NITTR CHENNAI





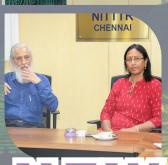












NEWSLETTER



HALF YEARLY

JANUARY - JUNE 2022

NITTTR CHENNAL

NEWSLETTER

Director's Message



Greetings from NITTTR, Chennai.

I am pleased to extend greetings to the readers of volume 5, issue 1 of the NITTTR Chennai Newsletter. Since its establishment in 1964, the National Institute of Technical Teachers Training and Research (NITTTR), Chennai has provided high-quality teacher education by motivating, energizing and building teachers' intellectual and social capacity.

The Institute's academic and socio-cultural events in the first half of 2022 conceptualize a vibrant multidisciplinary institution supporting the Nation's cause for self-reliance and holistic development. Encouraging teachers to rise above the challenges of virtual teaching-learning scenarios and providing counselling support for students struggling to continue their education are the commitments of NITTTR, Chennai. I am happy to be a part of this belief to transform our country's teacher education landscape.

Prof. Dr. Usha Natesan

Director, NITTTR Chennai

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CONFERENCES/ SEMINARS/ WORKSHOPS/WEBINARS

EXAMINATION REFORMS WORKSHOP



In collaboration with the All India Council for Technical Education (AICTE), New Delhi, NITTTR Chennai organized an online Examination Reform workshop from 10.01.2022. to 12.01.2022. This workshop benefited around 360 participants. Emphasizing the need for examination reforms for technical institutes in India, the workshop reiterated this need in the Examination systems. Since examinations or assessments of students play an essential role in deciding the quality of education, participants learnt to prepare questions by mapping the examinations from

Course Outcomes. Faculty members and educational leaders from different technical institutes attended the workshop to acclimate the examination reforms. The workshop advocated the necessity of designing question papers to test engineering students' higher-order abilities and skills. Prof. Dr. Usha Natesan, Director, NITTTR Chennai, delivered the inaugural address to the participants of the AICTE workshop on "Examination Reforms" on 10.01.2022, and Col. B.Venkat, Director, FDC AICTE, presided over the session.



ROLE OF YOUTH IN ABATEMENT OF MARINE PLASTIC FOR HEALTHY OCEAN



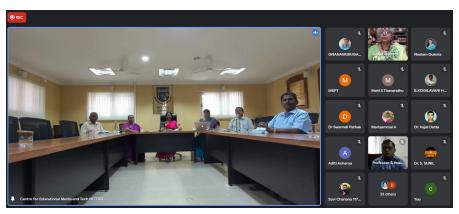


On National Youth Day, NITTTR Chennai conducted a webinar on "Role of Youth in Abatement of Marine Plastic for Healthy Ocean" on 12.01.2022. Dr. M.V. Ramana Murthy, Director, National Centre for Coastal Research, delivered the lecture on the occasion and emphasized on "Say no to plastics" agenda. National Youth Day, also known as Vivekananda Jayanti, is celebrated on 12 January, Swami Vivekananda's birthday. In 1984, the Government of India declared this day National Youth Day, and since 1985, the event has been celebrated in India every year. The webinar inspired and motivated the faculty members, staff and students, especially the youth. Around 500 participants attended it.

INTERNATIONAL WEBINAR ON GENDER DEVELOPMENT THROUGH ENTREPRENEURSHIP

The Department of Engineering Education, NITTTR, Chennai organized an international webinar on "Gender Development through Entrepreneurship" on 08.03.2022 from 10.30 am to 12.00 pm. It was conducted on behalf of the international women's day. The webinar addressed the issue on gender and entrepreneurship to start the conversation on identifying and reaffirming known and new barriers to female-owned business development.







PREVENTION OF SEXUAL HARASSMENT (POSH)

Internal Complaints Committee (ICC) NITTTR, Chennai, organized a webinar on "Prevention of Sexual Harassment (POSH) at Workplace" on 11.04.2022. The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013, is a legislative act in India that seeks to protect women from sexual harassment at their place of work. The Lok Sabha passed it on 03.09. 2012.

ENERGY MANAGEMENT

Department of Mechanical Engineering, NITTTR, Chennai organized a webinar on "Energy Management - Applications and Research Opportunities" on 27.04.2022.



ROBOTICS IN HEALTHCARE



The Department of Electrical, Electronic and Communication Engineering, NITTTR, Chennai, conducted an international webinar on "Robotics in Healthcare" on 29.04.2022. The speaker was Dr. MKA. Ahamed Khan, IEEE RAS, Malaysia Chapter. He emphasized that healthcare organizations globally and regionally are adopting robotic technologies to manage their operations in various fields, including surgery, pharmacy, rehabilitation, telemedicine, and others.

GREEN CAMPUS INITIATIVE

NITTTR Extension Centre, Kalamassery, conducted "Green Campus Initiative" workshop at NITTTR Extension Centre, Kalamassery, Kerala on on 12.04.2022. The green campus concept allows an institution to take the lead in redefining its environmental culture. Green Campus is where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices on the campus.





CURRICULUM REVISION WORKSHOP

NITTTR Extension Centre, Bengaluru, conducted a professional development programme on "Curriculum Revision Workshop" from 19.04.2022 to 29.04.2022.

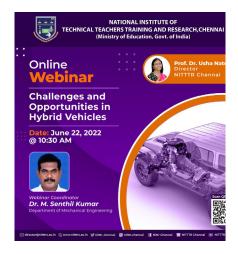
CURRICULUM REVISION WORKSHOP

NITTTR Extension Centre, Bengaluru, conducted Professional Development Programme on "Curriculum Revision Workshop" from 17.05.2022 to 27.05.2022 for the polytechnic teachers of Karnataka. The overall objective of the training programme was to equip teachers with teaching skills essential to pedagogy.



CHALLENGES AND OPPORTUNITIES IN HYBRID VEHICLES

Department of Mechanical Engineering, NITTTR, Chennai, conducted a webinar on "Challenges and opportunities in Hybrid Vehicles" on 22.06.2022.



ENERGY HEALING FOR WELL BEING

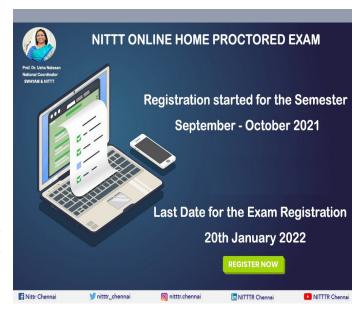


NITTTR, Chennai, conducted a webinar on "Energy Healing for Well-Being" on 21.06.2022. Energy healing can improve our sleep, reduce anxiety, manage chronic pain, alleviate depression, reduce fatigue, enable clarity of thought, and improve energy levels and motivation.

TRAINING PROGRAMMES

NITTT REGISTRATION COMMENCED

Registration for the National Initiative for Technical Teacher Training (NITTT) online home-proctored exam for the eight modules started on 05.01.2022. It concluded on 20.01.2022 for the September-October 2021 semester. The exams were scheduled for 12th, 13th, 19th, and 20th of February 2022. The NITTT prescribed eight modules available on the SWAYAM Platform to be mandatorily completed for Assistant Professors/Lecturers who have joined AICTE-approved institutes after 01.03.2014. These eight modules, categorized as Stage-I, Stage-II and Stage-III modules are under preparation for Assistant Professors with experience of 5 years or more as of 01.03.2019, Associate Professors and Professors.



AICTE-ISTE SPONSORED INDUCTION/ REFRESHER PROGRAM



The AICTE-ISTE-sponsored training program titled 'Arduino and Raspberry Pi Programming' was conducted from 31.01.2022 to 05.02.2022. The resource persons were an equal balance of industrial experts and academics. Dr G.A. Rathy Anand, Professor of the Department of Electrical Electronics and Communication Engineering, NITTTR Chennai, was the training program coordinator. The focus was on programming the Arduino using Raspberry Pi.

TRAINING COURSE IN UAV GEOSPATIAL TECHNOLOGY



NITTTR Chennai empowered technical professionals with drone technology. Marching towards the flying zone, the participants' curiosity to experience controlling the crewless aerial vehicle was compelling. Their learning about the different types and components of drones was evident. The training focused on the nuances in UAV geospatial technology and ground-based controller systems.

TRAINING OF TRAINERS PROGRAM - ELECTRICIAN TRADE







Prof. Dr. Usha Natesan, Director, NITTTR Chennai delivered the valedictory address and distributed certificates to the participants of "Training of Trainers Program -Electrician Trade" at Nachimuthu Polytechnic College, Pollachi on 23.03.2022.

REFRESHER COURSE IN EEE



Prof. Dr. Usha Natesan, Director, NITTTR addressed the participants of the Professional Development programme on "Refresher Course in EEE" for the teachers of Polytechnics in Andhra Pradesh on 04. 04.2022.





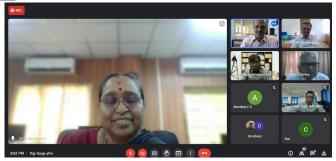
EMERGING PEDAGOGICAL & HEUTAGOGICAL PRACTICES

NITTTR, Chennai conducted a professional development programme on "Emerging Pedagogical and Heutagogical Practices" for the polytechnic teachers of Andhra Pradesh through contact mode from 25.04.2022 to 06.05.2022. This programme provided a basis for discussion and research into heutagogy approaches.



STUDENT ASSESSMENT AND EVALUATION





Dr. S. Renukadevi, Prof. of Engg. Education and Head of CASR, NITTTR delivered the valedictory address to the participants of the online training programme on "Student Assessment and Evaluation on 08.04.2022. Around 40 faculty members of Indian Maritime University attended this programme.

TRAINING ON ENVIRONMENTAL SCIENCE





NITTTR, Chennai, conducted "Training on Environmental Science" and activity-based learning, empowering teachers to restrict their talking-head lecture-based instructions. Lots of fun and deliberation were the highlights of this training program that was conducted on 13.04.2022.

INDUCTION FOR NEWLY RECRUITED TEACHERS





NITTTR Extension Centre, Vijayawada, conducted a professional development programme on "Induction for Newly Recruited Teachers" at Sri Venkateswara Polytechnic College, Srikakulam from 18.04.2022 to 29.04.2022.

MATLAB & VERILOG PROGRAMMING





NITTTR, Chennai, conducted a professional development programme on "MATLAB & Verilog Programming" from 18.04.2022 to 29.04.2022.

FASHION DESIGNING AND GARMENT MANUFACTURING

The NITTTR Extension Center at Kalamassery conducted a professional development program on "Fashion Designing and Garment Manufacturing" from 09.05.2022 to 13.05.2022. The coordinator of this program was V.A. Shamsudeen. The program aimed to develop professional competencies and employability skills in design and technology.



MODERN TRENDS IN SPORTS



NITTTR, Chennai, conducted a Professional Development Programme on "Modern Trends in Sports" from 09.05.2022 to 29.05.2022. The Sports Industry is one of the fastest growing domains, and as the industry grows, so does its surrounding technology. There has been a paradigm shift in the advancement of technology, and here in this course, the core theme was understanding the top trends that have shaped the sports industry.

EMERGING PEDAGOGICAL AND HEUTAGOGICAL PRACTICES



Prof. Dr. Usha Natesan, Director, NITTTR, Chennai, delivered the valedictory address to the participants of "Emerging Pedagogical and Heutagogical Practices" for the polytechnic teachers of Andhra Pradesh on 06.05.2022.

INDUCTION FOR NEWLY RECRUITED TEACHERS

NITTTR Extension Centre, Vijayawada, conducted a professional development programme on "Induction for Newly Recruited Teacher" for the polytechnic teachers of Andhra Pradesh from 09.05.2022 to 20.05.2022 at GVRS College of Engineering and Technology, Etukuru.



INDUSTRIAL AUTOMATION



NITTTR Extension Centre, Bengaluru, conducted a Professional Development Programme on "Industrial Automation" from 09.05.2022 to 13.05.2022 for the polytechnic teachers of Karnataka. This programme received huge appreciation because Industrial automation has recently found more acceptance from various industries because of its vast benefits, such as increased productivity, quality, and safety at low costs.

NBA ACCREDITATION PROCEDURES







NITTTR, Chennai, conducted the NBA Accreditation Procedures Training Programme for the faculty members of NSUT, Delhi on 09.05.2022 to 11.05.2022. The focus of the three-day training programme was to prepare and analyse the SAR.

ADVANCES IN MANUFACTURING





Prof. Dr. Usha Natesan, Director, NITTTR, Chennai, delivered the valedictory address to the participants of "Advances in Manufacturing" on 20.05.2022. About 50 participants attended and enriched their skills.

DESIGN OF RCC AND STEEL STRUCTURES

Prof. Dr. Usha Natesan, Director, NITTTR, Chennai, delivered the valedictory address to the participants of the professional development programme on "Design of RCC and Steel Structures" for the polytechnic teachers of Andhra Pradesh on 27.05.2022.





BIM USING REVIT



NITTTR, Chennai conducted Professional Development Programme on "BIM using REVIT" at NITTTR, Chennai from 27.06.2022 to 01.07.2022. Dr R. Santhakumar was the coordinator of this program. The training program engaged participants on the importance of REVIT in structuring engineering. REVIT is one of the BIM softwares to create BIM-based models, combining the architectural design, structural engineering design and MEP models for coordination.

PROFESSIONAL DEVELOPMENT PROGRAMMES



Dr E.S.M. Suresh, Professor of Civil Engineering and Head of the Dept. of Engineering Education, NITTTR Chennai, delivered the valedictory address to online and offline professional development programme on 03.06.2022.

NBA ACCREDITATION PROCEDURES







NITTTR, Chennai, trained the faculty members of Delhi Technological University, New Delhi, on "NBA Accreditation Procedures" from 06.06.2022 to 08.06.2022.

CAREER AND PROFESSIONAL SKILLS

NITTTR, Chennai, conducted a special programme on "Career and Professional Skills" at NITTTR, Chennai, from 27.06.2022 to 29.06.2022. We all need a variety of professional development skills, knowledge of our subject matter and experience to be effective in our working environment.



FOSS IN CIVIL ENGINEERING



NITTTR, Chennai trained the polytechnic teachers of Andhra Pradesh on "FOSS (Free and Open-Source Software) in Civil Engineering" on 27.06.2022.

NBA ACCREDITATION PROCEDURES





NITTTR, Chennai, trained the faculty members of Netaji Subhas University of Technology, New Delhi on "NBA Accreditation Procedures" on 06.06.2022 to 08.06.2022.

OVERSEAS TRAINING PROGRAMMES

E-ITEC PROGRAMS FOR SRI LANKAN OFFICIALS



NITTTR, Chennai organized e-ITEC programs for Sri Lankan officials from 14.03.2022 to 28.03.2022. These programs were conducted for enhancing leadership skills and managerial skills of school heads on design of educational applications using web technologies and IT tools for effective administration. Indian High Commission from Colombo officiated the session.

TRAINING OF TRAINERS PROGRAM (TOT)





NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, Chennai (NITTTR), COLOMBO PLAN STAFF COLLEGE, PHILIPPINES (CPSE) AND LABTECH International Ltd., USA organized ToT program on Automotive Technology Using Virtual TVET from 21.03.2022 to 24.03.2022 ToT programs aim to provide training, assessment, and certification to an eligible set of trainers, and this online in-country program was a great success as national and international trainers attended this meeting.

E-ITEC PROGRAM



Ms. Akim Shrestha, Former Executive Director of TITI, Nepal, delivered the talk on e-ITEC program on "Technical and Vocational Education and Training (TVER) for Administrators" for officials of Sri Lanka on 08. 04. 2022.



NATIONAL DAYS CELEBRATIONS

REPUBLIC DAY CELEBRATION

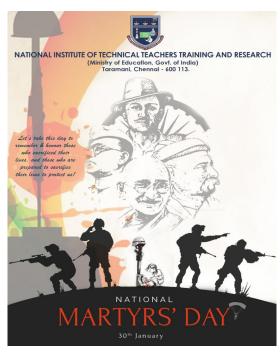


India's 73rd Republic Day was celebrated in its solemnity and grandeur at NITTR Chennai on 26.01.2021. Republic Day celebration event symbolized the country's sovereign, socialist, secular, and democratic republic characteristics that assure equality and liberty to all citizens. Prof. Dr. Usha Natesan, Director, NITTR Chennai, unfurled the Tricolor on the Institute premises and delivered a Republic Day speech emphasizing the sovereignty of the Nation and the significance of NITTR Chennai's contribution to teachers' professional development.



NATIONAL MARTYRS' DAY

NITTTR, Chennai, celebrated 30th January as Shaheed Diwas in memory of Mahatma Gandhi and all patriots who laid down their lives for the country's independence. This year, India will commemorate the 74th death anniversary of Mohandas Karamchand Gandhi, popularly known as Mahatma Gandhi. The Director, Prof. Dr. Usha Natesan, faculty members, staff and students of the Institute respected the fallen independence heroes by observing two minutes of silence at 11 am on this day to remember their martyrdom.



INTERNATIONAL MOTHER LANGUAGE DAY

Languages are the most potent instruments for preserving and developing our tangible and intangible heritage. All moves to promote the dissemination of mother tongues will serve to encourage linguistic diversity and multilingual education. International Mother Language Day is a worldwide annual observance held on 21st February to promote awareness of linguistic and cultural diversity and multilingualism. NITTTR Chennai celebrated the day to develop greater awareness of linguistic and cultural traditions and to inspire solidarity based on understanding, tolerance and dialogue.



INTERNATIONAL WOMEN'S DAY

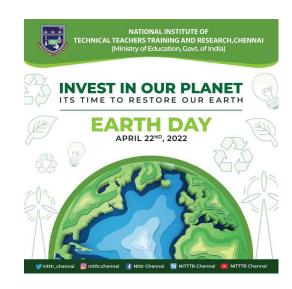


NITTTR, Chennai celebrated International Women's Day on 08.03.2022. International Women's Day is a day to celebrate the social, economic, and political achievements of women, reflect on progress and demand gender equality. For over a hundred years, International Women's Day has put the spotlight on issues affecting women all over the world. Now, International Women's Day belongs to everyone who believes that women's rights are human rights.

The Department of Engineering Education, NITTTR, Chennai organized an international webinar on "Gender Development through Entrepreneurship" on 08.03. 2022 from 10.30 am to 12.00 pm. It was conducted on the occasion of international women's day.

EARTH DAY

NITTTR, Chennai, observed Earth Day on 22.04.2022. Earth Day is an annual celebration that honours the achievements of the environmental movement and raises awareness of the need to protect Earth's natural resources for future generations. The first Earth Day was observed on 22.04.1970.



WORLD ENVIRONMENT DAY



NITTTR, Chennai, observed World Environment Day on 05.06.2022, to raise awareness and promote action towards environmental conservation and sustainability. By organizing a clean-up event to help beautify the surroundings of the campus, the Institute's efforts to make a difference when it comes to protecting the environment was motivational to the staff.

INTERNATIONAL YOGA DAY

NITTTR, Chennai, celebrated the 8th International Day of Yoga on 21.06.2022. The theme for this year's Yoga Day was 'Yoga for Humanity'. On 27.09.2014, during his speech at the UN General Assembly, Prime Minister Narendra Modi put forth his suggestion for the observance of a 'Yoga Day'. A record 177 member states then endorsed the draft resolution proposed by India. The first International Day of Yoga was observed worldwide on 21.06.2015.

During his speech at the UNGA, Prime Minister Narendra Modi said, "Yoga is an invaluable gift of India's ancient tradition. It embodies unity of mind and body; thought and action; restraint and fulfilment; harmony between man and nature; a holistic approach to health and wellbeing.



It is not about exercise but discovering the sense of oneness with yourself, the world, and nature. Changing our lifestyle and creating consciousness can help in wellbeing. Let us work towards adopting an International Yoga Day."

MASS DEMONSTRATION OF YOGA



LECTURE CUM DEMONSTRATION ON YOGA AND WELLNESS



As part of the celebration of the 8th International Day of Yoga, NITTTR Chennai conducted a Lecture cum Demonstration on Yoga and wellness. Dr Jothi Dayanandan demonstrated and educated the importance of Yoga

INSTITUTE INFRASTRUCTURE DEVELOPMENT/ GREEN CAMPUS

INAUGURATION OF YOGA HALL





Inauguration of Yoga Hall at Swami Vivekananda Block, NITTTR, Chennai

VIP VISIT

HON'BLE VICE PRESIDENT OF INDIA, NITTTR CHENNAI VISIT



The Vice President, Shri M. Venkaiah Naidu, inaugurated the Sports Centre at NITTTR Chennai on 14.02.2022. Being a fine badminton player himself, he appreciated the state-of-the-art sports facility. The Hon'ble Vice President of India planted a sapling on the campus to commemorate his maiden visit to the Institute. In his presidential address to the function, the Vice President highlighted the importance of a teacher training institute for developing a Nation like India.













AICTE CHAIRMAN'S VISIT





Prof. Anil. D. Sahasrabudhe, Chairman, AlCTE visited NITTTR, Chennai and interacted with the faculty members on 22.04.2022. AlCTE is a national-level Apex Advisory Body to survey the facilities available for technical education.

LECTURE ON "INNOVATION"





Dr Sebastian Lourdudoss, Emeritus Professor, KTH Royal Institute of Technology, Sweden, visited NITTTR Chennai and delivered an eloquent and engaging lecture on "Innovation" on 29.06.2022.

NITTTR KOLKATA DIRECTOR'S VISIT



It was a pleasure to welcome Prof. Debi Prasad Misra, Director, NITTTR, Kolkatta, to the AR-VR Lab of NITTTR, Chennai.

MoUs

MEMORANDUM OF UNDERSTANDING



MoU WITH SAKURA GSR

On 27.01.2022, NITTTR Chennai and Sakura Geoinformation Software Research Pvt Ltd (GSR)entered into a memorandum of understanding (MoU) to explore viable opportunities in Skill Development, Education and R&D Services in the fields of -UAV, Satellite, Total Station, Remote Sensing and GIS and Drone Technology.

MEMORANDUM OF UNDERSTANDING



Mou with muthayammal engineering college

NITTTR Chennai and Muthayammal Engineering College, Rasipuram entered a memorandum of understanding for Academic Cooperation and Research Collaboration. This MoU helps to foster faculty development and collaborative scholarship among the two higher education institutions. The agreement was not simply an individual-level linking of researchers but a carefully planned, well-organized and institutionally backed effort to bring about international partnerships, academic connections, and research collaborations between NITTTR and MoU.

MOU WITH SRI SAIRAM ENGINEERING COLLEGE



NITTTR, Chennai inks MOU with Sri Sairam Engineering College, Chennai for Academic Cooperation and Research Collaboration on 25.03.2022.

MOU WITH SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

NITTTR, Chennai inks MoU with SRM Institute of Science & Technology, Ramapuram, Chennai on 07.04.2022. NITTTR, Chennai, and SRM Institute of Science and Technology, Ramapuram, have shown a convergence of will for Academic and Research Cooperation.



MoU WITH IES UNIVERSITY



NITTTR, Chennai inks MoU with IES University, Bhopal, Madhya Pradesh for Academic Cooperation and Research Collaboration on 07.04.2022.

MOU WITH RADIANT INSTITUTE OF TECHNOLOGY



NITTTR, Chennai, signs an agreement with the Radiant Institute of Technology (RTI), Hyderabad. The proposal for Industry Based skill-oriented Training programmes between NITTTR, Chennai and Jaypee Group, Noida, highlighted the synergy.

MoU WITH CONSTRUCTION MANAGEMENT TRAINING INSTITUTE



NITTTR, Chennai and Construction Management Training Institute (CMTI), Bangalore, have entered a memorandum of understanding (MoU). The convergence between NITTTR, Chennai and CMTI, Bangalore, indicates an intended standard line of action to offer Industrial Training Programmes.

MoU WITH JAYPEE GROUP OF INSTITUTIONS





NITTTR, Chennai, signed an MoU with Jaypee Group of institutions, Noida). The collaboration between NITTTR, Chennai and Jaypee Group of institutions, Noida, reflects a willingness to walk the talk in taking action for Academic Cooperation and Research Collaboration.

MoU WITH CHENNAI INSTITUTE OF TECHNOLOGY

NITTTR, Chennai, signed an MoU with Chennai Institute of Technology on 01.06.2022. Both NITTTR, Chennai and Chennai Institute of Technology have demonstrated a strong commitment to academic and research collaboration.





MOU WITH ANNA UNIVERSITY

NITTTR, Chennai, inks an MoU with Anna University, Chennai, for Academic Cooperation and Research Collaboration in June 2022.

MoU WITH HINDUSTAN GROUP INSTITUTIONS

An MoU has been signed between Hindustan Group institutions and NITTTR, Chennai. The Institute and the Hindustan Group of Institutions have demonstrated a joint initiative to cooperate in academic and research areas, related to technical education.



Mou with JSS Polytechnic

NITTTR, Chennai inks MoU on 03.06.2022 with JSS Polytechnic for the Differently Abled (JSSPDA), Mysuru, to empower the PWD students through academic and research collaboration.



MoU WITH KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY



NITTTR, Chennai, inks MoU with Kamaraj College of Engineering and Technology, Virudhunagar, for Academic Cooperation and Research Collaboration.

NITTTR CHENNAI ON SOCIAL MEDIA

























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