

PARIPRASHNA : An NIT Puducherry Newsletter



Administrative Block, NIT Puducherry
Courtesy : Dr. Ansuman Mahapatra

"Without change there is no innovation, creativity, or incentive for improvement. Those who initiate change will have a better opportunity to manage the change that is inevitable."

- William Pollard



Vision

To be among leading Indian Institutes for excellent, relevant and value based technical education and research.

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From the Director's Desk



It is a silver lining to forward the first issue of the fourth volume of NIT Puducherry bi-annual newsletter, "PARIPRASHNA". When the whole world has transformed drastically to tackle COVID'19, the NITPY community has found ways to adapt and evolve in this difficult times. The successful completion of online classes and assessments and also the achievements and laurels of the faculty and students as seen from the contents of this newsletter, are proof to the fast paced adaptation and commitment to continuous learning. Even though the Institute has been functioning online, it has only opened new avenues and opportunities towards learning and excellence.

The faculty and student volunteers have shown social responsibilities by spreading awareness of using masks, sanitizers, physical distancing, to tackle the COVID'19 pandemic, by imparting career guidance to school children, by supporting National Swachchata Mission, undertaking green initiatives, etc., The Institute has become stronger with the addition of sixteen non-teaching personnel to the NIT Puducherry family. The Institute also added Administrative Block to its infrastructure which was inaugurated by Shri. Nitin Gadkari, Minister of Road Transport & Highways, Shipping and MSME. The Laboratory Block is in its final stages and the Engineering Block is under planning. The research activities and publications from the Institute is increasing at a good pace. As a closing note, I congratulate the team of NIT Puducherry for their untiring efforts towards technical excellence and vibrant campus environment.

Dr. K. Sankaranarayananamy
Director

NIT Puducherry celebrated the 71st Republic Day



Dr. K. Sankaranarayanan, Director, hoisted the National flag at NIT Puducherry campus at 8.00 am to commemorate 71st Republic Day. The Director also received the guard of honour from the National Cadet Corps (NCC). The director addressing the students and staff, described the importance of sovereign republic and informed to look up to the achievements of Indians with pride. The event was witnessed by all the HODs, Associate Deans, staff and students of the Institute. s

Visit to Government Public School



Dr.K.Sankaranarayanan, Director, along with faculty and staff of National Institute of Technology Puducherry visited Government Public School, Poovam, hoisted the National flag, inspired the budding children with his speech and witnessed the young children performing various cultural events, speeches and poetry.

Software Development and Career Guidance



Dr. G. Aghila, Professor, Department of CSE and Dr. Narendran Rajagopalan, HOD, Department of CSE, delivered a talk on software development and career guidance organized at ONGC Public School, Karaikal, to classes XI and XII students. They explained the cutting edge technology in Computer Science and also motivated the students to grab the opportunities in this field. They also clarified the doubts regarding their career growth. In another session, a practical hands-on training was given to Class XI students in software development using Python. Students actively participated and learnt five different real time problems using Python, guided by the research scholars, Mr. Hemachandran, Mr. Kommu Narendra, Mr. Lokesh, Mrs. Nivethitha and Mr. Siddharth. In the final session, each team explained their program and its output to the remaining teams as knowledge sharing.

RO Filter donated by NIT Puducherry



The National Institute of Technology Puducherry donated a Reverse Osmosis (RO) purifier to the Government Public school, Poovam at Karaikal. Dr.K.Sankaranarayanan, Director along with organizer Dr. D. Ragupathy and other faculty and staff handed it over to the school for better drinking water facility for the students of the school.

Swacchata Pledge



All the faculty and Staff were guided by the Director, Dr. K. sankaranarayananasamy, in taking the pledge to contribute towards the National Swachhata Mission by kick-starting Swachhata Pakhwada campaign. All faculty and staff enthusiastically participated in the ceremony on 16th January 2020.

Continuation of Plantation of saplings



In continuation with the efforts towards greener campus, Dr.K.Sankaranarayananasamy, Director led and encouraged the staff and faculty towards tree plantation around the campus by earmarking places for it and plantation activity on 17th January 2020 as a part of Swachhata Pakhwada campaign.

NSS Cleanliness Drive Activities



A clean up drive was organized on 23th January 2020 in the campus as part of Swacchata Pakhwada 2020. NSS volunteers actively participated in the drive. Also several competitions were organized for the students to showcase their talents with speeches, essay writing, slogan writing, organized on the themes of Swacchata, water and forest conservation on 27th January 2020.

Village Activities for Swacchata Pakhwada 2020



A rally was organized to create awareness among people about cleanliness in Poovam village. The harmful effects of usage of plastic was also explained with posters and banners on 29th January 2020. NIT Puducherry emphasized its commitment towards the National Swachhata Mission.

Staff Recruitment at NIT Puducherry



In order to strengthen the operational processes of the Institute, non-teaching staff recruitment was conducted at NIT Puducherry for various posts. A total of sixteen personnel were recruited following an elaborate recruitment process encompassing, an Assistant Librarian, a Stenographer, two Junior Assistants, seven Technicians, three Technical Assistants and two Office Attendants.

6th Convocation Ceremony on 28th February 2020



The Institute hosted the sixth convocation ceremony on 28th February 2020, presided by Shri.Nitin Jairam Gadkari, Hon'ble Minister of Road Transport & Highways, Shipping and Micro, Small and Medium Enterprises, as the Chief Guest, Shri.V.Narayanasamy, Chief Minister of the Union Territory of Puducherry, Shri.R.Kamalakaran, Minister of Agriculture, Electricity, Education were also present as Guests of Honour. Dr. K.Sankaranarayanan, Director and officiating Chairman, Board of Governors, NIT Puducherry, officiated over the ceremony. Twenty four graduands from the Department of Computer Science and Engineering, twenty five graduands from the Department of Electronics and Communication Engineering, twenty six graduands from the Department of Mechanical Engineering and twenty nine graduands from the Department of Electrical and Electronics Engineering were awarded their degrees during the graduation ceremony. Eight Graduands of M.Tech and two Ph.D graduands received their degrees from the Department of Computer Science and Engineering. Two Ph.D Graduands from the Department of Electronics and Communication Engineering received their degrees.

- *Mr. Biswaranjan Adhikary*, Department of Computer Science and Engineering, was awarded Institute medal for Master of Technology programme.
- *Mr. Aravapalli Chandra Sekhar Gupta*, Department of Computer Science and Engineering was awarded Institute medal for Bachelor of Technology programme.
- *Mr.Guru Lakshmi S*, Department of Electronics and Communication Engineering, was awarded Institute medal for Bachelor of Technology programme and also for being the overall topper.
- *Mr.Iyer Vaishnavignesh Gomathisankaran*, Department of Electrical and Electronics Engineering, was awarded institute medal for Bachelor of Technology programme.
- *Mr.Doppalapudi Sriharshavardhan*, Department of Mechanical Engineering, was awarded Institute medal for Bachelor of Technology programme.

Inauguration of the Basketball Court



A newly constructed Basketball court was inaugurated by Dr.K.Sankaranarayanan, Director, in the presence of Dr.S.Babu, Students Activities and Sports Officer and other faculty and staff. A friendly match was organized between the teams from NIT Puducherry and Karaikal on 29th January 2020 to celebrate the occasion.

An Awareness Campaign from Indian Navy



On 6th February 2020, Lieutenant. Saurav Tiwari from Indian Navy, addressed the students of the Institute to share various job opportunities in Indian Navy and the honour the serve the Nation that comes with it.

Inauguration of Administrative Block



Administrative Block was inaugurated by the Chief Guest, Shri.Nitin Jairam Gadkari, Hon'ble Minister of Road Transport & Highways, Shipping and Micro, Small and Medium Enterprises, and Guests of Honour, Shri.V. Narayanasamy, Chief Minister of the Union Territory of Puducherry, Shri.R.Kamalakaran, Minister of Agriculture, Electricity and Education. Dr. K.Sankaranarayanan, Director and officiating Chairman, Board of Governor, NIT Puducherry presided over the ceremony.

A Rally Supporting 'AIDS Awareness Day'



In an attempt to create awareness of prevention of HIV/AIDS, the NSS Unit of the Institute conducted a rally on 26th February 2020. Forty five volunteers of NSS Unit campaigned in Varichikudy and Thiruvettakudy villages to spread the message about the prevention of HIV/AIDS. Dr. V. Govindaraj, NSS Programme Officer of the Institute flagged off the rally.

Gyanith-2020 A Technical Festival



Donation of Solar Fish Dryer to the Local Community



Dr. N. Sendhilkumar, HOD, Department of Mechanical Engineering, designed and manufactured a Solar Fish Dryer working on the principle of Green House Effect, was donated by Shri.Nitin Jairam Gadkari, Hon'ble minister of Road Transport & Highways, Shipping and Micro, Small and Medium Enterprises, to the fishermen of Kot-tucherry Medu, Karaikal, Puduherry.

Gyanith 2020, a 3-day Inter-Collegiate Technical festival was hosted between 2nd and 4th March 2020, inaugurated by the Chief Guest Dr. Anil Kumar Sharma, Head, PT&DHRSS, IGCAR, Dept. of Atomic Energy, Kalpakkam in the presence of the Director, Dr. K. Sankaranarayanan. Gyanith'20 provided a platform to encourage students to sharpen their creative and technical skills. Children from various schools and colleges participated in project expo and science expo and won prizes. The winners of the various competitions were awarded with prizes and merit certificates.

NIT Puducherry Celebrates Women's Day



To honour the contribution of Women, the Institute celebrated the Women's Week 2020 with variety of events like Face Painting, Tattoo Making, Mehendi Design Making, Hairstyling, Slogan writing, English Elocution, Paper Jewellery/craft making. The Women's Day was celebrated on 12th March 2020 with the distinguished guests Dr. K. Jothi Dayanandan, Associate Professor, Y.M.C.A. College of Physical Education, Chennai, Mrs. Chandirapriyanga, MLA, Nedungadu Puducherry & Mrs. Padmavathy Sankaranarayanamsamy. The event also included a special lecture by Dr. K. Jothi Dayanandan on "Empowering Youth through Physical fitness".

Annual Sports Day Celebration



The institute organized Annual Sports Day on 13th March 2020, commemorating with a march past and Olympic torch relay and subsequently annual sports day oath taken by all the captains of the house and participants. The inaugural ceremony included a welcome address by Dr.S.Babu (Students Activities and Sports Officer), and the Inaugural address by chief guest, Dr.K.Jothi Dhayananthan, Associate Professor, YMCA College of Physical Education, Chennai in the presence of Mrs.Padmavathy Sankaranarayanamsamy. Mr. Aravindh,

student of the Institute, participated and won first place in Open International Karate Championship held in Malaysia who was appreciated by the Chief Guest. Ms. Jayasree, Student Sports President and Mr. Sanjeev, Student Sports Secretary gave the Vote of Thanks. During the valediction function, Chief Guest, Mr. P. Bhubalan, International Basket Ball Player honoured the winners with trophies and medals for the 16 games, 21 athletic events for the students and 10 event for the faculty and staff that was conducted as part fo the annual sports meet.

Training on Institution's Innovation Council (IIC) by MHRD



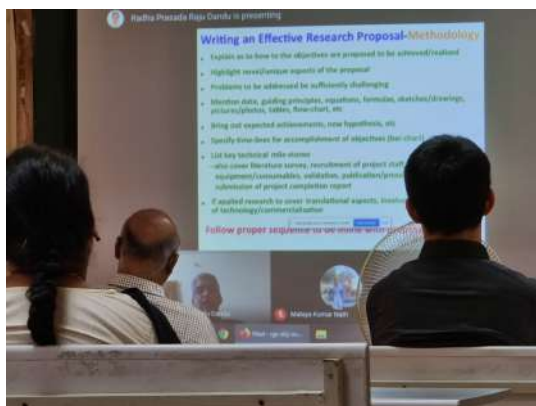
Dr. T. Vinopraba and Dr. A. Venkadesan, Assistant Professors, Department of Electrical and Electronics Engineering, Dr. N.M. Sivaram, Department of Mechanical Engineering and Dr. Ansuman Mahapatra, Department of Computer Science Engineering attended a 2-days Training on Institution's Innovation Council(IIC) Innovation at SKCET, Coimbatore, organized by Ministry of Human Resource Development (MHRD), Govt. of India has established MHRD's Innovation Cell (MIC) among all Higher Education Institutions on 20th March 2020.

NIT Puducherry contributes to Fight against "COVID19"



National Institute of Technology Puducherry, offered the Hostel premises to facilitate as quarantine center for medical personnel serving during the COVID19 pandemic.

Online talk on "Writing an Effective Research Proposal for Funding Agencies"



National Institute of Technology Puducherry, An Online talk on "Writing an Effective Research Proposal for Funding Agencies" is delivered by Dr. Radha Prasada Raju Dandu, Professor and Dean at MVGR College of Engineering, Mechanical Engineering.

Distribution of Homeopathic tablets to all the staff members of NIT Puducherry



Immunity boosting Homeopathic tablets were distributed to all staff members of the Institute as a step towards fighting COVID'19 pandemic.

NIT Puducherry prepared it's own Hand sanitizer



The chemistry department headed by Dr. D. Ragupathy, prepared alcohol based hand sanitizers which was put to use within the campus by the sanitization committee to fight against COVID'19 pandemic.

Placement Activities



More than 35 technical companies visited our campus for placements in the academic year 2019-2020 starting in the month of July 2019 with the arrival of EPAM. Following suit were big corporates and startups, Tredence Analytics, Value Labs, SAP, Analytics Quotient, Kaleyra, Virtusa, Inatech, L& T Engineering and Constructions, ABB, Amadeus, CGI, Atkins, Alcatel Lucent Enterprise, NXP Semiconductors, among others. For the academic session 2019-20, a total of 67 offers were received by the students out of the 90 eligible and interested. The maximum CTC of 15 Lakhs per annum was bagged by the students. The average CTC was around 5.5 Lakhs per Annum. The placement cell headed by Dr. Narendran Rajagopalan with Ms. Mahalakshmi as office assistant and student coordinators, Mr. Baraneeshwar, Ms. Shwetha and Mr. Santhosh Kumar worked hard towards the goal of 100 percent placement for the students.

Faculty Accomplishments

- *U.Padmavathi, Narendran Rajagopalan* published a bookchapter titled, "Blockchain Concept and its Emergence" in the book entitled "Blockchain Applications in IoT Security", IGI Global publications.
- *Dr.Sendhil Kumar Natarajan*, Assistant Professor and Head, has participated in the three days online faculty development program on Internet of Things, Organised by NIT K-STEP National Institute of Karnataka in association with Pantech E Learning.
- *Dr.Sendhil Kumar Natarajan*, Assistant Professor and Head has completed distance learning course on "General Course on Intellectual Property" from WIPO Academy, USA.
- *Dr.Sendhil Kumar Natarajan*, Assistant Professor and Head, Department of Mechanical Engineering visited University of Loughborough, and university of Exeter, United Kingdom from 14th February 2020 to 27th February 2020, as a Co-Principal Investigator of the DST -UKIERI project entitled "Methanol Fed High Energy Density Fuel Cell System with Novel Catalyst and Flow Field Design" sanctioned jointly by Department of Science and Technology (DST), Government of India and UK-India Education and Research Initiative (UKIERI), Government of UK, (Ref: DST-UKIERI project DST/INT/UK/P-121/2016 dated on 11th July 2017 & 18th July 2019).
- *Dr.Sendhil Kumar Natarajan*, Assistant Professor and Head, Department of Mechanical Engineering delivered an invited talk for a technical webinar series on "Issues and Challenges in CSP Technologies" on 16th May 2020, Organised by Francis Xavier Engineering College, Tirunelveli, Tamilnadu.
- *Dr.Sendhil Kumar Natarajan*, Assistant Professor and Head, Department of Mechanical Engineering delivered an invited talk for a technical webinar series on "Recent Trends in CSP Technologies" on 3rd August 2020, Organised St.Joseph College of Engineering, OMR, Chennai
- *Dr.Sendhil Kumar Natarajan*, Assistant Professor and Head, Department of Mechanical Engineering got project as a Co-PI along with NIT Trichy on "Life cycle assessment of CO₂ reduction by energy efficient hybrid biomass pyrolysis and gasification", BRICS-DST India Under BRICS STI Co- OPERATION (BRICS 2019 -154 Carbon dioxide, (Total cost: Rs.49.96,800/-)
- *Dr. Sendhil Kumar Natarajan*, attended Online training program on "Reservation in Services for SC/ST/OBC & EWS" held on 3rd July 2020, conducted by Systematic Institute of Economic Research & Development (SIERD)
- *Dr. Sendhil Kumar Natarajan*, attended Online training program on "Right to Information Act" held on 8th July 2020, conducted by Systematic Institute of Economic Research & Development (SIERD).
- *Dr.D.Ragupathy*, Head, Department of Science and Humanities, presented a poster entitled "Nanocomposite Modified Electrode based on PANI/PTA/TIO₂ for Energy Applications" in 11th Bengaluru India Nano, Bangalore on 2nd March 2020.
- *Dr.B.Surendiran*, Assistant Professor, Dept of CSE, was awarded outstanding reviewer award for contribution to quality of Biomedical and Pharmacology Journal on 13th April 2020 and he also delivered a talk on "How to Write Research Paper and Tools Used for Research" held on 6th June 2020 at Jayamukhi Institute of Technological Sciences, Narsampet, Warangal, Telangana State and also a talk on "Tools used for research and writing a research paper" on 14th May 2020 at Aditya Engineering College, Surampalem, Andhra Pradesh.
- *Dr.B.Surendiran*, Assistant Professor, Dept of CSE, delivered a talk on "Machine Learning Tools for healthcare" in Third International Virtual Conference on Data Science - A future of Digital Transformation, organized by the Department of Digital Communications, SITE, VIT, Vellore from June 29 - 30, 2020. He also delivered a webinar talk on "Application of ML Tools" on July 04 2020 organized by the Department of ECE, St. Joseph's Institute of Technology, OMR, Chennai - 119.
- *Dr.B.Surendiran*, Assistant Professor, Dept of CSE, delivered a webinar talk on "Current Trends and Career Opportunities in IT Sector" on June 27 2020 organized by the Department of ECE, Kumaraguru College of Technology, Coimbatore. He also delivered a talk on "Tools Used for Research & How to Write Research Paper" held on 6th June 2020 at SRK University, Bhopal. He also delivered a talk on "Supervised Algorithm - ANN" on 14th April 2020 for AICTE Training and Learning Academy(ATAL) Faculty Development Program (FDP) on Artificial Intelligence by IIIT Nagpur.
- *Dr.D.Ragupathy*, Head, Department of Science and Humanities was invited for a guest talk on "Nanocomposite materials for Catalytic and Energy Applications" in Six days International workshop on Smart Material Sensor and Energy Devices, organized by SSN College of Engineering, Chennai on 27th May 2020.

- *Dr. G. Lakshmi Sutha & Dr. M. Surendar* has got the project entitled "PHY Layer Design of URLLC assisted 5G networks", funded by Sri Lanka Technological Campus (SLTC), Srilanka in collaboration with Prof. Dush Nalin Jayakody, National Research Tomsk Polytechnic University, Russia and Dr. P. Muthuchidambaranathan, National Institute of Technology, Tiruchirappalli. The total cost of the project funding is 78.31 lakhs for a period of two years with effect from 1st June 2020.
- *Dr Amrtha Bhide*, Assistant Professor, Department of Physics and *Dr.V.Govindaraj*, Assistant Professor Department of Mathematics and NSS officers have conducted Socio-Economic Survey during COVID-19 pandemic in Povam, Thiruvettakudy and KonaKavali villages. *Mr. SadheeshKumar S J* has provided local support in this regard.
- *Dr Amrtha Bhide*, Department of Physics has delivered invited lecture on topic entitled "SODIUM ION CONDUCTING SOLID ELECTROLYTES- A smart investigation" in National Conference on Novel Materials and Devices for Future Applications (NMDFA-2020) in association with Association of Physics Teachers of Mangalore University, 18 February 2020.
- *Dr Amrtha Bhide*, Associate Dean Student Welfare has received memento on behalf of NIT Puducherry from Blood Bank- JIPMER Pondicherry for arranging Annual Blood Donation Camp in Year 2019, at an event held by JIPMER in the month of January 2020.
- *Dr.A. Venkadesan*, Head, Department of Electrical and Electronics Engineering, Delivered a Webinar on "Neural Network Applications in Electrical Engineering" at Manakula Vinayagar Institute of Technology, Puducherry dated on 29th May 2020.
- A project titled "Mathematical Modelling and Performance Analysis of Non-Orthogonal Multiple Access Based Underwater Acoustic Sensor Networks" sanctioned by Science and Engineering Research Board (SERB), Govt. of India, under MATRICS scheme. Principal Investigator: *Dr. Harigovindan V P*, Assistant Professor, Department of Electronics and Communication Engineering Total Budget Rs. 6.6 Lakhs for 3 years.
- *Dr. Harigovindan V P* delivered an invited talk on "NOMA for 5G and Beyond" at AICTE Sponsored Two-week Faculty Development Programme on "Green, Smart, 5G Technologies", from 9th to 21st December, 2019.
- *Dr. Harigovindan V P* delivered an invited talk on "5G communication Systems" at ACCESS 2020: International Conference on Advances in Computing, Communication, Embedded and Secure Systems. May 28, 2020 - May 30, 2020 by Dept. of Electronics and Communication Engineering, Adi Shankara Institute of Engineering and Technology (ASIET), Ernakulam (District), Kerala, India.
- *Dr. Harigovindan V P* delivered an invited talk on "NOMA for 5G and Beyond" at Global Academy of Technology, Bangalore (video conferencing) on 10th June 2020 and also he delivered an invited talk on "NOMA based communication system for 5G and Beyond" at Arasu Engineering College, Kumbakonam (video conferencing) on 11th July 2020.
- *Dr. R. Boopathi Rani*, Assistant Professor, ECE Department has delivered a talk on "Smart Antennas, DoA Estimation" on 20th Feb 2020 during the SPARC Sponsored One Week Workshop on "Metamaterial Antenna Design and Deep Learning Techniques for Modern Wireless Communication" organized by National Institute of Technology Tiruchirappalli.
- *Dr. R. Boopathi Rani*, Assistant Professor, Department of ECE, acted as chief guest for the National Level Technical Symposium "Spectra 20" organized by Shanmuganathan Engineering College, Pudukkottai on 12th March 2020 and delivered talk on "Opportunities for ECE Engineers".
- *Dr. R. Boopathi Rani*, Assistant Professor, Department of ECE, acted as chief guest for the International Conference on Computer Communication & Power Systems organized by Sri Venkateswaraa College of Technology, Sriperumbuthur on 29th May 2020 and delivered talk on "Organization of Research Papers". She also acted as resource person for the webinar organized by Jont Zion college of Engineering and Technology, Pudukkottai on 1st July 2020 and delivered talk on "MIC Components".
- *K. Navin Sam*, Assistant Professor, Department of Electrical and Electronics Engineering, delivered a webinar on "Distributed Power Generation-An Overview" held on 09th May 2020 at SRM TRP Engineering College, Tiruchirappalli, Tamil Nadu State.

Students Accomplishments

- *Nettimi Satya Sai Srinivas*, (Research Scholar, Department of Electronics and Communication Engineering, National Institute of Technology Puducherry Karaikal), was awarded with AWSAR award (Augmenting Writing Skills for Articulating Research) by the Department of Science and Technology (DST), Government of India (GoI), for his science article which got selected as one among the best 118 science articles under Ph.D. category across India for the year 2019.
- *Sweeti Sah*, Research Scholar, Department of Computer Science and Engineering was awarded a cash prize of Rs 4000 on winning the National Level Bootcamp organized by Codegnan, Project Title - "COVID-19 Data Analysis", on 18th July, 2020.
- *Ms. Malavika Mohan*, Final year B.Tech CSE and team comprising 8 members have won First prize in Intercollege Dance Festival Organized by People for Pondicherry's Heritage on 30th January 2020.
- Water colour portrait drawn by *Ms Malavika Mohan* Final year B.Tech CSE was selected by UNESCO and published on its official page for spreading awareness on COVID-19.
- *M. Bhuvan Sundar*, Third Year B.Tech ECE and *V. Vithya*, Second Year B.Tech ECE have secured second prize in Inter Collegiate Quiz Competition organized by District Collectorate of Karaikal in the theme of National Voters Day-2020.
- *Mr. Naveen Sriram* First Year ,B.Tech ECE and *Ms. Malavika Mohan* Final Year B.Tech CSE have bagged First and Second prize in Intercollegiate Drawing competition organized by Pondicherry Aids Control Society (PECS).
- *Mr. Rohith Narayanan*, Second Year, B.Tech, CSE, secured Gold medal in Intercollegiate Classical Music- Vocal solo singing competition organized by Pondicherry Engineering College, with support of Department of Higher and Technical Education- Puducherry, during Puducherry Sports, Games and Cultural Meet 2020.
- *Mr. S. Daniel Johnson*, Second Year, B.Tech, ECE, secured Gold medal in *Ek Bharat Shreshtha Bharat SQAY National Championship* , Zone D on 23rd February 2020 and various gold ,silver and bronze medal in 1st online SQAY state level championship & Tang soo do virtual national championship competitions held on months of June and July 2020.
- *Duggani Keerthana, Malaya Kumar Nath*, "A Technical Review Report on Deep Learning Approach for Skin Cancer Detection and Segmentation", International Conference on Data Analytics and Management (ICDAM-2020), Jan Wyzykowski University, Poland & B.M. Institute of Engineering & Technology, India, 18th June, 2020.
- *Nettimi Satya Sai Srinivas*, Research Associate, Department of ECE, has been awarded with Augmenting Writing Skills for Articulating Research (AWSAR) award 2019, by the Department of Science and Technology (DST), Government of India.
- *R. Sujithra @ Kanmani* , Research Scholar, Department of Computer Science and Engineering has presented a paper titled "Location Based Recommendation System - A review" in IFIP ICCIDS 2020 -3rd International Conference on Computational Intelligence in data Science Organized by the Department of Computer Science and Engineering and Machine learning Research Group, SSN College of Engineering held on February 20 to 22 , 2020
- *Masoom Panda*, Fourth Year B.Tech ECE, was awarded with DAAD scholarship 2020 to do research internship in Germany.
- *Hariviknesh and Jagadheshvar B P*, Fourth Year B.Tech ECE, *S. Ragavaa Prasadh and Sanjeev Krishna*, Fourth Year B.Tech CSE have developed Bare-Brains - a udemy like online video streaming app for lectures in engineering domain for Neso Academy, Uttar Pradesh.
- *V Aman Babu*, Fourth Year B.Tech ECE, has worked in Puducherry-based Start-up Vaahan to design Automatic Swivel Seat which fits into the vehicle smoothly and is easy to use (Patent Pending).
- *Mihira Madhava Bollapragada, N S S Pranathi, Singuru Bhavana and Sreya Sasikumar*, all from Fourth Year B.Tech ECE and *Sai Krishna Muthukuru*, Fourth Year B.Tech CSE have designed and implemented the animatronic hand using the Arduino microcontroller which is controlled using the manual hand movements for GYANITH 2020, NIT Puducherry.
- *G. Rohith*, Research Scholar, Department of ECE, achieved Certification for Various NPTEL Online Certification Course on "Deep Learning, Python for Data Science, Machine Learning & Deep Learning Onramp", held during January-june 2020.
- *Mr. K. Vishnuprasad and Mr. Heartwin J Haveluck* from Second Year B.Tech, Department of Computer Science and Engineering ,have developed a Mobile Application HOPE under SAMADHAN Portal of MHRD addressing a online platform for job opportunities to migrant workers and potential employers.

- *Nettimi Satya Sai Srinivas*, Research Associate, Department of ECE, has attended virtual IEEE 24th International Symposium on VLSI Design and Test (VDAT-2020), organized by the Indian Institute of Technology Bhubaneswar, during July 23-25, 2020, and presented his research article.
- *Praveen Kumar Kasetty*, Research Scholar, Department of ECE, has attended the 11th IEEE International Conference on Computing, Communication and Networking Technologies (ICCCNT), organized by IIT Kharagpur, India, during July 2020, and presented his research article.
- *Mr Raghavan*, working at L&T Chennai, alumni of NITPY (B.Tech. 2011-2015 batch) has donated 100 saplings to our institute to celebrate his 25th birthday.

Conference Publications

- *Lenin Solomon.A, Narendran Rajagopalan*, "Performance Analysis of Various Cryptographic Techniques" International Conference on Automation, Signal Processing, Instrumentation and Control (ICASIC -2010) at VIT Vellore on 27th & 28th February 2020.
- *Bommareddy Lokesh, Narendran Rajagopalan*, "A Blockchain-based security model for SDNs", IEEE-CONECCT 2020 held during July 2-4, 2020.
- *Muppana Mahesh Reddy, R Sujithra Kanmani, Dr.B.Surendiran*, Analysis of Movie Recommendation Systems; with and without considering the low rated movies, 2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE), 2020, P:1-4, IEEE Explore.
- *Devipriya P, and Smrutisikta Mishra*. "Redefining Cultural Paradigms: Mythical Revisionism in Duffy's 'The World's Wife' and Atwood's 'Circe/Mud Poems'" in a Three day International Conference on Cultural Studies at Kerala (26- 28th February 2020)
- *K. Velmurugan, and Smrutisikta Mishra*. "Reading Comprehension Skills for Differently Abled Second Language Learners: A Flipped Model approach" in the International Conference on "Theorising Dis/Ability: Creation and Narration" at Tiruppur on 22-23 January 2020.
- *Liju Kuriakose, and Smrutisikta Mishra*. "Autobiographical Self-fashioning and Communal Histories: A Study of Early Syrian Christian Chronicles in Malayalam" International Conference on Cultural Studies at Kerala (26- 28th February 2020)
- *Nettimi Satya Sai Srinivas, Nagarajan Sujan, Lakshmi Sutha Kumar, Malaya Kumar Nath, and Anirudha Kanhe*, "Digital architecture for instantaneous V/UV/S classification of noise free speech segments", in IEEE 24th International Symposium on VLSI Design and Test (VDAT-2020), Indian Institute of Technology Bhubaneswar, 23-25 July, 2020.
- *Bahubalendruni MR, Varupala VP*. Disassembly Sequence Planning for Safe Disposal of End-of-Life Waste Electric and Electronic Equipment. National Academy Science Letters. 2020 Jul 18:1-5.
- *Uppada, S., Suraparaju, S.K., Bahubalendruni, M.R. and Natarajan, S.K*, "Optimization of Process Parameters in Resistance Spot Welding Using Artificial Immune Algorithm", International conference on Innovative product design and intelligent manufacturing systems, January 2020, [Indexed: Scopus].
- *Jegan M and M.Vadivukkarasan*, "Atomization characteristics of a Porous injector", International Conference on Innovations in Thermo-Fluid Engineering and Sciences [ICITFES - 2020] NIT Rourkela, India, February 2020.
- *M. Anitha, L. S. Kumar*, "Ground based remote sensing of aerosols using AERONET in Indian Region", in IEEE International Conference on Wireless Communications Signal Processing and Networking (WISPNET), SSN College of Engineering, Chennai, August 2020. [Status: Accepted].
- *Pugazhenthii A and L S Kumar*, "Cloud Extraction from INSAT-3D Satellite Image by K-Means and Fuzzy C-Means Clustering Algorithms" International Conference on Systems, Computation, Automation and Networking (ICSCAN 2020), Manakula Vinayagar Institute of Technology, Puducherry, 2020.
- *R Srivatsan, S Badrinath and L. S. Kumar*, "Autonomous chess-playing robotic arm using Raspberry PI", International Conference on Systems, Computation, Automation and Networking (ICSCAN 2020), Manakula Vinayagar Institute of Technology, Puducherry, 2020.
- *G. Rohith, L. S. Kumar*, "Remote sensing signature classification of agriculture detection using deep convolution network models", in Springer International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND2020), Springer CCIS book Series MIND 2020, CCIS 1240, pp. 1-13, National Institute of Technology Silchar, India, June 2020. DOI: <https://doi.org/10.1007/978-981-15-6315-7-28>

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Editorial Team

We take immense pleasure and consider it our proud privilege to work for this successive issue of the Newsletter from the NIT Puducherry's editorial board. We are humbled for having been entrusted with the responsibility to duly plan and bring out this Newsletter. We take this opportunity to express our sincere gratitude to the honourable Director for his endearing encouragement and support. We would like to thank all the HODs, the faculty and staff for providing us with the necessary information and timely help as and when required.



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