

Udantah



A quarterly published news letter of NIT Agartala

From the Director's Desk.

NIT Agartala, one of the 31 NITs of the country, is an institute of national importance. The institute is ranked within 100 top technical institutions of the country in NIRF ranking for the last five consecutive years. In this year 2022, the institute secured 80th position among the engineering institutes in India as revealed by NIRF ranking system, Ministry of Education. There are 9 (nine) branches in B. Tech. Level, 23 (twenty three) specializations in Engineering at Master's Level and 4 branches in Dual Degree Level. The institute also offers MBA, MCA, M. Sc. and Doctoral Programs. The institute has seen an excellent growth in its infrastructure & academic activities in recent years. The institute is also equipped with high-end laboratories that ensure an opportunity for the students to work independently. Beside this, the institute conducts various awareness programs and other activities throughout the year. Because of its overall performances, the institute has now established

MOU with IIT Hyderabad.

NIT Agartala has signed a Memorandum of Understanding (MoU) with IIT Hyderabad on 21st June, 2022 to strengthen the academics and research work in science & technology. Prof H. K. Sharma, Director, NIT Agartala expressed the need of the hour to share knowledge of joint research activities efficiently for the benefit of the students and faculty



A wink to NIT Agartala from the eyes of the Director.

itself on a platform of technological excellence in a very short period of time.

NIT Agartala has signed MoUs with several Institutions of National and International repute. The institute has established Institute Innovation and Startup as a flagship program which is in line with the National Innovation Policy and Startup initiative. The institute is committed to bring research & innovation at the forefront, therefore efforts have been made to establish incubation centre, SDTC etc.

The newsletter, Udantah provides

updates and information regarding various activities, events and achievements of the institute. It will also provide relevant information to all the stakeholders about the institutions, teachers and students. I am confident that, the institute will expand to the new heights of excellence in the years to come with the rigorous efforts of all the stakeholders. In this regard, the newsletter Udantah will play a pivotal role to strengthen the relations with stakeholders.

members. both the institutes have agreed to jointly conduct conference, workshop, short term courses, access to laboratory, library and other supporting facilities. Now, B Tech students of NIT Agartala can directly enter the PhD program at IIT Hyderabad. This MOU will support the innovation, skill development, and entrepreneurship activities too.



NIT Agartala Signed MoU with IIT Hyderabad on 21st June, 2022

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Special points of interest:

- MOU
- NIRF Ranking
- ISRO STIC Centre
- IIC & Startup Centre
- Faculty Achievements
- Sophisticated Library
- YOGA Day
- Super Computing facility

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Celebration of International YOGA Day on 21st June, 2022

- NIT Agartala and IIIT Agartala jointly celebrated the 8th International Yoga Day-2022 on 21st June 2022 at ABV Sports Complex NIT Agartala. The programme was inaugurated by Prof. B.S Murty, Director, IIT Hyderabad along with Prof. H.K Sharma, Director, NIT Agartala. In the inaugural session, the Prof. B. S Murty addressed to all the participants about the various importance of yoga which helps us build a strong physical, mental and spiritual health. In this auspicious occasion, Prof.B.S Murthy, Director, IIT Hyderabad and Prof. H.K Sharma, Director, NIT Agartala inaugurated one dedicated Yoga centre in the ABV sports complex for all the students of NITA and IIITA for practicing of Yoga and meditation. The Yoga practice ses-

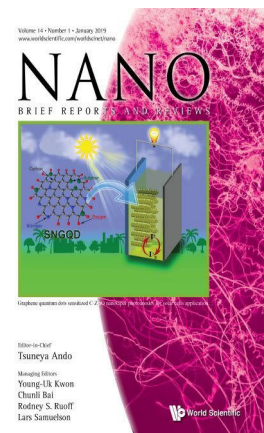
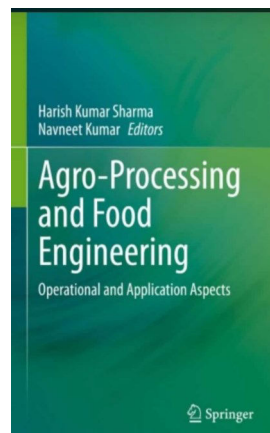


sion was demonstrated by Mr. Anupam Pal, Sports Officer NIT Agartala. All the Faculty members, staff and students of this Institute actively participated in the Yoga day

Event. In this connection one competition will be held among staffs and students of NITA and IIITA on 5th July 2022 as the closing ceremony of the Yoga session. The events are coordinated by Dr. Sukanta Goswami, Physical Education Officer of NIT Agartala.

Book & Journal Papers

The textbook entitled, *Agro-Processing and Food Engineering: Operational and Application Aspects* (publisher Springer, March 2022) is edited by Prof. Harish Kumar Sharma, Director, NIT Agartala and Dr. Navneet Kumar, Associate Professor & Head (Process & Food Engg. Deptt.) at CAET, Anand Agricultural University, Godhra, Gujarat. The book covers the syllabus related to agro-processing and food engineering both at the undergraduate and postgraduate level in various universities, agricultural universities, allied institutes, and colleges across the country as well the globe. The chapters cover many relevant topics such as material handling, drying, size reduction process, mixing and forming, cleaning and separation, storage, and processing of cereals, pulses, oilseeds, fruit and vegetables, and their products. This handbook is extremely beneficial to the students, technicians, academicians, and researchers working in the area of Agro-processing, Food Engineering, Agricultural Process Engineering, Food Technology, and allied fields.



Total more than 40 Journals papers are published by various Dept of NIT Agartala.

Webinars & Workshops

- Gyanabati Khurajam as Coordinator – organized 6 day Workshop on Personality Development and Interview Skills during 13-18 June, 2022.
- Tarun Kanti Bandyopadhyay, Attending an online webinar on 4th March 2022, Lovraj Kumar Memorial Trust is organising the LKMT Conclave on “Energy Storage (Battery & Hydrogen)” in association with Federation of Indian Petroleum Industry (FIPI) and Indian Institute of Chemical Engineers (Northern Regional Centre).
- IEI Technical Webinar on “Environment Health & Safety”
- Workshop conducted on CeNSE DBT Nano-biotechnology Alliance (C-DNA), organized by Centre for Nano Science and Engineering (CeNSE), Indian Institute of Science, Bangalore, 23rd to 25th May, 2022.



One Day Seminar on ‘Power Converters and Drives for Electrical Vehicles’

Interactive sessions

- Ministry of Electronics & IT has celebrated the Digital India Program. To celebrate the unprecedented digital transformation of India, a Digital Mahotsav is held from July 4 - 9, 2022. According to this information, PhD scholars under Visvesvaraya PhD Scheme has to showcase their exceptional research work on 4th July 2022 at Gandhinagar which was visited by the Honourable Prime Minister of India. Mrs. Koyel Datta Purakayastha, A PhD Scholar under Visvesvaraya PhD Scheme, NIT Agartala, was invited to present her research work in front of our Honourable Prime Minister of India.
- Dr. Subhadeep Bhattacharjee, Associate Professor in Electrical Engineering, NIT Agartala, acted as a Panel Judge for 5th Students Project Program organized by Tripura State Council for Science & Technology for the Students of the Institutes of Higher & Technical Education of Tripura during March 04-05, 2022 at Pragna Bhawan, Agartala on the theme "Promotion of Clean and Green Technology for Sustainable Development".



Mrs. Koyel Datta Purakayastha, A PhD Scholar under Visvesvaraya PhD Scheme, NIT Agartala, was invited to present her research work in front of our Honourable Prime Minister of India.

Various Programs

- The Department of Management, Humanities & Social Sciences (MHSS) organizes "Corporate Lecture Series", for MBA students, where different experts are invited from Industry to share their experiences.
- Dr. Subhadeep Bhattacharjee, Associate Professor, Department of Electrical Engineering, National Institute of Technology, Agartala organized One Day Seminar on 'Power Converters and Drives for Electrical Vehicles' as the Convener which was held on 04/04/2022. The programme was jointly organised by Dept. of Electrical Engineering, NIT Agartala and the IEI, Tripura State Centre.
- On 17-3-22 under DBT Star College Scheme, sponsored by Department of Biotechnology, Government of India, New Delhi; honours students of different semester of Women's College, Agartala have visited Department of Chemistry, NIT, Agartala to gather more knowledge on practical grounds about Chemistry. In this regards I have attached some photos on interactive sessions.

For a successful technology, reality must take precedence over public relations, for Nature cannot be fooled.

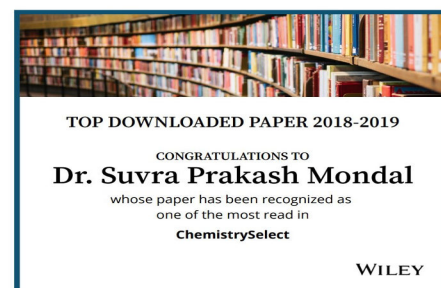
Richard P. Feynman

Renowned Conferences

- Jayanta Chakraborti, Anirban Dutta and Biplab Bhattacharya "Determining the Adoption of Digital Marketing among Start-up Companies in India: A PLS-SEM Approach Using TAM-TOE Model" in the 12th Conference on Excellence in Research and Education (CERE), held from 3rd -5th June 2022 at IIM Indore.
- AtriMajumder and Gyanabati Khuraijam, "Social Media had no Memory: Fabricated and Mediated Identities in Salman Rushdie's Quichotte," Paper presented in the International Symposium on Mapping Memory in the wake of Posthuman: India and Canada held during 25-26 March 2022, organized by School of Humanities, Social Sciences & Management, IIT Bhubaneswar.

"Failure will never overtake me if my determination to succeed is strong enough."

Dr. APJ Abdul Kalam



The papers of Dr. Suvra prakash Mondal have achieved the tag of "Top downloaded Paper 2018-2019".

Outreach Program

- Dr. Subhadeep Bhattacharjee, Associate Professor in Electrical Engineering, NIT Agartala, acted as a Panel Judge for 5th Students Project Program organized by Tripura State Council for Science & Technology for the Students of the Institutes of Higher & Technical Education of Tripura during March 04-05, 2022 at Pragna Bhawan, Agartala on the theme “Promotion of Clean and Green Technology for Sustainable Development”. The programme was graced by the Hon’ble Deputy Chief Minister of Tripura, Vice Chancellor, Maharaja Bir Bikram University, Principal Secretary of the Higher Education, Director, Science, Technology & Environment, Govt of Tripura and other dignitaries.



the conference hall of Tripura State Electricity Corporation Ltd. , Agartala.

2nd CR Bhattacharya Memorial Lecture on 17/03/2022 at

Faculty as Keynotes speaker

- Dr. Anuradha Nongmaithem has a delivered lecture as a Resource Person on the topic, “A Kaleidoscopic Regional Feminist Perspective of Manipur” on 17/5/2022 in the UGC-Sponsored Online Refresher Course in English Language & Literature. The program was conducted for the University and College Teachers during the period 12-25 May, 2022 at Bharathidasan University, Tamil Nadu.
- Dr. Apu Kumar Saha, Associate Professor, Department of Mathematics, NIT Agartala has delivered two number of invited lecture at Choudhury Charan Singh University, Meerut and Netaji Subhash Mahavidyalaya, Udaipur, Tripura
- Dr. Amlanbrata Chakraborty, Assistant Professor, from HMSS dept. has been shared his valuable experience as an eminent speaker in FDP at Techno College of Engineering Agartala,

- Anirban Dutta, Session delivered as resource person in AICTE approved five days FDP on “Social Entrepreneurship” from 10th-14th June 2022 organized by NIT Mizoram, India.
- Dr. Subhadeep Bhattacharjee, Associate Professor, Department of Electrical Engineering, NIT Agartala has delivered an invited talk and presentation on the occasion of Workshop on 20.04.2022 at NIT Agartala in connection with Oil and Gas Conservation Mass Awareness Campaign on the theme: Azadi Ka Amrit Mahotsav through Green and Clean Energy which was jointly organized by ONGC, Tripura Asset and NIT Agartala.
- Dr. Subhadeep Bhattacharjee, Associate Professor in Electrical Engineering, NIT Agartala delivered an Invited Talk on ‘Electric Vehicle – A Smart Option for Clean Environment’ as a Special Speaker on the occasion of 2nd CR Bhattacharya Memorial Lecture on 17.03.2022 at the Conference Hall of Tripura State Electricity Corporation Ltd, Agartala.
- Dr. Mitali Saha, Associate Professor and Head, Department of Chemistry, NIT Agartala

la was invited as Guest of Honour for the celebration of National Science Day-2022 at Regional Institute of Pharmaceutical Science and Technology (RIPSAT), Agartala on 28-02-2022, where she delivered a lecture on “Integrated Approach in Science and Technology for Sustainable Future”.

• Dr. Mitali Saha, Associate Professor and Head, Department of Chemistry, NIT, Agartala was invited by Woman’s College, Agartala under DBT Star College Scheme, Government of India, New Delhi on 08-03-2022, where she delivered a popular talk on “Carbon to Nanocarbon and Graphene”.

• Kalyan Gayen, Platform Chemicals from Waste Biomass: Biochemical Engineering Perspectives, 24 - 25 March 2022, Conference on Biotechnological Innovations in Agriculture,

It's not that I'm so smart, it's just that I stay with problems longer.
- Albert Einstein.

Funded projects

- A project proposal named “Solving Multiple Gravity Assist Spacecraft Trajectories Optimization problem by Metaheuristic Algorithms “ has been approved at a total cost of approx Rs.2,20,000/anum under the supervision of Dr. Apu Kumar Saha, Dept of Mathematics , NIT Agartala in collaboration with SERB, New Delhi.
- A project proposal has been approved at a total cost of Rs.16,86,000/- for a period of two years under the supervision of Dr.Mitali Saha, Dept of Chemistry, NIT Agartala in collaboration with Central Power Research Institute (CPRI), Bangalore.
- Project Title: Edible coating from waste biomass for increasing shelf-life periods of fruits and vegetables.
- Funded By: Defence Research & Development Organisation, Govt. of India.
- PI- Dr. Tridib Kumar BhowmicCo-PI- Dr. Kalyan Gayen
Rs. 65.43 Lakhs for Three yrs.
- A project proposal named “Mathematical studies by means of numerical simulation of some interacting populations with ecological behavior “ has been approved at a total cost of approx Rs.15.31Lakh under the supervision of Dr. Paritosh Bhattacharya, Dept of Mathematics , NIT Agartala.



A project proposal has been approved at a total cost of approx Rs.2,20,000/anum under the supervision of Dr.Apu Kumar Saha, Dept of Mathematics .

News & Events

- Professor R. K. Mishra, Department of Mathematics, SLIET- Deemed University visited Mathematics Department on 27.05.2022 and interacted with faculty members and research scholars of the Mathematics Department .
- Six number of 7 days training pogram was organized by Math-



ematics Department under DST—STUTI project.

- Development of cancer pathway (Hypothalamic estrogen receptors inhibition leading to ovarian cancer) in AOP wiki by Kalyan Gayen and Tridib Kumar Bhaowmick.
- Link: <https://aopwiki.org/aops/440>

Remarkable Achievements

- Dr. Paritosh Bhattacharya, Associate Professor, Department of Mathematics, NIT Agartala, was awarded for the INSA visiting scientist program for FY 2022-2023.
- Anuradha Nongmaithem, “Gender Equality! How far-fetched is it? Dreaming? Can we accomplish? How?”, edited by- Shubhra Jamwal & R. S. Regin Silvest in the book, *Gender & Socio-Culture: A Study*. Publisher: Island Publishers, Tamil Nadu, India (E-ISBN : 978-93-93333-36-0)
- One of the best achievements of the EIE Department is that Dr. Jayanta Kumar Rakshit, Assistant Professor, featured among the world's top 2% of scientists list recently released by Stanford University.
- In Department of Chemical Engineering out of 47 B. Tech final year students 44 student is placed in various renowned

company.



Dr. Jayanta Kumar Rakshit Assistant Professor, featured among the world's top 2% of scientists list released by Stanford University.

Media Page.

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Udantali is a newsletter published by NIT Agartala. It paves a role to showcase the major events, activities and achievements of the Institute. This newsletter will provide avenue to increase a better understanding and knowledge of our institute.

Institute Innovation Council and Startup

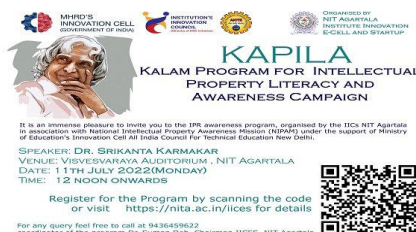


Institute innovation Council and startup cell Extend its helping hand toward the Indian defense system.

Innovation council and startup cell of the Institute not only contributing itself to development of the socio economic condition of the state but also take various initiative toward the country's security measures. As a startup initiative we have developed a **"Multi – Sensor Multi – Logic- Breath analyzer and Alcohol Tester"** for Indian Army .

Kalam Program for IP literacy and Awareness (KAPILA)

In this program **Dr. Srikanta Karmakar** give a crystal clear brief description about Patent filing concepts, Procedure , fee structure, Various organization that are



responsible for patent approval, GI tag, designing etc that helping lot in the field of research , innovation & commercialization of an Intellectual property.

Out of the box thinking for problem solving.

In this workshop **Prof. V. Kamakoti, Director, IIT Madras** discussed various problem solving methods of the modern era. As we know that the days ahead become more challenging with modern Technology and Innovative ideas. So to overcome this type of challenging environment this seminar was given a remarkable footprint and helped us to grab success.

A virtual mega entrepreneurship boot camp focused on 'Social Entrepreneurship' Ignite '21



A glance on our dedicated Social media Page.



<https://www.facebook.com/nit.agartala.501>

