them good luck.

In academics, online classes, webinars, summer courses and NPTEL courses for students as well as faculty members were encouraged. Other academic activities like Jigme Namgyel Engineering College, Bhutan Visit at NITAP, Invited Lectures, workshops on Moodle were held during this period. Under research & development, 5 patents and more than 30 research papers were published in reputed journals and conferences. EBSB Club, Swachh Bharat Abhiyan Cell and NCC Unit organized many events as outreach activities. Coding Pundits Club was inaugurated to enhance coding skills among students.

With this note, I wish you all "Stay home, Stay safe". Though we are physically away but achieving institute's vision and mission, we are together. Let's unite and achieve our goals together.

Prof. Pinakeswar Mahanta
Director,
NIT Arunachal Pradesh.



NATIONAL INSTITUTE OF TECHNOLOGY

Arunachal Pradesh, Yupia, District-Papumpare
Arunachal Pradesh - 791112

Academic Activities



200th NIRF Ranking Position

NIRF Ranking

National Institute of Technology, Arunachal Pradesh crowned 200th rank among all Indian engineering and technology colleges in National Institutional Ranking Framework released by Shri Ramesh Pokhriyal, Minister of MHRD, Government of India on 11, June 2020.

Online Learning Platform

NITAP initiated Coursera E-learning Program for NITAP students under the coordination of Dr. Subhasish Banerjee, Assistant Professor, Dept. of CSE. 540 students were enrolled in the platform.

Future Skills Technologies Development

NITAP initiated Online Teaching in Data Science and Analytics under the coordination of Dr. A. Vanav Kumar, Assistant Professor, Dept. of BAS from June 2020 as a part of Future Skills Technologies Development for students under TEQIP -III, MHRD, NIT, Arunachal Pradesh.

6th Convocation of NIT Arunachal Pradesh

The 6th Convocation of NITAP was held on 8th February, 2020 at 11 AM in Technology Enhanced Learning (TEL) Centre at NIT Arunachal Pradesh Campus, Yupia, District-PapumPare, Arunachal Pradesh-791112. Shri Kiren Rijju, Honourable Union Minister of State for Sports and Youth affairs (Independent Charge) and Minister of State Minority Affairs, Government of India, was the Chief Guest and delivered the Convocation Address. Prof. Bibhuti Bhusan Biswal, Director, National Institute of Technology, Meghalaya attended the Convocation as a Guest of Honour and delivered a speech. Prof. Pinakeswar Mahanta, Director, NITAP presented a report on the activities and achievements of NITAP. Special Invitees: Dr. Andu Dukpa, President of JNEC, Mr. Kala Tshering, Sr. Academic, Dept. of Mechanical Engineering and Mr. Phuba, Asst. Examination and Record Officer, Jigme Namgyel Engineering College, Royal University of Bhutan, Bhutan.



6th Convocation Ceremony at NITAP

Department of Electrical Engineering conducted the Board of Studies meeting on online circulation basis during this COVID 19 pandemic. The following external experts from different NITs and IITs along with the expert from the Mentor Institution, GCT, Coimbatore were present in this meeting during 18/06/2020 to 22/06/2020.

Board of Studies Meeting

Department of Electrical Engineering conducted the Board of Studies meeting on online circulation basis during this COVID 19 pandemic. The following external experts from different NITs and IITs along with the expert from the Mentor Institution, GCT, Coimbatore were present in this meeting during 18/06/2020 to 22/06/2020.

- i) Prof. Debapriya Das, Professor, IIT Kharagpur
- ii) Dr. Vivekananda Mukherjee, Associate prof. IIT (ISM) Dhanbad
- iii) Prof. S.P. Ghoshal, Ex Prof. NIT, Durgapur
- iv) Mr. Jagannath Datta, Senior Manager, CESC Kolkata, Industry Person
- v) Dr. N. Narmadhai, Associate Professor, EEE GCT, Coimbatore.

Jigme Namgyel Engineering College, Bhutan Visit at NITAP

Dr. Andu Dukpa, President of JNEC, Mr. Kala Tshering, Sr. Academic, Dept. of Mechanical Engineering and Mr. Phuba, Asst. Examination and Record Officer, Jigme Namgyel Engineering College, Royal University of Bhutan, Bhutan visited NITAP and interacted with all Deans/HoDs for academic and research collaboration.



Interactive Session with Delegates with Jigme Namgyel Engineering College

BoG/FC/BWC Meetings:

| Sl No. | Meetings | Date |
|--------|----------------------|---------------------------------|
| 1. | 27 th BoG | 25 th February, 2020 |
| 2. | 21 st FC | 25 th February, 2020 |
| 3. | 22 nd BWC | 12 th June, 2020 |

Invited/ Expert Lectures

1. Dr M. Berlin, Assistant Professor, Dept. of CE delivered expert talk on 'Application of Mathematical Modelling on Contaminant Transport in Groundwater' in virtual Faculty Development Program (FDP) on "Research Trends in Civil Engineering" organized by Department of Civil Engineering, St. Xavier's Catholic College of Engineering, Kanyakumari, Tamilnadu, 03-08, Jun, 2020.
2. Dr M. Berlin, Assistant Professor, Dept. of CE delivered expert talk on 'Experimental and Numerical Modeling of Nitrate Transport in Subsurface Soil' in Faculty Development Program (FDP) on "Experimental and Modelling Aspects in Environmental Engineering" organized by Department of Civil Engineering, Kalasalingam University, Srivilliputtur, Tamilnadu, 08-13, Jun, 2020.
3. Dr. Pallabi Kalita Hui, Assistant Professor, Dept. of BT delivered an invited talk on "Pharmacological, antioxidant & anticancer studies of some selected medicinal plants of Arunachal Himalayan region" in "8th International Translational Cancer Research Conference" organized by Department of Biochemistry, Institute of Science, Banaras Hindu University (BHU), Varanasi, India & Society for Translational Cancer Research (STCR), 13-16 Feb., 2020.
4. Dr. Subhasish Banerjee, Assistant Professor, Dept. of CSE delivered an invited talk on "Cyber Security and its Application" organized by Dept. of CSE and ECE, Dr. Sudhir Chandra Sur Degree Engineering College, Kolkata, India, 14 May, 2020.
5. Prof. Mihir Kumar Shome, Dept. of M&H delivered an invited talk on "Application of SPSS for Data Analysis" organized by Eudoxia Research Centre, 19, Jun, 2020.
6. Prof. Mihir Kumar Shome, Dept. of M&H delivered an invited talk on "Manuscript Drafting and Application of Software for Grammar and Plagiarism checking" organized by Eudoxia Research Centre, 16-17, Jun, 2020.
7. Prof. Mihir Kumar Shome, Dept. of M&H delivered an invited talk on "Manuscript Drafting and Application of Software for Grammar and Plagiarism checking" organized by Eudoxia Research Centre, 16-17, Jun, 2020.

Research & Development COVID- related Inventions



Gel based Sanitizer being distributed.

Student of REEM (Renewable Energy and Energy Management), Dept. of EE, NITAP has developed a low-cost automatic hand sanitizer dispenser during the outbreak of COVID 19 under the guidance of Dr. Abhik Banerjee, HoD, Dept. of EE. This dispenser machine is based on simplified function of Infrared Sensor (IR Sensor) which detects the presence of hand at the outlet of dispenser to actuate the motor for flow of sanitizing fluid. Overall cost incurred for realization of this project was only Rs. 600.00 (Rupees Six Hundred Only).

1. Gel based hand sanitizer:

Dr. Saikat Kumar Jana, Assistant Professor, Dept. of BT developed Gel based hand sanitizer with his research team Mr. Thanga Pandi and Ms. Kokilavani. R, Dept. of BT, NITAP from Tea plant extract oil as part of COVID related inventions. Hand sanitizer preparation was one of the objectives under ongoing project from MOEF (Ministry of Environment and forest), Gol, India.

1. Low Cost Automatic Hand Sanitizer Dispenser

Mrinal Kanti Rajak, a second year M. Tech Student of REEM (Renewable Energy and Energy Management), Dept. of EE, NITAP has developed a low-cost automatic hand sanitizer dispenser during the outbreak of COVID 19 under the guidance of Dr. Abhik Banerjee, HoD, Dept. of EE. This dispenser machine is based on simplified function of Infrared Sensor (IR Sensor) which detects the presence of hand at the outlet of dispenser to actuate the motor for flow of sanitizing fluid. Overall cost incurred for realization of this project was only Rs. 600.00 (Rupees Six Hundred Only).

Workshop / FDP / Seminar / Conference / Webinar

1. Workshop on 'Blockchain Technology' (Sponsored by AICTE-ATAL) was organized by Dr. Rajat Subhra Goswami, Assistant Professor, Dept. of CSE at NITAP. 17-21 Feb, 2020.
2. Workshop on General Rules and Regulations related to GFR, procurement procedures, Accounts and Audit (Sponsored by TEQIP-III) Organized by TEQIP III, NITAP. 16-20 Mar, 2020.
3. Workshop on 'CYBER SECURITY 2020' (Sponsored by AICTE-ATAL) was organized by Dr. Swarnendu Kumar Chakraborty, Assistant Professor, Dept. of CSE at NITAP. 03-07 Feb, 2020.
4. 1st International Conference on Electronic System & Intelligent Computing (ESIC 2020) was organized by Dr. Preetisudha Meher & Dr. Alak Majumder, Dept. of ECE, NITAP. 02-03 Mar, 2020.



Patent:

1. Thangapandi Kalyani, and Saikat Kumar Jana "Electro chemical Sensor Based System Adapted for Immuno Response" TEMP/E/15913/2020-KOL Patent Applied.
2. Inventors: Achyuth Sarkar et.al, "Novel method for Prevention of Security Attack on Cloud Medical Data Using Artificial Intelligence and IOT". Date of Publication- 09.02.2020.

Low Cost Automatic Hand Sanitizer Dispenser

3. Inventors: Achyuth Sarkar et.al, "Method for Monitoring Person for Detection of Possibility of Corona Infection". Date of Publication- 18.04.2020.
4. Inventors: Achyuth Sarkar et.al, "Method for Diagnose Medical Problem through Medical Image Processing Using Big Data and Machine Learning". Date of Publication- 08.05.2020.
5. Inventors: Achyuth Sarkar et.al, "IoT Based Smart Food Transport System with Climate Control Container". Date of Publication- 26.06.2020.

Projects/Consultancy Works:

1. Dr. A. Sarkar, Assistant Professor, Dept. of CSE, Next generation sequencing approach for transcriptome profiling and phytochemical characterization of rare citrus germplasm of Arunachal Pradesh-NER (Submitted/Communicated, DBT Govt. of India, March 2020).
2. Dr. Mainak Mallik, Associate Professor, Dept. of CE appointed as Third Party Quality Assurance Agency (TPQAA) for Construction of Film and Television Institute at Jollang-Rakap village, PapumPare, Arunachal Pradesh, by CPWD.
3. Dr. Mainak Mallik, Associate Professor, Dept. of CE awarded the project "Effective use and utilization of local/indigenous materials with emphasis on sustainability for the design of Canteen Building IN Film and Training Institute-Arunachal Pradesh", by CPWD.

- Dr. Mainak Mallik, Associate Professor, Dept. of CE awarded the project "Design of Seating Plaza around the lake in Film and Training Institute- Arunachal Pradesh-A sustainable approach with the utilization/indigenous material", by CPWD.
- Dr. Alak Majumder, Assistant Professor, Dept. of ECE, Title: Integration of Variable Frequency Clock and Gated Clock Tree to Mitigate Power Supply Noise in Multi-core CPU. Funding Agency: Core Research Grant, SERB, Govt. of India.

Paper Publication/Presentation

- Taipodia, J., Madhulatha, B., Dey, A., Acharyya, R. and Sarma, C. P. (2020) "1-D and 2-D active MASW survey for subsurface profiling of JiaBharali river bed, Assam, India, for a proposed 1.2 km road bridge" Practice Periodical in Structural Design and Construction (ASCE), Vol. 25, Iss. 3, pp. 05020008-1-15 (DOI: 10.1061/(ASCE)SC.1943-5576.0000495).
- P. Changmai, S. K. Nayak, S. K. Metya, "Estimation of PV module parameters from the manufacturer's datasheet for MPP estimation", IET Renewable Power Generation, 2020.
- Thangapandi K, Anuradha R, Awoyera P O, Gobinath R, Archana N, Berlin M, Oladimeji O B. (2020) "Durability Phenomenon in Manufactured Sand Concrete: Effects of Zinc Oxide and Alcolfine on Behaviour". Silicon, <https://doi.org/10.1007/s12633-020-00494-2>. [Impact factor: 1.21]
- Shraddha Lohar, Prases K. Mohanty, presented a research paper titled "Vibration Analysis of an Inclined Cracked Simply Supported Structure Using Numerical and Experimental Methods" in First International Conference on Advanced Light-weight Materials and Structures at CMR Technical Campus Hyderabad. 06-07 Mar, 2020.
- Sangeeta Das, Abhishek Madheshiya, Shubhajit Das, Satyam Shivam Gautam, Chandkiram Gautam, "Mechanical, surface morphological and multi-objective optimization of tribological properties of V2O5 doped lead calcium titanate borosilicate glass ceramics", Ceramics International, Volume 46, Issue 11, Part B, 19170-19180. <https://doi.org/10.1016/j.ceramint.2020.04.252> [IF: 3.45].
- Sangeeta Das, Shubhajit Das, S. S. Gautam, C. R. Gautam, "Optimization of wear coefficient and coefficient of friction of borosilicate glass ceramics using Taguchi coupled grey fuzzy logic technique", Materials Today: Proceedings, April 2020. <https://doi.org/10.1016/j.matpr.2020.03.262>.
- Hazarika, S. I.; Mahata, G.; Pahari P.; Pramanik N.; Atta A. K. "A Simple triazole-linked bispyrenyl-based xylofuranose derivative for selective and sensitive fluorometric detection of Cu²⁺", Inorganica Chimica Acta 2020, 507, 119582.
- Samiul Islam Hazarika, Mini Loya, Ananta Kumar Atta presented a research paper titled "A monofluorinated sugar-based sensor for selective fluorometric detection of Au³⁺ ions in aqueous medium" at International conference on Chemical, Bio & Environmental Engineering, NIT Jalandhar, 13-14 Feb, 2020.
- Mandal, S. K., Arnab Deb, and Dipak Sen. "A computational study on mixed convection with surface radiation in a channel in presence of discrete heat sources and vortex generator based on RSM." Journal of Thermal Analysis and Calorimetry (2020): 1-13.
- Sangeeta Das, Shubhajit Das, S. S. Gautam, C. R. Gautam, "Optimization of wear coefficient and coefficient of friction of borosilicate glass ceramics using Taguchi coupled grey fuzzy logic technique", Materials Today: Proceedings, Volume 27, page 1579-1589, April 2020. <https://doi.org/10.1016/j.matpr.2020.03.262>.
- Pentyala Srinivasa Rao, Om Prakash, S. R. Mishra, and Ram Prakash Sharma, "Similarity solution of three dimensional MHD radiative Cassonnanofluid motion over a stretching surface with chemical and diffusion-thermo effect", Heat Transfer. 49(4) (2020) 1842-1862, First Published: 28 February 2020. <https://doi.org/10.1002/hjt.21696>
- Pentyala Srinivasa Rao, Om Prakash, and Ram Prakash Sharma, "Heat Transfer in combined Convective magnetohydrodynamic motion of Nanofluid holding Different Shapes of Nanoparticles in a Channel under the influence of heat source", Indian Journal of pure and applied physics, Vol. 58, February 2020, pp. 87-98.
- Shankar Rao Munjam and Ram Prakash Sharma, "The novel techniques used on convective motion in a permeable media due to a vertical surface under the effect of thermal radiation", International Journal of Ambient Energy. <https://doi.org/10.1080/01430750.2020.1749125>.
- Dr. Ram Prakash Sharma participated and presented a paper entitled "Performance of Convective Boundary Condition and Thermal Radiation on MHD Micropolar Fluid Flow: A Theoretical Study in National Conference on Industrial Applications of Mathematics and its Developments (NCIA MD-2020), Organized by Department of PG Studies and Research in Mathematics, Kuvempu University, Jnanasahyadri Shankaraghatta-577 451, Shivamogga, 13-14 Mar, 2020.
- Barenya B. Hazarika, Deepak Gupta, and M. Berlin. "Modeling suspended sediment load in a river using extreme learning machine and twin support vector regression with wavelet conjunction". Environ Earth Sci 79, 234 (2020). <https://doi.org/10.1007/s12665-020-08949-w> (TR SCI, Impact Factor: 1.871).
- Dr. Subhasish Banerjee, "Machine Learning Mechanisms for Network Anomaly Detection System: A Review", 9th International Conference on Communication and Signal Processing (ICCSP) Adhiparasakthi Engineering College, IEEE, India, Jun, 2020.
- Dr. Subhasish Banerjee, "Feature Reduction and Classifications Techniques for Intrusion Detection System", 9th International Conference on Communication and Signal Processing (ICCSP) Adhiparasakthi Engineering College, IEEE, India, Jun, 2020.
- Guchhait P K and Banerjee Abhik, "Stability enhancement of wind energy integrated hybrid system with the help of static synchronous compensator and symbiosis organisms search algorithm", Protection and Control of Modern Power Systems, Springer.
- Nanda, A., Banerjee, P., Dutta, M., Wangdi, T., Sharma, P., Chaudhury, K., & Jana, S. K. (2020). Cytokines, Angiogenesis, and Extracellular Matrix Degradation are Augmented by Oxidative Stress in Endometriosis. Annals of laboratory medicine, 40(5), 390.
- Dutta, Reshmi, K. Thangapandi, Sumantra Mondal, Amalesh Nanda, Shreyosi Bose, Shairee Sanyal, Saikat Kumar Jana, and Suvankar Ghorai. "Polyaniline Based Electrochemical Sensor for the Detection of Dengue Virus Infection." Avicenna Journal of Medical Biotechnology 12, no. 2 (2020): 77.
- Sangili, Arumugam, Muthaiah Annalakshmi, Shen-Ming Chen, Sridharan Balu, Thangapandi Kalyani, and Saikat Kumar Jana. "Synthesis of Flower-Like Iron Oxide Capped Tripolyphosphate for Electrochemical Detection of Carbadox Drugs in Meat." Journal of The Electrochemical Society 166, no. 8 (2019): B555.
- Ghosh, Saikat, Sampad Ghosh, Saikat Kumar Jana, and Nabakumar Pramanik. "Biomedical Application of Doxorubicin Coated Hydroxyapatite-Poly (lactide-co-glycolide) Nanocomposite for Controlling Osteosarcoma Therapeutics." Journal of Nanoscience and Nanotechnology, 20, no. 7 (2020): 3994-4004.
- B. Prasad, A. Sarkar, E. L. Lydia, N. Sharmili, Denis Pustokhin, Irina Pustokhina 'Disruptive Technologies for Smart Healthcare Systems using Artificial Intelligence for Hospital Management System'. International Journal of Advanced Science and Technology, Elsevier, Vol. 29 No. 9s, (2020)
- S. Potluri, A. Sarkar, E. T. Yasin, S. N. Mohanty 'IoT Enabled Cloud Based Healthcare System Using Fog Computing: A Case Study', Journal of Critical Reviews, Scopus, Vol 7, Issue 6, (2020).
- J. K. Dash, T. Madhuri, M. Patro, S. Chakravarty, A. Sarkar 'Novel Texture Feature for Content Based Image Retrieval', Scopus, Page No. 3672 – 3680, Volume 81.
- Abhit Paul, Anup Paul, "In-Vitro Thermal Assessment of Vascularized Tissue Phantom in Presence of Gold Nanorods During Photo-Thermal Therapy", Journal of Heat Transfer, Transac. of the ASME, DOI: 10.1115/1.4047371. (published online).
- S. Awasthi, A. Biswas, S. K. Metya, A. Majumder, "Optical Configuration of Modified Fredkin Gate using Lithium Niobate based Mach Zehnder Interferometer", Applied Optics, OSA, IF 2.18 (Accepted)
- M. Maiti, A. Majumder, S. Chakrabarty, H. Song, B. K. Bhattacharyya, "Modeling and Analysis of a Hybrid CS-CMOS Ring VCO with Wide Tuning Range", Microelectronics Journal, Elsevier, IF- 1.480.
- A. Tarafdar, UK Bera, B. K. Bhattacharyya, A. Majumder, "Mathematical Understanding of a Data Reconstruction Methodology in Point-to-point Interconnect", IEEE VLSI Circuit & System Letter.
- Prof. Mihir Shome "A factor Analysis study on Customer Relationship Management (CRM) in Public and Private Bank Managers in Bihar", International Journal of Innovations in Engineering and Technology (IJET). <https://orcid.org/0000-0002-8153-4113>. Apr, 2020.
- Prof. Mihir Shome presented paper titled on "Gender inequality in North East" in International Conference on New Frontiers in Engineering, Science, Law, Management, Humanities and Social Science 2020" at Guwahati University, 22-23 Feb, 2020.
- Prof. Mihir Shome presented paper titled on "Talent Management: A Global Challenge" International Conference on Business Management (ICBM2020), held at Dept. of Business management, Tripura University, 27-29 Feb, 2020.
- Prof. Mihir Shome presented paper titled on "Status of women in North East: Issues and Challenges" International Conference on Business Management (ICBM2020), held at Dept. of Business management, Tripura University, 27-29 Feb, 2020.
- Dr. Debjit Dutta published a paper entitled "MADM USING m-GENERALIZED q-NEUTRO SOPHISTETS" in Neutrosophic Sets and Systems (NSS).
- Abir J. Mondal, J. Talukar and B. K. Bhattacharyya, "Estimation of frequency and amplitude of ring oscillator built using current sources," Elsevier Ain Shams Engineering Journal (IF 1.949) (Accepted).

Faculty Empowerment Programmes

- Dr. Uday Kumar Khanikar, Registrar attended "Online International Covid-19 Awareness Quiz 2020" organized by Rajiv Gandhi University, Doimukh, 26 May, 2020.
- Dr. Uday Kumar Khanikar, Registrar attended online FDP "Teaching Learning through E-Learning Technologies" organized by Rajiv Gandhi University, Doimukh, 27-29 Apr, 2020.
- Dr. Uday Kumar Khanikar, Registrar attended Training Programme on "General Rules and regulation related to GFR Procurement Procedures, Accounts and Audit" organized by TEQIP-III Cell, NITAP, 16-20 Mar, 2020.
- Dr. K. Vijayakumar, Dept. of M&H attended webinar on "Engaging Language Learners from Home" organized by Cambridge University Press, 15 May, 2020.
- Dr. K. Vijayakumar, Dept. of M&H attended webinar on "Developing Autonomy in Young Learners" organized by Cambridge University Press, 13 May, 2020.
- Dr. K. Vijayakumar, Dept. of M&H attended webinar on "How to teach children online and overcome the physical distance" organized by Cambridge University Press, 13 May, 2020.
- Dr. K. Vijayakumar, Dept. of M&H attended webinar on "Language and Knowledge Transfer" organized by Bharathiar University, 26-30 May, 2020.
- Dr. K. Vijayakumar, Dept. of M&H attended webinar on "Mental Health Awareness for COVID-19" organized by Dumka Engineering College, 16 May, 2020.
- Dr. P.K. Swain, Dept. of BAS attended a Digital Conference on the occasion of World IP Day "Global IP Sharing to Combat Covid-19" organised by CII, 26 Apr, 2020.
- Dr. P.K. Swain, Dept. of BAS attended "IIC Online Session 2: Role and Importance of Pre-Incubators, Incubators and Accelerators in HEIs" organised by MIC, AICTE, 29 Apr, 2020.
- Dr. P.K. Swain, Dept. of BAS attended "IIC Online Session 2: Hangout with Emerging Innovation and Entrepreneurs Support through MIC and AICTE" organised by MIC, AICTE, 30 Apr, 2020.
- Dr. P.K. Swain, Dept. of BAS attended "Fighting Corona - Leveraging Scientific Research & Innovation" organised by DST, 03 May, 2020.
- Dr. P.K. Swain, Dept. of BAS attended "Hangout with Successful Start-up Founder"

- organised by MIC, AICTE, 04 May, 2020.
14. Dr. P.K. Swain, Dept. of BAS attended "How to Manage Anxiety and Isolation using Artificial Intelligence?" organised by CII, 10 May, 2020.
 15. Dr. N. Pramanik, Dept. of CHE & CHY attended "AICTE Training and Learning (ATAL) Academy FDP" at NIT, Arunachal Pradesh, 03-07 Feb, 2020.
 16. Dr. N. Pramanik, Dept. of CHE & CHY attended webinar on "Post COVID-19: Resurgence of Indian Industry and R&D" organized by SRM University-AP, 15 May, 2020.
 17. Dr. N. Pramanik, Dept. of CHE & CHY attended webinar on "Mental Health Awareness for COVID-19" organized by Dumka Engineering College (TEQIP-III), Jharkhand, 16 May, 2020.
 18. Dr. N. Pramanik, Dept. of CHE & CHY attended webinar on "Post COVID-19: Science and Technology" organized by SRM University-AP in association with India's National newspaper, "THE-HINDU", 29 May, 2020.
 19. Dr. N. Pramanik, Dept. of CHE & CHY completed NPTEL course on Inorganic Chemistry in January-April session, 2020.
 20. Dr. M. M. Singh, Dept. of M&H participated special talk on 'Changing Shape of Higher Education in Covid-19 Era' by Dr. Abhay Jera CIO MHRD IC, 26, Apr, 2020.
 21. Dr. Rajen Pudur, Dept. of ECE attended webinar "Higher Education in the new reality: Assessments to ensure quality education", organized by FICCI, 24 Apr, 2020.
 22. Dr. Prases Kumar Mohanty, Dept. of ME, attended webinar "Global IP Sharing to Combat Covid-19" organized by CII, 26 Apr, 2020.
 23. Dr. Prases Kumar Mohanty, Dept. of ME, attended webinar "Mental Well Being for Students during and after COVID-19 Outbreak" organized by Art of Living (NPIU), 09 May, 2020.
 24. Dr. Shubjajit Das, Dept. of ME, attended webinar "Unlocking the Lockdown through E-Examination" organized by IET, Dr. RMLAU, Ayodhya, U.P. & State Project Implementation Unit (SPIU), U.P, 20 Apr, 2020.
 25. Dr. Shubjajit Das, Dept. of ME, attended webinar "Post COVID-19: Resurgence of Indian Industry and R & D" organized by SRM University, A.P, 15 May, 2020.
 26. Dr. Shubjajit Das, Dept. of ME, attended webinar "Mental Health Awareness for COVID-19" organized by Dumka Engineering College, 16 May, 2020.
 27. Dr. Shubjajit Das, Dept. of ME, attended webinar "Role of Additive Manufacturing (3D Printing) during COVID-19" organized by Department of Mechanical Engineering, Engineering College Banswara, 09 Jun, 2020.
 28. Dr. Shubjajit Das, Dept. of ME, attended webinar "Online teaching pedagogy in higher education" organized by Department of Agriculture and Environmental Sciences, National Institute of Food Technology Entrepreneurship and Management, Kundli, Sonapat, 11-14 Jun, 2020.
 29. Dr. Shubjajit Das, Dept. of ME, attended webinar "Artificial Intelligence, Machine Learning/ Deep Learning" organized by NVIDIA, 24 Jun, 2020.
 30. Dr. Shubjajit Das, Dept. of ME, attended webinar "Virtual Tribology Lab & Live data" organized by jointly organized by Centre for Nanoscience and Nanotechnology, Sathyabama Institute of Science and Technology, Chennai and Ducom Instruments, Bangalore, 26 Jun, 2020.
 31. Dr. A. Vanav Kumar, Dept. of BAS attended webinar on "How to face NBA in Tier Two Institutions" organized by Pimpri Chinchwad Education Trust, 12 May, 2020.
 32. Dr. A. Vanav Kumar, Dept. of BAS attended webinar on "National Webinar on Unlocking the Lockdown Through e-Examination" organized by SPIU/NPIU, 20 Apr, 2020.
 33. Dr. A. Vanav Kumar, Dept. of BAS attended webinar on "German Start-up and Entrepreneurship Scene" organized by DWIH, New Delhi, 05 May, 2020.
 34. Dr. A. Vanav Kumar, Dept. of BAS attended webinar on "Analytics for Healthcare and in Combating Pandemic Situations Confirmation" organized by IIM Lucknow/ WILEYNXT, 18 Apr, 2020.
 35. Dr. A. Vanav Kumar, Dept. of BAS attended webinar on "Data Analytics and AI" organized by NPTEL Lecture Series, 29 Apr, 2020.
 36. Dr. A. Vanav Kumar, Dept. of BAS attended webinar on "Carrier options in AI" organized by NPTEL Lecture Series, 30 Apr, 2020.
 37. Dr. A. Vanav Kumar, Dept. of BAS attended webinar on "Biology and AI" organized by NPTEL Lecture Series, 16 Apr, 2020.
 38. Dr. A. Vanav Kumar, Dept. of BAS attended webinar on "Problem Solving in Business Analytics and Data Science" organized by Shine.com, 14 May, 2020.
 39. Dr. A. Vanav Kumar, Dept. of BAS attended online workshop on "Data Analytics" organized by Bennett University, 27-31 May, 2020.
 40. Dr. A. Vanav Kumar, Dept. of BAS attended STTP Program on "Data Science & Learning Systems for Engineering Research & Design" organized by NIT, Kurukshetra and ECB Bikaner, TEQIP-III, 24-30 Jun, 2020.
 41. Dr. A. Vanav Kumar, Dept. of BAS attended workshop on "Data Science and Analytics" organized by IIT, Indore, 02-12 Mar, 2020.
 42. Mr. Mohit Kumar De, Assistant Librarian attended webinar on "Strategies and Tips for Organizing A Virtual Learning Environment During the Lockdown" organized by EBSCO Information Service, 05 May, 2020.
 43. Mr. Mohit Kumar De, Assistant Librarian attended webinar on "How to Maintain Emotional Resilience & Balance During Stressful Times" organized by EBSCO Information Service, 19 May, 2020.
 44. Mr. Mohit Kumar De, Assistant Librarian attended webinar on "Libraries in New Normal: Challenges and Strategies for Post COVID-19 Pandemic Situation" organized by EBSCO Information Service, 26 May, 2020.
 45. Mr. Mohit Kumar De, Assistant Librarian attended webinar on "Challenges Imposed on Libraries by Covid-19 and the New Normal Service Paradigm" organized by EBSCO Information Service, 27 May, 2020.
 46. Mr. Mohit Kumar De, Assistant Librarian attended webinar on "Trends in Publishing" organized by Springer Nature in collaboration with INFLIBNET Centre, 16 Jun, 2020.
 47. Mr. Mohit Kumar De, Assistant Librarian attended webinar on "The Next Generation Open Source Platform for Your OPAC, ILS/LMS Or LSP" organized by EBSCO Information Service, 16 Jun, 2020.
 48. Mr. Mohit Kumar De, Assistant Librarian attended webinar on "Challenges for Libraries in Current Times" organized by EBSCO Information Service, 17 Jun, 2020.
 49. Mr. Mohit Kumar De, Assistant Librarian attended webinar on "The People & Principles Behind Nature" organized by Springer Nature in collaboration with INFLIBNET Centre, 18 Jun, 2020.
 50. Mr. Mohit Kumar De, Assistant Librarian attended webinar on "The Humanities & Social Sciences: critical to our understanding of today's complex and challenging world" organized by Springer Nature in collaboration with Inlibnet Centre, 30 Jun, 2020.
 51. Dr. S. K. Mandal, Dept. of ME attended Five day online Short-Term Training on "Bio Energy: Technologies & Transitions", sponsored by TEQIP-III Jointly organized by: Department of Mechanical Engineering, Engineering College Bikaner and NIT Kurukshetra, 13-17 May, 2020.
 52. Dr. Deepak Gupta, Dept. of CSE attended one-week FDP on "AI & ML and Its Application" organized by E&ICT Academy, NIT Patna, 18-24 May, 2020.
 53. Dr. Deepak Gupta, Dept. of CSE attended one-week national workshop on "Research Challenges in Computer Science and Technology" organized by Department of Computer Science and Information Technology, MGPU, Bihar, 18-23 Jun, 2020.
 54. Dr. Deepak Gupta, Dept. of CSE participated in the webinar "Post Covid-19: Resurgence of Indian Industry and R&D" organized by SRM University-AP, 15 May, 2020.
 55. Dr. Deepak Gupta, Dept. of CSE participated in the webinar "Post Covid-19: Science and Technology" organized by SRM University-AP in association with India's national newspaper, "THE-HINDU", 29 May, 2020.
 56. Dr. Deepak Gupta, Dept. of CSE attended one-week workshop on "Blockchain" organized by National Institute of Technology, Arunachal Pradesh, Yupia, 17-21 Feb, 2020.
 57. Dr. Deepak Gupta, Dept. of CSE attended one-week workshop on "Cyber Security" organized by National Institute of Technology, Arunachal Pradesh, Yupia, 03-07 Feb, 2020.
 58. Dr. Sanjeev Kumar Metya, Dept. of ECE attended Webinar on "Photonic Crystal Fiber Sensors" organized by OptiWave, 23 Apr, 2020.
 59. Dr. Sanjeev Kumar Metya, Dept. of ECE attended Webinar on "Supercontinuum Generation and Raman Self-frequency Shift in Photonic Crystal Fibers" organized by OptiWave, 13 May, 2020.
 60. Dr. Sanjeev Kumar Metya, Dept. of ECE attended Webinar on "Migrating a PIC Simulation to a System Design: Silicon-Photonic Modulator in a PAM-4 Link" organized by OSA, 02 Jun, 2020.
 61. Dr. Sanjeev Kumar Metya, Dept. of ECE attended Webinar on "Passive Optical Network for 5G Fronthaul" organized by OSA, 02 Jun, 2020.
 62. Dr. Sanjeev Kumar Metya, Dept. of ECE attended Webinar on "Designing Antennas Using COMSOL Multiphysics®" organized by COMSOL, 04 Jun, 2020.
 63. Dr. Sanjeev Kumar Metya, Dept. of ECE attended Webinar on "Design and Optimization of MEMS Sensors and Actuators" organized by COMSOL, 16 Jun, 2020.
 64. Dr. Abhik Banerjee, Dept. of EE attended webinar on "Post COVID - 19 Resurgence of Indian Industry and R&D" organized by SRM University, 15 May, 2020.
 65. Dr. Abhik Banerjee, Dept. of EE attended "ETAP 20: A Unified Digital Twin Platform to Design, Operate & Automate Power Systems - Webinar", 20 May, 2020.
 66. Dr. Abhik Banerjee, Dept. of EE attended webinar on "Post COVID - 19: Science & Technology" organized by SRM University, 29 May, 2020.
 67. Dr. Saikat Kumar Jana, Dept. of BT attended webinar on "Effective RNA extraction for COVID-19 testing" organized by GE Healthcare Life Sciences, 23 Apr, 2020.
 68. Dr. Saikat Kumar Jana, Dept. of BT attended webinar on "Electrochemical Biosensor for Covid-19 Detection" organized by Sinsil International Pvt. Ltd, 16 Jun, 2020.
 69. Dr. Saikat Kumar Jana, Dept. of BT attended Online Short-Term Training Program on "Bio-Energy: Technologies & Transitions" sponsored by TEQIP-III Jointly organized by: Department of Mechanical Engineering, Engineering College Bikaner and NIT Kurukshetra, 13-17 May, 2020.
 70. Dr. Achyuth Sarkar, Dept. of CSE attended 1st International Conference on Electronic System and Intelligent Computing, organized by NITAP, 02-04 Mar, 2020.
 71. Dr. Achyuth Sarkar, Dept. of CSE attended UBA Workshop, organized by NERIST, Nirjuli, 22 Feb, 2020.
 72. Dr. Achyuth Sarkar, Dept. of CSE attended workshop on Cyber Security under AICTE (ATAL) organized by Dept. of CSE, NITAP, 03-07 Feb, 2020.
 73. Dr. Achyuth Sarkar, Dept. of CSE attended workshop on Block Chain under AICTE (ATAL) organized by Dept. of CSE, NITAP, 17-21 Feb, 2020.
 74. Dr. Achyuth Sarkar, Dept. of CSE attended FDP on CIRRA 2020 organized by Gauhati University in Collaboration with Department of Electronics and Communication Engineering, NIT Silchar, 12-16 Mar, 2020.
 75. Dr. Achyuth Sarkar, Dept. of CSE attended workshop on Block Chain and its application organized by NIT Patna, 04-10 May, 2020.
 76. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on Technology Predictions for Times of Pandemics organized by IEEE, 04 May, 2020.
 77. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on India-US business collaborations & COVID-19 business going forward organized by IEEE, 05 May, 2020.

78. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on OpenStack & Containers in Hybrid Cloud organized by IEEE, 06 May, 2020.
79. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on New Zealand's IT Landscape & Data Analytics on Streaming Media organized by IEEE, 07 May, 2020.
80. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on One Data Framework, Infinite Possibilities organized by IEEE, 08 May, 2020.
81. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on One Data Framework, Infinite Possibilities organized by IEEE, 08 May, 2020.
82. Dr. Achyuth Sarkar, Dept. of CSE attended NAAC Awareness Program for Faculty organized by MMIT, 08-14 May, 2020.
83. Dr. Achyuth Sarkar, Dept. of CSE attended Research, Innovation Entrepreneurship Opportunities in Covid-19 scenario organized by Pandit Deendayal Petroleum University, 15 May, 2020.
84. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on Driven Logistics and Supply Chain during Covid-19 organized by IEEE, 19 May, 2020.
85. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on Chemiresistive Gas Sensors: Towards Electronics Nose organized by IEEE, 23 May, 2020.
86. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on Post Covid-19: Role of Science and Technology towards Self Reliant India organized by IEEE, 24 May, 2020.
87. Dr. Achyuth Sarkar, Dept. of CSE attended workshop on Cloud Computing organized by Bennett University Greater Noida, 27-31 May, 2020.
88. Dr. Achyuth Sarkar, Dept. of CSE attended workshop on Machine Learning organized by IE (I) Electronic Student Chapter of BVM and NPIU, 26 May, 2020.
89. Dr. Achyuth Sarkar, Dept. of CSE attended workshop on Python and Emerging Trends in Machine Learning organized by Forsk Coding School, 02-06 Jun, 2020.
90. Dr. Achyuth Sarkar, Dept. of CSE attended Webinar on Effective Use of ICT IN Business and education organized by IITM, 08 Jun, 2020.
91. Dr. Achyuth Sarkar, Dept. of CSE attended FDP on AI and Data Analytics with Matlab organized by NIT, Patna, 08-15 Jun, 2020.
92. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on App Development for Visual challenged people organized by Institute Politenico de Viana do Castelo Portugal, 10 Jun, 2020.
93. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on Artificial Intelligence and Business Optimization organized by University of South Florida, 15 Jun, 2020.
94. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on Artificial Intelligence: Introduction and its Application organized by Nazarbayev University Kazakhstan, 23 Jun, 2020.
95. Dr. Achyuth Sarkar, Dept. of CSE completed e-training on COVID-19 Training for NCC Cadets organized by Dept. of Personal & Training, 08 Apr, 2020.
96. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on German Start-up and Entrepreneurship Scene organized by Innovation Centre, NITAP and (R&D) Cell, 05-06 May, 2020.
97. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on First Leadership Talk organized by UGC, 09 May, 2020.
98. Dr. Achyuth Sarkar, Dept. of CSE attended International Conference on High Performance Big Data and Intelligent System 2020 organized by Illinois Institute of Technology, 23 May, 2020.
99. Dr. Achyuth Sarkar, Dept. of CSE completed online training on Development & Delivery of Engineering Courses organized by IE(I)KLC, 23 May, 2020.
100. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on Python Programming and Computer Vision organized by Govt. Holkar Sci. College, 25-26 May, 2020.
101. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on Education for Gen Z organized by Manipal University, 06 Jun, 2020.
102. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on Sprouting Innovation & Start-up organized by Manipal University, 13 Jun, 2020.
103. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on Future Opportunities Information Technology with reference to Covid-19 organized by Govt. Holkar Sci. College, 15-16 Jun, 2020.
104. Dr. Achyuth Sarkar, Dept. of CSE attended webinar on Life from Prism of Literature organized by Manipal University, 20 Jun, 2020.
105. Dr. Achyuth Sarkar, Dept. of CSE attended workshop on Holistic Life Style Management organized by GCT, 18 Jun, 2020.
106. Dr. Achyuth Sarkar, Dept. of CSE attended workshop on Brain Computer Interface organized by NITK, 05 Jun, 2020.
107. Dr. Achyuth Sarkar, Dept. of CSE attended workshop on Brain Computer Interface organized by NITK, 05 Jun, 2020.
108. Dr. Achyuth Sarkar, Dept. of CSE attended workshop on Brain Computer Robot Design organized by NITK, 06 Jun, 2020.
109. Dr. Achyuth Sarkar, Dept. of CSE attended workshop on Design of Brain Control Applications organized by NIT Jalandhar and Pentech Solution, 26 Jun, 2020.
110. Prof. Mihir Kumar Shome, Dept. of M&H attended webinar on New National Education Policy and Self Reliant India organized by Modern Group of Institutions, Indore, 16 Jun, 2020.
111. Prof. Mihir Kumar Shome, Dept. of M&H participated International Conference on "Application of SPSS and Statistical Data Analysis-2020" organized by Eudoxia Research Centre, 29-30 Apr, 2020.
112. Prof. Mihir Kumar Shome, Dept. of M&H received Certificate of Appreciation from International workshop on "Research and Methodology-2020" organized by Eudoxia Research Centre, 05-11 Apr, 2020.
113. Prof. Mihir Kumar Shome, Dept. of M&H attended workshop on "Gender, Rights and Equality" organized by Women Welfare and Grievances Cell, NITAP, 19 Jun, 2020.
114. Prof. Mihir Kumar Shome, Dept. of M&H attended workshop on Post COVID - 19 Resurgence of Indian Industry and R & D organized by SRM, AP, 15 May, 2020.
115. Prof. Mihir Kumar Shome, Dept. of M&H attended workshop on Healthy System and Human Ecology organized by Dept. of BT, NITAP, 22-23 Apr, 2020.
116. Dr. Mainak Mallik, Dept. of CE attended SIG Workshop: Dynamic Analysis following the provisions of IS 1893 (Part-1): 2016 organized by Bentley Institute, 09 Apr, 2020.
117. Dr. Mainak Mallik, Dept. of CE attended webinar on Unlocking the Lockdown through E-examination organized by IET, UP & SPIU UP, 20 Apr, 2020.
118. Dr. Mainak Mallik, Dept. of CE attended Digital Conference on 'Global IP Sharing to Combat Covid-19' organized by CII, 26 Apr, 2020.
119. Dr. Mainak Mallik, Dept. of CE attended webinar on Innovative Flexible Two-Stage Facing MSE Wall Solution to Address Soft Ground and Land Subsidence Geo-hazards organized by IITGN, 07 Apr, 2020.
120. Dr. Mainak Mallik, Dept. of CE attended webinar on: Improving efficiency of Highway Projects with BIM - Part 1 organized by Bentley Institute, 28 Apr, 2020.
121. Dr. Mainak Mallik, Dept. of CE attended SIG Workshop: Special Considerations of Seismic Analysis- Torsional Irregularity Checks organized by Bentley Institute, 30 Apr, 2020.
122. Dr. Mainak Mallik, Dept. of CE attended online workshop on Recent Advances in Science and Technology of Concrete organized by IITM, 02 May, 2020.
123. Dr. Mainak Mallik, Dept. of CE attended webinar on Innovative Geo-synthetic application in Hydraulic Structures organized by IITGN, 04 May, 2020.
124. Dr. Mainak Mallik, Dept. of CE attended webinar on Highway Engineering - Design to Deliver! organized by Bentley Institute, 05 May, 2020.
125. Dr. Mainak Mallik, Dept. of CE attended webinar on Learning from Civil Engineering in the Harappan Civilization organized by IITGN, 11 May, 2020.
126. Dr. Mainak Mallik, Dept. of CE attended webinar on Bio-Energy: Technologies and Transitions organized by NIT-Kurukh and GEC-Bikanir, 18-22 May, 2020.
127. Dr. Mainak Mallik, Dept. of CE attended FDP on Artificial Intelligence organized GCT-Coimbatore, 24-29 Jun, 2020.
128. Dr. Alak Majumder, Dept. of ECE attended international webinar on Quantum Computing: A Paradigm Shift organized by APC College, New Barrackpur, Kolkata, 29-30 Jun, 2020.
129. Dr. Alak Majumder, Dept. of ECE attended IEEE CASS Talks 2020 on Radio Frequency Architectures for 5G & Beyond by Prof. François Rivet, IMS Laboratory, France, 12 Jun, 2020.
130. Dr. Alak Majumder, Dept. of ECE attended IEEE CASS Talks 2020 on Can we build a Trustworthy Billion Transistor Chip?, TalTech, Estonia, 08 May, 2020.
131. Dr. Alak Majumder, Dept. of ECE attended online course on MICRO-614: Electrochemical nano-bio-sensing and bio/CMOS interfaces by Prof. Sandro Carrara (Fellow IEEE), EPFL - École Polytechnique Fédérale de Lausanne, Switzerland, 15-19 Jun, 2020.

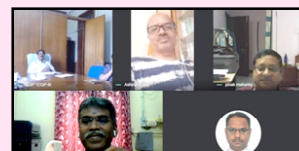
Book/Chapter Publication

1. Deb, Arnab, and S. K. Mandal. "Computational Study of Mixed Convection of Electronic Chips with Surface Radiation." *Advances in Applied Mechanical Engineering*. Springer, Singapore, 2020. 3-9.
2. Mandal, S. K., Arnab Deb, and Dipak Sen. "Mixed Convective Heat Transfer with Surface Radiation in a Vertical Channel in Presence of Heat Spreader." *Advances in Applied Mechanical Engineering*. Springer, Singapore, 2020. 53-61.
3. Adhikary, Tathagata, Amalesh Nanda, K. Thangapandi, Shantonu Roy, and Saikat Kumar. "Trends in Biosensors and Role of Enzymes as Their Sensing Element for Healthcare Applications." *Microbial Fermentation and Enzyme Technology* (2020).
4. Achyuth Sarkar, 'Research aspects of modified Aggressive Packet Combining (APC) Scheme. Computer Networking, Lap Lambert Academic Publishing, ISBN: 978-620-0-65435-9.
5. Dr. Debjit Dutta, "Bulbul Disaster Assessment Using Single Valued Spherical Hesitant Neutrosophic Dombi Weighted Aggregation Operators" accepted for publication at Springer.

Support for Institute

TEQIP-III Twining Activity:

1. Prof. P Mahanta, Director and Dr. M. Berlin, Coordinator, TEQIP-III, NITAP attended 36th BoG meeting of Government College of Technology, Coimbatore on 25 Jun, 2020.
2. Online FDP on 'Scientific and Technological Evolution of Additive Manufacturing in the Digital World' was organized by Dr. P.K. Mohanty & Dr. Shubhajit Das, Assistant Professor, Dept. of ME under TEQIP-III Twining Activity with GCT, Coimbatore.



BoG meeting of GCT.



Online FDP

15-19 Jun, 2020.

3. Online FDP on 'SAI- the predicting Machines' was organized by Dept. of

EE under TEQIP-III Twining Activity with GCT, Coimbatore and GEC Jagdalpur. 24-30 Jun, 2020.

4. Upcoming:

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

Faculty Awards and Achievements

- Dr. N. Pramanik, Assistant Professor, Dept. of CHE & CHY elected as a Fellow of Indian Chemical Society (ICS), India (No. F/8246) in the year of 2019.
- Dr. P.K. Swain, Assistant Professor, Dept. of BAS was a Reviewer of International Journal of Theoretical Physics.
- Dr. N. Pramanik, Assistant Professor, Dept. of CHE & CHY was a Reviewer of Journal of Water Process Engineering, Elsevier Publication, Journal of Environmental Engineering and Science, ICE Publishing, Biomedical Materials, IOP Publication.
- Dr. Shubjajit Das, Assistant Professor, Dept. of ME successfully participated and completed the 'National Level Quiz on Outcome Based Education' organized by Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India and secured a score of 85%, 07 Jun, 2020.
- Dr. Shubjajit Das, Assistant Professor, Dept. of ME was a Reviewer for Emerald Publishing, United Kingdom during June 2020, for 'Composite Part B', Elsevier during May 2020 and for 'Materials & Design' Elsevier during April 2020.
- Dr. A. Vanav Kumar, Assistant Professor, Dept. of BAS was External Examiner for the Open defence and the viva for research Scholar Ms. Jayashree D. N., Jain University.
- Dr. Vijayakumar, Assistant Professor, Dept. of M&H was a Session Chair at 1st International Conference on Electronic System & Intelligent Computing (ESIC 2020), NITAP, India, 02-04 Mar, 2020.
- Dr. Deepak Gupta, Assistant Professor, Dept. of CSE was a Session Chair at 1st International Conference on Electronic System & Intelligent Computing (ESIC 2020), NITAP, India, 02-04 Mar, 2020.
- Dr. Deepak Gupta, Assistant Professor, Dept. of CSE was an Expert and Session Chair in National Conference on Recent Advancements in IT & Computing (NCRAITC-2020), IMSEC Ghaziabad, 13 Jun, 2020.
- Dr. Pallabi Kalita Hui, Assistant Professor, Dept. of BT was felicitated for her outstanding contribution in the field of Biochemistry and Nutrition Studies by Professor Shashi Pandey, Department of Botany (left) and Dr. Anchal Singh, Department of Biochemistry, Banaras Hindu University (BHU) for her contribution in the field of biochemistry and nutrition studies.
- Dr. Ananta Kumar Atta, Assistant Professor, Dept. of CHE&CHY was a Reviewer for Journal of Amino Acids.
- Dr. Ananta Kumar Atta, Assistant Professor, Dept. of CHE&CHY was a Reviewer for Journal of Environmental Technology.
- Dr. Alak Majumder, Assistant Professor, Dept. of ECE was a Reviewer for IEEE Transaction of CAD of Integrated Circuit & Systems, IET Circuit, Devices & Systems and IET Computer and Digital Techniques
- Dr. Alak Majumder, Assistant Professor, Dept. of ECE was invited as Technical Committee Member & Reviewer of 14th IEEE AICT2020 International Conference, Tashkent University of Information Technologies, Uzbekistan and International Conference on Microelectronics and Nanoelectronics, Seoul, South Korea.
- Prof. Mihir Kumar Shome, Dept. of M&H was a Guest of Honour in World Summit on Basic and Applied Sciences, Mathematics and Engineering Research 2020 (ASMER-2020), organized by World Mathematics Association, 27-28 Jun, 2020.
- Prof. Mihir Kumar Shome, Dept. of M&H was a Resource Person in Online International Conference on Application of SPSS and Statistical Data Analysis 2020 "ICSSA-2020", organized by Eudoxia Research Centre, 29-30 Apr, 2020.
- Prof. Mihir Kumar Shome, Dept. of M&H was a Reviewer for Gender in Management: An International Journal, II. Human System management, Insight Journal, International Conference on Business Management (ICBM2020).
- Prof. Mihir Kumar Shome, Dept. of M&H was a Session Chair at 1st International Conference on Electronic System & Intelligent Computing (ESIC 2020), NITAP, India, 02-04 Mar, 2020.
- Prof. Mihir Kumar Shome, Dept. of M&H was a Session Chair at International Conference on Business Management (ICBM2020), held at Dept. of Business management, Tripura University, 27-29 Feb, 2020.
- Prof. Mihir Kumar Shome, Dept. of M&H was a Chief Guest at International Conference on New Frontiers in Engineering, Science, Law, Management, Humanities and Social Science 2020" at Guwahati University on 22-23 Feb, 2020.
- Dr. Abir J Mondal, Assistant Professor, Dept. of ECE was a Reviewer for International Journal of Electronics, Elsevier and IET- Circuits, Devices and Systems.
- Dr. S. K. Metya, Assistant Professor, Dept. of ECE was a Reviewer for IEEE Journal of Photovoltaics.
- Dr. S. K. Metya, Assistant Professor, Dept. of ECE was invited as Technical Committee Member & Reviewer of 14th IEEE AICT2020 International Conference, Tashkent University of Information Technologies, Uzbekistan.



Felicitation Ceremony

Start-up Cell: Prakousol

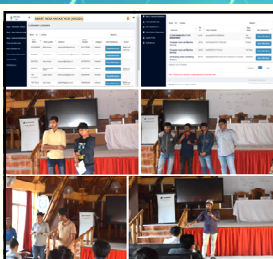
- Dr. T.D. Das, Coordinator, Startup Cell: Prakousol, NITAP organised Interaction Session on "How to plan for Start-up and Legal and Ethical Steps", 06 Mar, 2020. Speaker: Prof. Sukhomay Pal, Professor and Co-coordinator, TOCIC IIT Guwahati, Dept. of Mechanical Engineering, IITG. Speaker: Dr. Ramanuj Banerjee, Scientist-E, DSIR, Ministry of Science and Technology, Gol, New Delhi.
- Startup Cell: Prakousol and Institute Innovation Council, NITAP organized Arunachal Hackathon2020 focusing on six major areas are: 1. Agriculture & Rural Development, 2. Renewable Energy, 3. E-waste Management, 4. Local Healthcare and Hygiene, 5. Robotics and Drones and 6. Efficient E-Vehicles. The participants of the Hackathon2020 were students from NITAP and from the nearby schools and colleges, 14 Feb, 2020.

| Name of Members/Team | Institute/College name | Remarks |
|---|---|-----------------------|
| HA TADE | NERIST, NIRJULI | 1 ST PLACE |
| KATIT MODI | NIT-ARUNACHAL PRADESH | 2 ND PLACE |
| TAKAMMARKIA | VEER SURENDRASAI UNIVERSITY OF TECHNOLOGY (VSSUT) | 3 RD PLACE |
| SAYANPAKIRA AND SAKSHAMGOYAL | NIT-ARUNACHAL PRADESH | 3 RD PLACE |
| CHAITANYA THAPLIYAL, TANIA LAZI, MAMTA DIRCHI, MARIYAM KHAN | VIVEKANANDA KENDRA VIDYALAYA, NIRJULI | MOTIVATION PRIZE |
| KAZINGMIZE, RAKESH KUMARGUPTA, ANGSUMANHAZAM | VIVEKANANDA KENDRA VIDYALAYA, NIRJULI | MOTIVATION PRIZE |
| NANIHAPA, KESHAV LAL, DENYIKARBAK, ANIKETDEBNATH | VIVEKANANDA KENDRA VIDYALAYA, NIRJULI | MOTIVATION PRIZE |



Arunachal Hackathon 2020 at NITAP

- Internal Hackathon for SIH2020 was conducted at TELC Auditorium, NITAP on 10th Feb, 2020. Hackathon was held in two categories, Hardware and Software. Hackathon started with enthusiastic participation of 47 students, 5 teams in software and 3 teams in hardware category. Students demonstrated their idea and implementation process in front of expert team. At the end of the session 3 teams from software and 1 team from hardware were selected for participation in Smart India Hackathon 2020.



Smart India Hackathon 2020

- Sayan Pakira, B.Tech, Department of Chemical Engineering has been selected by Ministry of Petroleum and Natural Gas as part of Smart India Hackathon 2020 organized by MHRD, Govt of India.

Student Activities : GATE 2019-2020:

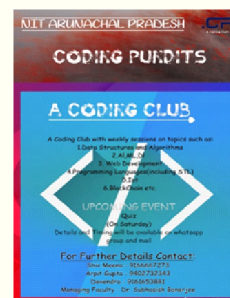
Students of NITAP appeared for GATE 2019-2020 examination and 24 students were qualified. The students' list as below.

| | | |
|----------------------|--------------------------|----------------------|
| Abhishek Pal (ECE) | Amit Kumar (CSE) | Abhishek Sarkar (ME) |
| Aditya Biswas (ECE) | Reena Kumari (CSE) | Ravi Kumar (ME) |
| Hage Anya (ECE) | Tolo Nonang (CSE) | Pooja Meena (ME) |
| Shubhans Singh (ECE) | Anand Kumar Maurya (CSE) | Akanksha Mudgal (BT) |
| Vilash Kri (ECE) | Yangki Jamoh (CE) | Tadar Yadar (BT) |
| Subodh Kumar (EE) | Danveer Singh (CE) | Anjini Bellai (BT) |
| Kartikay Singh (EE) | Joychen Kenglang (CE) | Lige Nyodu (BT) |
| Takhe Oku (EE) | Kamlesh Kumar (CE) | Lisa Ghosh (BT) |

Coding Pundits Club

"Everybody in this country should learn to program a computer, because it teaches you how to think" with these words of Steve Jobs, NITAP coding club name 'CODING PUNDITS' would create a coding community of our college students so that students can interact, get help and learn in the process of solving coding questions and implementations.

Weekly sessions on different topics of coding, to enhance coding skills among students will be organised. "CODING PUNDITS" aims to interact with like-minded peoples and to explore computer science world. Objective of this coding club is to establish a coding culture on campus, reaching every student passionate about coding. motto of our coding club is 'TRY-LEARN-IMPROVE and INNOVATE'. Three Online Coding Events and challenges have been conducted in the month of March, 2020.



Coding Pundits Club



Field Visit by EE Dept.

Field Visit:

3rd year B. Tech students and 1st year M. Tech REEM students visited Pare Hydro Electric Plant as part of their academic field visit on 19 Feb. 2020.

Student publication/participation

1. Umesh Gupta and Barenya Bikash Hazarika have participated & completed successfully AICTE Training and Learning (ATAL) Academy FDP on "Cyber security" at NIT Arunachal Pradesh, India. 03-07 Feb, 2020.
2. Umesh Gupta and Barenya Bikash Hazarika have participated & completed successfully AICTE Training and Learning (ATAL) Academy FDP on "Block chain technology" at NIT Arunachal Pradesh, India, 17- 21 Feb, 2020.

Outreach Activities

Mother Language Day Celebration:

EBSB Club and NCC Cell organised Mother Language Day on 21st Feb 2020. Special talk by Dr. P. K. Swain, Dean, R&D and Dr. K. Vijayakumar, EBSB Club on the importance of mother language and distributed prizes for slogan writing contest winners on 09.03.2020 at Language Lab, NIT, Arunachal Pradesh. The winners of the Slogan Writing are given below:



Mother Language Day Celebration

Winners

| | |
|-------------------------------|-------------------|
| Patil Suyash Shankar, M. Tech | First Prize |
| Amit Kumar, B. Tech | Second Prize |
| Sayan Pakira, B. Tech | Third Prize |
| Amit Singh, B. Tech | Consolation Prize |
| Ajay Yadav, M. Tech | Consolation Prize |

EBSB Cell

1. Multi-lingual Dictionary:

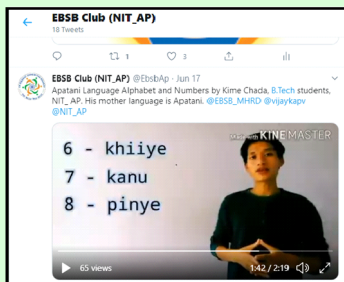
Members of EBSB club have composed Apatani, Nyshi, Tangsa, Galo and Bengali multi-lingual dictionaries under the coordination of the nodal officer, Dr. K. Vijayakumar. There are 300 hundred basic English words were identified and translated them into Hindi and Tamil then into languages of Arunachal Pradesh. Since there is no script, the words of their language would be in Roman Script to learn easily.

2. EBSB Club, NITAP Official Twitter Page:

One of the objectives of EBSB Mission is To SHOWCASE the rich heritage and culture, customs and traditions of Indian State to other states. With the objective, EBSB cell, NITAP initiated uploading short videos (prepared by students of NIT Arunachal Pradesh) on Arunachal Pradesh's rich heritage and language and culture, customs and traditions in the official Twitter Page of EBSB Cell, NITAP (@EbsbAp). More, videos of the partner's states: Uttar Pradesh and Meghalaya on culture and languages and Govt's EBSB tweets are being retweeted in our twitter account. The first video is prepared by Mr. Kime Chada, B. Tech student on Alphabets and Numbers of Apatani Language under the guidance of Dr. K. Vijayakumar, Nodal Officer, EBSB Cell, NITAP.

Career Counselling:

Career Counselling conducted by NIT AP and lectures delivered by Prof S. N. Shome and Dr Rajen Pudurat VKV, Nirjuli on 10th Feb 20.



Career Counselling at VKV, Nirjuli.

150 Birth Anniversary of Mahatma Gandhi

Gandhi Study Centre (GSC), NITAP in collaboration with Ek Bharat Shreshtha Bharat (EBSB) Cell, Swachh Bharat Abhiyan Cell and NCC Unit organized various activities invited talks, E-poster competition, debates and hands-on-training on Coronavirus Awareness Campaign, Food Waste Management, Environmental Awareness and Skill Training for The following activities were organized by Gandhi Study Centre (GSC), NITAP in collaboration with Ek Bharat Shreshtha Bharat (EBSB) Cell, Swachh Bharat Abhiyan Cell and NCC Unit in the months of March and April 2020.



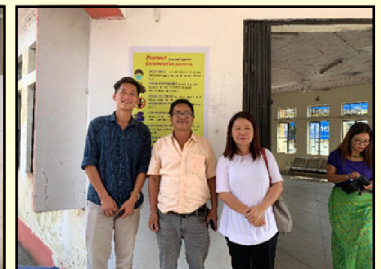
Coronavirus Awareness Campaign



Display of Coronavirus Prevention Poster at different locations of Yupia



Display of posters at institute canteen



Display of posters at DC office

Coronavirus Prevention Poster prepared by Gandhi Study Centre



Presenting masks (for institute use) to Medical in Charge (Dr. Manjula) by GSC Coordinator (Dr. Kimjolly)

National Level Awareness Programme

National Level Awareness Programme (NLAP-2020) was organized at NITAP in TEL Centre at 11:00 am.



NLAP-2020

Women Welfare and Grievances Cell

International Women's Day: Women Welfare and Grievances Cell, NITAP celebrated International Women's Day, 06 Mar, 2020.



International Women's Day 2020

Webinar

Dr. Pallabi Kalita Hui, Chairperson, Women Welfare and Grievances Cell, NITAP organized a webinar on "Gender, Rights and Equality", 19 Jun. 2020. The speakers were Prof. Polly Vauqueline, Dept. of Women's Studies, Gauhati University and Prof. Alpana Borgohain Dept. of Women's Studies, Gauhati University.

National Institute of Technology, Arunachal Pradesh

(Established by Ministry of Human Resource Development, Govt. of India)

Women Welfare and Grievances Cell

Webinar on Gender, Rights and Equality

Date: 19th June, 2020

Moderator

Dr. Pallabi Kalita Hui
Chairperson,
Women Welfare and Grievances Cell
Assistant Professor
NIT – Arunachal Pradesh

Speakers

Prof. Polly Vauqueline
Department of Women's Studies
Gauhati University, Guwahati, 781014

Time: 11 AM to 12 Noon

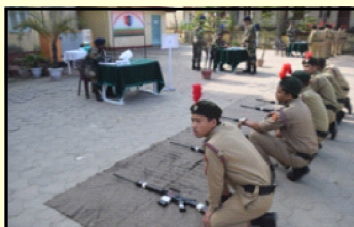
Prof. Alpana Borgohain
Department of Women's Studies
Gauhati University, Guwahati, 781014

Time: 2 PM to 3 PM

Webinar on Gender, Rights and Equality

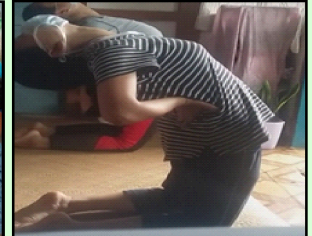
NCC Cell

1. NCC Cell conducted NCC "B" Certificate examination at NITAP.



NCC "B" Certificate examination at NITAP

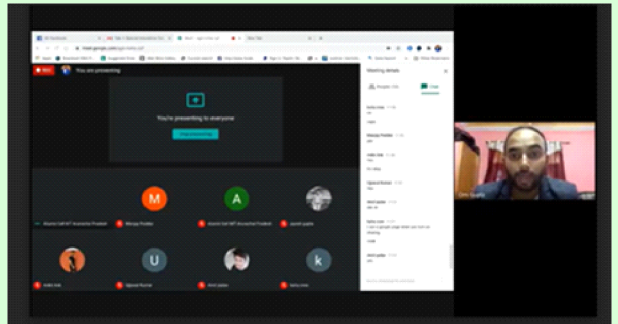
2. NCC Cell circulated the awareness video and the process of registration for Covid-19 E-certificate Training Program by CDT Kajal Kumari and CDT Mikkan Mossang, B.Tech, NITAP, 02 May, 2020.
3. NCC Cell celebrated World Blood Donor Day by Painting, Short video using Mask, Plantation in your home, Essay and Yoga video by Cadet, 14 Jun, 2020.
4. NCC Cell celebrated International Day of Yoga. NCC Cadets has Successfully participated IDY from home with family members.



International Day of Yoga Celebration

Alumni Association:

Alumni Association, NITAP organized Special Interactive Talk on 'How to find your passion and convert it in a profession' by Mr Om Gupta, Batch: 2010-14 (CSE), Digital Marketing Consultant and Life Coach, GetDigitalOffice, New Delhi, 23 Jun, 2020.

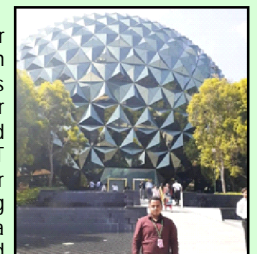


Special Interactive Talk

Alumni's Voice

I am Kumod Kumar Yadav currently working at Infosys. I did my B.Tech in CSE Department from NITAP (Batch 2015-19). The four golden years at NITAP had filled my life with lots of unforgettable memories and I ensure that everyone graduated from NITAP will feel the same. NITAP best memories and diaries was the best part of my life. One of the most interesting stages in life that gives you an opportunity to learn, explore yourself with different cultures, traditions, environment, and the places. I had gone through many Training programs during my B.Tech curriculum which would help every student to encrypt a required resume for their placements and career growth. NITAP gives you exposure to different technology fields, Start-up, digitalization programs, leadership opportunities and the vacations on summer and winter sessions which will help you out to pursue different training programs in different institutes and organization of India.

The professional skills required by a Computer Science & Engineering student while working in any company is the skills, knowledge and ideas what you are going to give & get during your four years B. Tech Program in NITAP. I would like to share some points needed for a CSE/IT Engineer working in any organization or Company. The company currently I am working Infosys, provides you the best training for a fresher. This would help you out to give a good career start if you are willing to work in IT Hubs & Companies as well as for your Higher Studies.



Kumod Kumar Yadav
Infosys, Mysore

I would suggest, if you are really confused with your career planning then choose a job you love, and you will never have to work a day in your life. Infosys company training platform also offers soft skills courses, including one on Business English. The platform will expose students to virtually-simulated environments to solve hard problems faced by clients. Having confidence and a clear vision can help influence your co-workers and get them on board with your ideas now and in the future. Displaying such leadership skills helps you gain visibility within an organization, which can lead to more opportunities for promotions or salary bumps and you can merge your career with great start and the best way to predict the future is to create it.

Thanks & Regards,