Smart India Hackathon – 2019 to begin on Saturday

TRICHY: National Institute of Technology (NIT) Trichy is one among 48 nodal centres in the country to host Smart India Hackathon – 2019 starting Saturday. Smart India Hackathon is a nationwide initiative of the ministry of human resource development (MHRD) to engage technology savvy students to come up with innovative and feasible solutions to industry-related problems. NIT-Trichy will host eight problem statements formulated by Cognizant Technology Solutions (CTS) and Chennai District Small Scale Industries Association (CDISSIA). The winning team will get a cash prize of Rs 1 lakh each. A total 32 teams with 121 boys and 77 girls from various institutions across the country together with their mentors will work in the areas of waste management, healthcare and biomedical devices, robotics and drones, agriculture and rural development. The hackathon will see the participation of over a lakh student from across the country forming 1,400 teams with eight students each. The student are expected to develop software applications like live school that provides free world class education, mobile application that is GST – compliant to benefit MSMEs besides an app that provides real-time vital health data to ensure health and longevity. The industry will get multiple solutions for a single problem and they can implement the simplest and feasible solution from the young minds, said NIT Trichy director Mini Shaji Thomas. Such hackathons would also pave way for students to collaborate with industry in further developing their ideas to the next level, she said.
NIT earmarks land, buildings for ISRO incubation centre

₹2 crore to be allocated for creating necessary facilities

SPECIAL CORRESPONDENT
TIRUCHI

Indian Space Research Organisation (ISRO) has specified its requirements to the National Institute of Technology - Tiruchi (NIT-T) for establishing its Space Technology Incubation Centre (S-TIC).

The decision to establish one of its six centres in Tiruchi was conveyed by its Chairman N. Sivan earlier this year while addressing the Graduation Day of St. Joseph’s College.

The S-TICs are mandated with the task of providing projects of importance to the ongoing and futuristic programmes of ISRO for research, post graduate and under graduate students. The products will be validated in the existing facilities of ISRO.

“We have set apart land and buildings in the campus to start the S-TIC. The ISRO gave us a list of requirements and we have communicated back,” NIT-T Director Mini Shaji Thomas said.

The ISRO will allocate ₹2 crore to the NIT-T to build necessary facilities for the incubation centre to promote start-ups and give thrust to innovations and research in space technologies.

The start-ups will be enabled to develop prototypes of components in space systems in partnership with the industry. ISRO will evaluate these prototypes and buy them depending upon their worthiness.

The first S-TIC for northeastern region was inaugurated last year at National Institute of Technology - Agartala. Four other S-TICs are to be established in Jalandhar, Bhubaneswar, Nagpur, Indore. ISRO has chosen the locations based on the presence of strong academic institutions and industry, and has offered to provide the necessary mentorship and guidance to individuals and businesses at the incubation centres.
Smart India Hackathon from today

For 36 hours from Saturday morning, 32 eight-member teams will work non-stop at the National Institute of Technology-Tiruchi, the venue of Smart India Hackathon 2019 – Software Edition, to find solutions to eight problem statements: six given by Cognizant Technology Solutions and two by Chennai District Small Scale Industries Association.

The teams from technology institutions across the country will work in the areas of waste management, healthcare and biomedical devices, robotics and drones, agriculture, and rural development, NIT-T Director Mini Shaji Thomas told media persons on Friday. The competing teams are expected to develop software applications such as Live School that provides free world-class education, mobile application that is GST-compliant to benefit MSMEs, a self-learning BOT (refers to web robot) with deep learning capabilities, besides an App that provides real-time vital health data to ensure health and longevity.

The teams will go through three rounds of judging by experts drawn from academic institutions and industry. The winning team in each of the themes will be awarded prize money of Rs. 1 lakh, Prof. Mini Thomas said.

The nation-wide event envisaging encouraging solutions for 350 problem statements from students has been designed to bring industry and institutions closer, she said. The grand finale involving participation of 1,300 teams comprising 1.5 lakh students at 48 nodal centres across the country will be launched by the Minister for Human Resources Development Prakash Javadekar. The NIT-T has the ideal innovation ecosystem to conduct the event, the NIT-T Director said, referring to the second prize won by the NIT-T team at the Indo-Singapore Hackathon 2018, last November. The Nanyang Technological University and MHRD's Innovation Cell had organised the Singapore-India Hackathon-2018 under the theme ‘Solution for Humanity.’

The NIT-T team had won a cash award of 6,000 Singapore Dollars for building an effective learning platform based on crowd sourcing and live chat for expert interaction in an Neuro-Linguistic Processing engine. The learning platform can tag topics to summarise the concepts in the form of mind maps and give recommendations for pre-requisites and related topics with links to resources.

Four teams from NIT-T are taking part in the Smart India Hackathon 2019 - Software Edition, at institutions in Dehradun, Jalandhar, Jaipur and Panipat.
NIT gears up for role in Defence Corridor project

NIT TIRUCHY may take up consulting work for Ordnance Factory Tiruchy (OFT) and the Armed forces to contribute to the Defence Corridor initiative, according to the institute's director, Mini Shaji Thomas. She was addressing reporters as she announced the Smart India Hackathon to be held at NIT-Tiruchy from Saturday.

Speaking about NIT’s Defence Corridor activities, she said a few rounds of meetings have been held with IIT Madras and PSG College in Coimbatore. The three educational and research institutions were expected to lend their expertise for the Defence Corridor in Tamil Nadu. An Indian Navy official has been appointed nodal officer. “They have already visited the institution to check on infrastructural capabilities to take on the challenges,” Thomas said.

On future projects, she said, “With OFT next door, we hope to collaborate on design and validation of some of their products.” She also spoke about the new Entrepreneurship for Engineers course to be introduced in NIT Tiruchy and on how the recently introduced Intellectual Property Rights (IPR) course was attracting students.

Taking a question on accommodating the 25 per cent increase in intake of students next year with 10 per cent reservation for economically weaker sections, Thomas said, “There are sufficient class-rooms.” She said NIT Tiruchy is working to provide the required lodging facilities. A new ladies’ hostel is under construction and more are in the pipeline.

Smart India Hackathon will attract students from all over the country working towards solving real world industrial (software) problems. NIT Tiruchy was chosen to be one of the venues to host this event, with more than 1,300 eight-member teams participating nationwide.

A release from the institute said applications for Live School that provides free world-class education, GST-compatible mobile applications for MSMEs, self-learning SBTs to provide real-time vital health information among others would make the problem statements for the students.
NIT-Trichy among 48 nodal centres to host Smart India hackathon

National Institute of technology (NIT) Trichy will host smart India hackathon – 2019 software edition starting from Saturday – and will become one among the 48-nodal centre in the country to do so. The programme is a nationwide initiative by Ministry of human resource development (MHRD) to engage technology savvy students to come up with innovative and feasible solution to industry related problems. NIT Trichy will host eight problem statements formulated by Cognizant Technology Solutions (CTS) and Chennai district small scale industries association (CDISSIA). The winning team from each of the themes will be awarded prize of Rs 1 lakh. A total of 32 teams consisting of 121 boys and 77 girls from various institutions across the country will take part in the hackathon. They will work on the areas of waste management, healthcare and biomedical devices, robotics and drones, agriculture and rural development under the guidance of their mentors. Students from NIT Trichy will be in Dehradun, Jaipur, Panipat and Jamshedpur taking part in the hackathon. The hackathon will see the participation of over a lakh student from across the country forming 1,400 teams having eight students each. Student are expected to develop software applications like live school that provides free world class education, mobile application that is GST – compliant to benefit MSMEs besides an app that provides real-time vital health data to ensure health and longevity. “India is leading in terms of software industry and problems are equally high. In educational institutions, students do project works and researchers carry out research but without any coordination with the industry. Such hackathon is the outcome of efforts to identify problems from industry, especially software industry and engaged students in finding solutions,” said NIT director Mini Shaji Thomas. The industry will get multiple solutions for a single problem and they could implement the simplest and feasible solution from young minds, the director said. Reducing the gap between industry and academia, such hackathons would pave way for students to collaborate with industry in further developing their ideas to the next level, she said.

Institute to launch programme on entrepreneurship for engineers

National Institute of Technology (NIT) Trichy is planning to launch an elective programme on ‘Entrepreneurship for engineers’ in July, with the institution receiving an expression of interest from the Navy to be part of the venture. NIT director Mini Shaji Thomas said that a set of alumni put forward the idea and one of its main aspects would be handled by a few of the alumni entrepreneurs. Though the key objective is to pique students’ interest in entrepreneurship, they would be made to work on a project on the same, she said. Stating the Navy was keen on adding their inputs to the new course, the director said the curriculum framing is under way with the expertise from alumni. A course on intellectual property rights (IPR) last year is popular with students, she said adding the patent filing too has increased manifold in the past 18 months. A total of 50 patents have been filed, of which two have been given approval. The process of patent filing gained momentum after the start of a dedicated IPR cell. The Navy has appointed a nodal officer to collaborate with institutions and she had a meeting with vice-admiral ranked officer last week, Mini said. “We have chalked out a few programmes including the defence corridor to work in future,” the director said. Asked about NIT’s role in the defence corridor project, she said that three institutions in Tamil Nadu including NIT Trichy are part of the project and NIT Trichy is collaborating with PSG College of Technology to work on a set of problems that would be given by defence ministry. “Besides, we have already collaborated with Ordinance Factory Trichy (OFT) on designing and validation of some of their components, she said.
Smart India hackathon finals begin at NIT-T

DC CORRESPONDENT
TIRUCHY, MARCH 2

The National Institute of Technology, Tiruchirappalli (NIT-T), one of the nodal centres selected by the Ministry of Human Resource Development (MHRD), is hosting the two-day grand finale of ‘Smart India Hackathon (SIH2019) Software Edition’ on Saturday and Sunday here.

A NIT-T release said that the event is the world’s biggest open Innovation model, software competition and is a part of a nationwide initiative of the MHRD to involve the brains trust of the nation, the technology-savvy students, to come up with innovative and feasible solutions to industry-related problems.

Dr Mini Shaji Thomas, director of NIT-T, flanked by other dignitaries lighting the kuthuvilakku to mark the inauguration of the 36 hours grand finale of ‘Smart India Hackathon (SIH2019) Software Edition’ at NIT-T on Saturday.

This is the third edition of the Hackathon initiated by MHRD to unveil the unique expertise of the young minds of India. This year’s edition has more than 1,300 teams (eight members per team) racing against the clock, in 48 different centres in India, to come up with practical solutions in under 36 hours, it added.

The release said that the NIT-T is hosting eight problem statements provided by the Cognizant Technology Solutions (CTS) and Chennai District Small Scale Industries Association (CDSSIA).

The exuberant 32 teams encompassing 131 boys and 77 girls from various institutions across the country along with two mentors representing each institute, are participating in the Grand finale hosted in NIT-T. The Grand finale was inaugurated by the chief guest Mr. S. P. Jayanthan, regional director Temenos India Pvt. Ltd. Chennai, in the presence of Dr Mini Shaji Thomas, director of NIT-T, dean (SW), Dr Samson Mathew, Dr Bhaskar, Mr. Raman Narasimhan, vice president, CTS and Mr Abhijeet Khandagale, MHRD Representative, Dr. Anand Deshpande, chairman and MD, Persistent Systems, Higher Education Secretary, Subramaniam and other.

The Union HRD minister Prakash Javadekar, addressed the nodal centres and the student teams, after inaugurating the event through video conferencing, the release added.
Hackthon for real-time industrial fixes at NIT

EXPRESSION NEWS SERVICE @ Tiruchy

WITH 32 teams of eight students each coding real-time to fix problems in waste management, healthcare, robotics, agriculture, education and finance; the grand finale of Smart India Hackathon kicked off at the NIT on Saturday.

Human Resource Minister Prakash Javdekar inaugurated the event through video conferencing Jaipur. He said only innovation could bring about development and asked for the students to help the nation flourish. The event hosts 1,300 teams at different institutions like NIT-Tiruchy.

At Tiruchy, 32 teams from various parts of the country took on problems provided by Cognizant Technology Solutions and Chennai District Small Scale Industries Association, six from the former and two from the latter.

The problems demanded software solutions for on-demand waste collection segregation service, tracking health, building self-learning bots, identifying optimum harvest time for cash crops, recycling and donating goods, educating students remotely, GST compatibility for MSME and employee salary management. They carried cash prizes of ₹50,000-₹1 lakh.

Four teams from the NIT have made it to the finale and were participating in venues elsewhere. Very few institutions have four or more students qualified for the finale.

The event was inaugurated by SP Jayanthan of TEMENOS India. Cognizant’s Raman Narasimhan, and ministry representative Abhijeet Khandagale were also among the present.
Hackathon ends

Tiruchy: A nationwide Hackathon that started at 8.25 a.m on Saturday ended around 5 p.m on Sunday. NIT-Tiruchy was one of the 48 nodal centres to host the event. A total of 32 teams of 8 students each participated. An address by Prime Minister Modi through video conference and yoga sessions were among the highlights. 

ENS

Mon, 04 March
Seven solutions emerge at NIT-Tiruchy hackathon

R. VALAYAPATHY, DC
TIRUCHY, MARCH 5

As many as seven solutions were arrived at the 'Grand Finale' of the two-day Smart India Hackathon (SIHH2019) Software Edition, which concluded at National Institute of Technology, Tiruchirappalli (NIT-T) one of the nodal centres selected by Union HRD ministry to host the event, here on Sunday.

A NIT-T release said here on Tuesday that there were 31 vibrant teams and 25 enthusiastic mentors who brainstormed and cracked eight problem statements for 36 continuous hours. All the participants comprising 114 boys and 58 girls were exuberant and energetic during the course of the event.

The valediction ceremony was held in the presence of Raman Narasimhan, vice-president, Cognizant, Dr Mini Shaji Thomas, director, NIT-T and Dr Samson Mathew, dean, Students Welfare, NIT-T.

In his valedictory address, Raman Narasimhan, emphasized on the insightful scale of the assigned problem statements and the impact in finding a credible solution that would contribute to the development of the nation.

In her presidential address, Prof. Mini Shaji Thomas, pointed out that she was thankful to all the members involved in the event for making all the necessary arrangements even at short notice.

The following teams were the winners for their seven solutions:

Team 'FitGit1.0' from Delhi Technological University, New Delhi working on 'Longevity', Team 'Ghoul Coders', Government College of Engineering, Amravati, on 'Waste Management', Team 'Technology's' from Indira Gandhi Delhi Technical University for Women, New Delhi on 'Live School for World-class Free Education', Team 'Hacking Bad' from Bharatiya Vidya Bhavan's Sardar Patel Institute of Technology, Maharashtra, on 'Solid Waste Waste Management cost', Team 'Scorpions X' from Sri Manakula Vinayagar Engineering College, Puducherry on 'Avoid Cash Crop Loss', Team 'Apeiron' from Lakshmi Narain College of Technology, Madhya Pradesh, on Mobile App - software development for GST, Team 'Coders United' from Thadomal Shahani Engineering College, Maharashtra on 'Software platform for managing payment transactions of Employee', the release added.
NIT-T holds orientation programme on assistive devices for visually challenged

SPECIAL CORRESPONDENT
TIRUCHI

Visually challenged students and teachers from across the State were imparted basic knowledge of modern assistive devices during a three-day programme held at National Institute of Technology - Tiruchi.

The 52 participants, most of them students, besides a few teachers, a librarian and a railway staff, benefited from the residential training programme on use of laptops, smartphones, various associated shortcut keys, basic android accessibility settings, talkback feature and text to speech feature.

The participants of the programme, conducted in association with NIEPVD (National Institute for Empowerment of Persons with Visual Disabilities) under Ministry of Social Justice and empowerment, were also oriented on Apps such as 'Eye D Pro', 'Be my eyes', that was developed to help the visually impaired (VI) to connect with sighted volunteers for visual assistance.

They were apprised of the legal provisions on access to information and assistive devices under RPD (Rights of Persons with Disabilities) Act, various assistive features available for the visually impaired in banking services and Unified Payment Interface, ease of usage of e-commerce services and Apps of transport aggregators, online shopping and food delivery.

The resource persons also highlighted the utility of online digital libraries.

Mobility tech

The training programme concluded with a brief explanation on the modern technologies used for mobility like smart canes, and navigation Apps.

The trainers who were visually challenged are Jagjothi Voluntary Reader's Circle for the Visually Impaired, Audio and Braille section, District central library, Tiruchi.

A large number of student volunteers of Pupil for Pupil Committee (PPC), the social outreach arm of the post-graduate students of NITT, took the lead in organising the programme.

Faculty Advisor Sheeba said the objective was to integrate and enhance the impact of the social outreach initiative of the Institute.

Bakthavatsalam, Professor, who led the NITT volunteers, said such a programme for students with special needs was organised for the fourth year in a row.

Tagore, Research Officer, NIEPVD, lauded the NITT students for creating more than 1,000 audiobooks in the repository of Trichy district library.

NIT-T Director Mini Shaji Thomas said digital assistive aids had infused confidence and competency in visually challenged people.
Vision impaired get training on using smart phones, apps

EXPRESS NEWS SERVICE @Tiruchy

NIT Tiruchy hosted a three day training program for around 52 visually impaired persons from various parts of Tamil Nadu in association with NIEPVD (National Institute for Empowerment of Persons with Visual Disabilities) under Ministry of Social Justice and empowerment. The workshop introduced members to using basic facilities in laptops and smart phones. This included accessing of settings, simple programs, turning on assistance features that already exists on most device like talk back, text-to-speech. Apps like ‘Eye D Pro’, ‘Be my eyes’, that was developed to help the visually impaired (VI) to connect with sighted volunteers for assistance was used by the volunteers who trained the people. The participants were also trained on using these softwares as well. The trainers, visually impaired themselves were from Jagajothi Voluntary Reader’s Circle for the Visually Impaired, Audio and Braille section, District central library, Tiruchy.
Festive spirit pervades NIT-T campus

SPECIAL CORRESPONDENT
TIRUCHI

Students of National Institute of Technology - Tiruchi (NIT-T), the melting pot of Indian culture, swayed to Tamil folklore while witnessing a VILLUPATTU, the first event of NITTFEST’19, the inter-departmental festival, on Saturday.

And then, there was Dramatics performed by teams from eight departments, taking viewers on a magical journey of varying emotions through their wonderful stories. The judges, Aravind R. Vyas and Pranav Dwarkanath, had a difficult time choosing the winners.

Act-a-thon required students to act spontaneously on the informal stage. There was also the spotlight on Qawwali that spurred students into coming out with energetic performances.

On the second day, too, the event began with culturally-rich Koothambalam, a street play where participants were allowed to use instruments and songs relating to folk culture.

Needless to say, the classical solo event mesmerized the audience, which was also drenched in melodies of solo instrumental classic and solo vocal western performances that followed.

Nukkad Naatak, a street play in Hindi that took place near the informal stage in front of barn hall attracted a large crowd.

There were a lot of exciting informal events on the informal stage by the marketing team, like Hogathon and lucky draw by red taxi. The last event on the second day was the Battle of Bands at the barn hall that had the largest number of 12 participating teams.

According to the organising team, NITTFEST symbolised the institute’s philosophy of development of individuals reflecting in a tribute to creative genius in each Nititian.

The inter-departmental cultural festival was inaugurated by cine director Lakshmy Ramakrishnan in the presence of NIT-T Director Mini Shaji Thomas.

The chief guest shared her inspiring experiences.
Top academics to address NIT-T ‘Pragyan’ meet

Tiruchy: The 25th edition of four-day Pragyan will open at the National Institute of technology Tiruchy (NIT-T) on March 14, with seven clusters, according to Prof Mini Shaji Thomas, director, NIT-T. Dr Mini told newsmen here on Tuesday that several events including Pragyan Main quiz and Biz quiz cater to the interest of quizzers. 18 workshops, taught by industry leaders such as ISRO, Microsoft, HP and Avira education, will expand the participants’ understanding of the industry today, she added. Eminent personalities like Dr Spyridon “Spiros” Michalakis, a quantum physicist and staff researcher at Caltech, Montek Singh Ahluwalia, a renowned economist and former deputy chairman of the erstwhile Planning Commission of India and Dr Frederick J. Raab, the LIGO associate director of Observatory Operations are some of the top speakers who will be gracing Pragyan, she said.
‘Spectrum’ is theme of Pragyan’19

‘Spectrum’ signifying various facets of technology and myriad management strategies, is the theme of Pragyan’19, an ISO-certified techno-managerial festival pioneered by students of National Institute of Technology-Tiruchi. A footfall of 6,000 school and college students is expected during the four-day festival beginning on March 14. Indian Space Research Organisation, National Instruments, Microsoft, HP, Anvira Education and several other organisations will equip students with knowledge of the latest in the world of technology. Pepper, a robot with emotional intelligence and Slow Dance Frame, which appears to make objects move in slow motion, figure among the exhibits depicting cutting-edge technology. School and college students can visit the exhibition from 10 a.m., Director of NIT-T Mini Shaji Thomas said. There will be workshops on several topics including Image Processing of Satellite Data and Building Design and Technology.

Lecture series Talks by Spyridon “Spiros” Michalakis, a quantum physicist and staff researcher at CalTech; Montek Singh Ahuluwalia, Deputy Chairman of the erstwhile Planning Commission of India; and Frederick J. Raab, Ligo Associate Director of Observatory Operations, constitute the highlight of Pragyan Guest Lecture series, organisers said. There are participants from 60 countries for online events and the array of events spans seven clusters. Sangam, an intra-college hardware hackathon, and Ingenium, an exclusive event for students of other colleges to exhibit their technological prowess, will symbolise celebration of innovative spirit.

Light artist Ramod Malaka, feet puppeteer Anne Klinge and bubbleologist Graham Maxwell are among the infotainment artistes to visit the campus. Pragyan is also associating with Human Library Hyderabad to conduct a Human Library with a collection of 13 interesting books in which the authors have challenged the stigmas of society through their lifestyle choices, beliefs and accomplishments.
Montek, CIT physicist among NIT’s Pragyan 2019 guest lecturers

TNN | Mar 13, 2019, 04.54 AM IST

TRICHY: Former deputy chairman of erstwhile planning commission of India Montek Singh Ahluvalia and renowned quantum physicist Spyridon Michalakis from California Institute of Technology will be part of the 15th edition of Pragyan – 2019, an annual international techno-management festival at NIT Trichy, starting from Thursday.

They are among the six personalities who will be part of the popular guest lecture series of this years’ Pragyan. Open source humanoid robots from Sweden will also be exhibited at the four-day festival. NIT Trichy director Mini Shaji Thomas said that the institute would be open for students to visit various research facilities on the campus. Participants from 60 countries will be part of the student-run organisation.

“Spectrum is the theme of this year’s Pragyan. The four-day festival will expose everyone to facets of technology in development along with the myriad management strategies that are being employed presently,” said the director.

This year several clusters of events and 18 workshops have been added by bringing together the best organisations in their domains including ISRO, National Instruments, Microsoft, HP and Anvira Education to provide students a practical experience of the latest in the world of technology.

“With workshops ranging from image processing of satellite data to building design and technology, the workshops at Pragyan will surely do justice to its theme,” said Samson Mathew, dean of students welfare.

“Sangam is an intra college hardware hackathon while Ingenium is for students of other colleges. Both these competitions will provide students the platform they need to showcase their technological prowess,” he said.

“We hope the workshop will let all the participants know what is the latest in technology and where they should focus on,” said Mini Shaji Thomas.
NIT Trichy – Pragyan 2019 Inauguration

The inauguration ceremony of Pragyan, NIT Trichy 2019 took place on the 14th of March 2019, from 6:30 PM to 8:00 PM. The chief guest for the evening was Padma Shri M.Y.S. Prasad, former director of the Satish Dhawan Space Centre. The guest of honour for the evening was Mr. Kesavan G, Head of supply chain management, Power, Transmission and Distribution at Larsen and Toubro.

The ceremony began in an auspicious manner, with a prayer song and the lighting of the lamp. This was followed by the welcome address by the Staff Advisor of Pragyan 2019, Dr. Rajeswari Sridhar. Next, Mukesh, the Chairperson of Pragyan, NIT Trichy 2019, took the stage to inform the audience of the story of Pragyan 2019 so far, with a speech titled ‘Pragyan at a glance’, following which the Dean of Students Welfare, Dr. Samson Mathew, delivered his address to the students. The Director of NIT Trichy, Prof. Mini Shaji Thomas then delivered the presidential address, highlighting everything Pragyan 2019 has to offer, giving special emphasis to Sangam and Ingenium, competitions aimed at fostering product development and entrepreneurship.

The chief guest for the evening was Padma Shri M.Y.S. Prasad, former director of the Satish Dhawan Space Centre delivered his inaugural address on highlighting the steps taken across the globe in the mission to Mars. He ended his insightful keynote by encouraging the students to reinvigorate the scientific temper of the country. In his inauguration address, he spoke at length about the mission to Mars. He spoke briefly about the solar system and discussed the journey to Mars. He justified the effort and time taken for a Mars mission by noting the possibility of discovering extra-terrestrial life in Mars in addition to helping us decide conditions for our own colonies. The keynote went into great detail regarding the Mars missions across the globe in U.S.A, Russia, India, and China. The talk enclosed details from the initial framework for Mars exploration (starting from 1975 in USA) to recent successful endeavours like the Curiosity rover. He highlighted the challenges faced in space exploration and hoped for innovative solutions from the young minds present. He ended his insightful keynote by encouraging the students to reinvigorate the scientific temper of the country.
Quotes

“When India speaks in a world conference of space, the world listens”

Next, the Guest of Honour, Mr. Kesavan G took the stage to deliver a speech and expressed his best wishes for Pragyan 2019. The speeches were followed by the Memento distribution. The event concluded with the vote of thanks by the Overall Coordinator, Mr. J.M. Kabinesh.

This year’s edition of Pragyan, NIT Trichy is scheduled to take place between the 14th to 17th of March, 2019. The inauguration ceremony will be graced by the presence of Padma Shri M.Y.S Prasad, who will be the chief guest for the evening.

In line with our theme, Spectrum, Pragyan presents to you an array of exhibitions involving PepperBot, the humanoid robot capable of recognising the principal human emotions along with informative workshops on, augmented reality, IoT prototyping and deep learning.

Pragyan 2019, also presents a distinguished class of eminent speakers for the Guest Lecture Series including Dr Spyridon Michalakis, quantum physicist and staff researcher at CalTech, and the scientific consultant for Marvel Studios. Dr. Montek Singh Ahluwalia, former Deputy Chairman of the Erstwhile Planning Commission of India, Dr Crystal Dilworth, science communicator and advocate on Gender equity and diversity in STEM among many others. This year’s crossfire topic of “Do we have the right to free speech or just compliant speech?” promises to be eye-opening and enlightening in so many ways.

Pragyan 2019 also plays hosts to a lineup of internationally acclaimed infotainment artists like Graham Maxwell from UK, Yanika Beliza from Spain, Ramod Malaka from Sri Lanka, and a whole lot more. The world’s largest human library conducted by a student-run organisation acts as the perfect feather in the cap of this amazing celebration.
‘Human colonies on Mars could be a possibility’

EXPRESS NEWS SERVICE @Trichy

IN the future, we may have to live there,” said MYS Prasad, former director of the Satish Dhawan Space Centre said pointing up (to the Mars), speaking at the inauguration of Pragyan, NIT’s inter-collegiate event, on Thursday.

Prasad justified the time and efforts taken by some best of the minds on Earth to explore space, Mars in particular. He said that the possibility of exploring Mars for life once existed and could pave way for exploring the possibility of creating colonies for earthlings on the red planet.

“Today the travel (to Mars) may take 9 months and 10 months to return, in the future it may be just one month,” said Prasad. He spoke of possible advantages of life in Mars if made possible can provide.

The senior scientist shared the latest developments in the Mangalyan mission and the tests that are being done in Mars and how the results can be interpreted. The lecture briefed on attempts on ventures to Mars spanning from the 1975 to recent insertion of probes by the Curiosity rover just weeks back into the Mars’s surface.

Kesavan G, Head of supply chain management, Power, Transmission and Distribution at Larsen and Toubro and Mini Shaji Thomas, Director of NIT Trichy were present.
Students urged to find innovative solutions to challenges in space

Trichy: Encouraging students to reinvigorate scientific temper of the country, M Y S Prasad, former director of the Satish Dhawan Space Centre, highlighted the challenges faced in space exploration and hoped for innovative solutions from the young minds. Addressing the crowd after inaugurating Pragyan – 2019, the four-day long techno-managerial festival at National Institute of Technology (NIT) Trichy, Padma Shri awardee and chief guest at the event, Prasad talked about the steps taken across the globe in the mission to Mars. Justifying the effort and time taken by the country for Mars mission, he noted the possibility of discovering extra-terrestrial life on Mars in addition to helping us decide conditions for our own colonies. He gave details on Mars missions across the globe in U.S.A, Russia, India, and China and talked about the initial framework for Mars exploration starting from 1975 in USA to recent successful endeavours like the Curiosity rover. The guest of honour for the evening was Kesavan G, head of supply chain management, power, transmission and distribution at Larsen and Toubro.

Director of NIT Trichy, Mini Shaji Thomas highlighted what Pragyan 2019 has to offer by giving special emphasis to Sangam and Ingenium, competitions aimed at fostering product development and entrepreneurship.

In line with the theme—Spectrum—Pragyan-2019 will present an array of exhibitions involving PepperBot, the humanoid robot capable of recognizing the principal human emotions along with informative workshops on augmented reality, IoT prototyping and deep learning.

Pragyan-2019 also plays hosts to a line-up of internationally acclaimed infotainment artists like Graham Maxwell from UK, Yanika Beliza from Spain and Ramod Malaka from Sri Lanka.
Montek highlights critical aspects of state planning

DC CORRESPONDENT
TIRUCHY, MARCH 15

Former Deputy Chairman of the Planning Commission, Dr Montek Singh Ahluwalia stressed on four key aspects of slogans, targets, programmes, and policy in the context of planning and governance. He cited certain instances of how governments identify targets and move forward to implement policies for the same.

Mr. Ahluwalia made this observations while delivering a guest lecture at the second day event of the four-day ongoing 'Pragyan' celebrations at the National Institute of Technology-Tiruchy (NIT-T) here on Friday.

He also pointed out that current state of healthcare and education and addressed them from the reforms perspective.

M.Y.S. Prasad, former director of the Satish Dhawan Space Centre inaugurated the event on Thursday night in the presence of Mr. Kesavan G, Head of supply chain management, Power, Transmission and Distribution at Larsen and Toubro.

In her presidential address, Prof. Mini Shaji Thomas, director of the NIT-T highlighted everything that 'Pragyan 2019' has to offer; giving special emphasis to competitions that are aimed at fostering product development and entrepreneurship.

16th MARCH 2019
Economic growth with social inclusion imperative: Montek

**Emphasises on health, education**

Targets, programmes and policies pertaining to economic growth is what people should look for in public debates of political parties, rather than rating their slogans alone, Montek Singh Ahluwalia, former Deputy Chairman of the erstwhile Planning Commission of India, said on Friday.

Social inclusion through emphasis on education and health ought to be an essential component of economic growth. While utility of investment on education is a long-time prospect, the focus on health will reflect in a short-term benefit of stronger workforce that is required for achieving economic growth, Mr. Ahluwalia said.

He was delivering a guest lecture on ‘Future prospects of economy’ at National Institute of Technology - Tiruchi (NIT-T) as part of Pragyan ‘19, the annual techno-management festival.
Referring to the NDA government making a lower estimate of the growth rate recorded during the UPA regime, Mr. Ahluwalia observed that the path to achieving the Rs. 10 trillion GDP target by 2032 necessitated a better year-on-year growth than the current level of 7.5%. Agricultural growth of 4%, for instance, would not augur well for the country where the sector accounting for 17% of the GDP supported 47% of the population.

Only by reducing dependency on agriculture through provision of alternative employment can the set targets be achieved meaningfully, he explained.

Future economic growth will be determined by the country's inherent strength, the state of the world, effective management of macro economy and the state of the policies.

There are signs of downslide in the economies of the USA, European Union, China, Russia and Middle-East for the next two to three years, Mr. Ahluwalia said, reflecting on the state of the world.

On macro-economic management, he said the trend of 6% fiscal deficit every year was a hindrance for economic progress. The extent of fiscal deficit will be more if the State budgets are factored in. To bridge the deficit, hard decisions on matters such as disinvestment of public sector undertakings and cutting down of subsidies would become essential.

There were also views that rigid labour law was an obstacle for increasing quantum of workforce. There was also a compulsion to integrate technology progress into the nation's growth. Notwithstanding apprehensions that technology adoption will lead to loss of jobs, the country cannot grow in isolation from the rest of the world. The challenge is in creating a nimble economy factoring in these aspects, he said.

Earlier, Dr. Ahluwalia inaugurated a new training and placement facility christened ‘Capstone’ in the presence of Director of NIT-T Mini Shaji Thomas.
Some farmers must be moved to other sectors to resolve farm distress: Montek

Deputy chairman of erstwhile planning commission of India, Montek Singh Ahluwalia, on Friday, said that viable solution for agriculture distress is possible only by pulling a certain section of people out of agriculture activities and providing them with productive employment in non-agriculture sectors.

Delivering chief guest address as part of guest lecture series during Pragyan-2019 at NIT Trichy, he said it will not be possible to address agrarian distress if growth rate is not accelerated beyond 8%.

Agriculture constitutes for 33% of gross domestic product (GDP) but 47% of the population is engaged in it. The per capita GDP of the country is growing at 6.3% per year and agriculture is growing at the rate of only 4%, he added.

Therefore, agriculture productivity cannot be expected to grow at the rate of per capita GDP unless numbers of people engaged in agriculture are pulled out. But the government needs to take responsibility of providing jobs to them, he said.

When political parties say that they want to resolve farmer distress and generate employment, they must be asked about the target rate of growth that is necessary for this purpose. Very few political campaigns focus on how the budget will be balanced when all the programmes are taken into account, he said.

With inherent strength, Indian economy can achieve 8% growth by good macro-economic management and policy, he said. He said that if money should be spent on educating children, it must be through rolling out public sector schools.
DECCAN Chronicle

New director for InfoTech Institute takes charge

Tiruchy: Dr N V S N Sarma on Saturday assumed office as the director of Indian Institute of Information Technology, Tiruchy (III-T), which is presently functioning in the National Institute of Technology, Tiruchy (NIT-T) campus near here. Dr Mini Shaji Thomas, director NIT-T who is the mentor-director of III-T for more than two years, formally handed over the charge to Dr Sarma at a brief ceremony.

Dr Sarma obtained his bachelor degree in Engineering with specialization in Electronics and Communications Engineering from JNTU College of Engineering, Kakinada, in 1984. His master’s and doctoral degrees are from Indian Institute of Technology, Kharagpur, in the years 1985 and 1992 respectively.

He has been with the Department of Electronics and Communications Engineering at NIT, Warangal, in various positions since 1990. —DC
The six-day national seminar on "Women in Science & Technology: Breaking the Glass Ceiling," sponsored by the National Commission for Women and organised by the Women's cell and Technical Education and Quality Improvement Program (TEQIP-III) start-up cell of the National Institute of Technology Tiruchirappalli (NIT-T), began here on Monday.

Prof. Mini Shaji Thomas, director, NIT-T in her presidential address, stressed the need for women in science and technology to identify barriers and difficulties in order to overcome them.

Prof. K.M. Meera Sherriffa Begum, chairperson of the Internal Complaints Committee, in her address pointed out that the object of the seminar is to provide a platform for deliberations to identify ways to improve women's participation in science, mathematics, and technical education.

Inaugurating the seminar, Prof Lillykutty Jacob, department of ECE, NIT Calicut, pointed out the importance of women's presence in policy making and the need to address women's issues at both macro and micro levels.

Dr Crystal Dilworth, California Institute of Technology- a multi-faceted molecular nuclear scientist who was the guest of honour, observed that women have the burden of amplifying their voice and perspectives in a patriarchal system.

A positive change could be achieved only through women's presence in positions of power so that they could make strategic decisions, she said.

Dr. K.N. Sheeba, a member of the start-up cell, welcomed the gathering while Dr. Nisha Radhakrishman, a start-up cell member, proposed the vote of thanks.
National Seminar on Women in Science and Technology Valedictory

The formal session of the concluding day of the seminar was handled by Dr. Mini Shaji Thomas, the director of NIT Tiruchirappalli. The director's lecture titled "Wake up, Grab the Opportunities" turned out to be an inspirational one for the delegates as she recounted her success story of surviving all odds and becoming a woman leader. Being the only woman director in among the 32 NITs in India, Dr. Thomas spoke at length on the fact that women need to work much harder than men in order to succeed. Citing her own experience of simultaneously handling personal and professional duties and responsibilities (as a mother, teacher, and administrator among other roles) she observed that women need to fix their priorities. According to Dr. Thomas, it is important for women to be visible and innovative in their profession to be a role model for others. The director concluded her lecture by reminding the delegates that "Wake up, grab the opportunities" was her success mantra.

In the following session which started at 11.30 a.m., Ms. Sashi Sairaman, CEO, MTAB Technology Centre Chennai, gave a lecture on women's challenges in the corporate world. Ms. Sairaman began her lecture by noting that women work under tremendous pressure in the corporate world. Though the corporate world is far more accommodative for women compared to mainstream society, there is an urgent need to develop an ecosystem for them to work comfortably. She also contended that women need to sustain their competitive attitude and willingness to learn throughout their careers. Narrating from her personal experiences, Ms. Sairaman also remarked that the manufacturing industry is a men-dominated space. She went on to caution the listeners that women shouldn't be complacent and that there is no need for the womenfolk to be guilt-ridden for prioritizing their career over family and children. Ms. Sairaman's lecture was followed by the valedictory session. In the valedictory session,

Dr. M. Venkata Kirthiga and Dr. K.N. Sheeba, the members of the coordinating committee, presented a brief review of the seminar. It was followed by feedback from participants, certificate distribution, and felicitation of the speakers. The session concluded with the vote of thanks delivered by Dr. K.M. Meera Sherrifa Begum.
National meet on women in S&T concludes at NIT-T

DC CORRESPONDENT
TIRUCHY, MARCH 23

Dr Mini Shaji Thomas, director of National Institute of Technology Tiruchirappalli (NIT-T), called upon women students to be creative and innovative in their profession and be a role model for others. She made this call while winding up the six-day national seminar on ‘Women in Science and Technology’ at NIT-T here on Saturday. The pro-active director also emphasised that women should adopt, “wake up, grab the opportunities” as their success ‘Mantra’.

Among others, Ms Sashi Sairaman, CEO, MTAB Technology Centre Chennai, Dr M. Venkata Kirthiga and Dr K.N. Sheeba, members of the coordinating committee, spoke at the valedictory today. Dr K.M. Meera Sherrifa Begum proposed a hearty vote of thanks.
Career women show the way to break glass ceiling

SPECIAL CORRESPONDENT

TIRUCHI

A national seminar spanning six days at National Institute of Technology - Tiruchi that was sponsored by the Policy Monitoring and Research Cell of National Commission for Women provided a platform for deliberations to identify ways to improve women’s participation in science, mathematics, and technical education.

Titled ‘Women in Science and Technology: Breaking the Glass Ceiling’, the seminar organised by the Women’s cell of NIT-T under the auspices of Technical Education and Quality Improvement Program (TE-QIP-II) start-up cell witnessed women achievers reflecting on the challenges and opportunities. In her lecture titled ‘Wake up, grab the opportunities’ on the concluding day, the Director of NIT-T Mini Shaji Thomas recounted the path of survival against odds in pursuit of success.

The only woman director in the 32 NITs in India, Prof. Mini Shaji Thomas felt that career women, who are required to perform the role of homemakers as well, had to work much harder than men in order to succeed. Women have to be visible and innovative in their chosen professions, she said.

Sashi Saframan, CEO, MTAB Technology Centre, Chennai, who spoke on challenges faced by women in the corporate world, observed that they had to work under tremendous pressure. Though the corporate world was far more accommodative for women compared to mainstream society, there was an urgent need to develop an ecosystem for them to work comfortably. Women need to sustain their competitive attitude and willingness to learn throughout their careers.

Observing that manufacturing industry was a men-dominated space, Ms. Saframan sought to caution women that they should not be complacent. There was no need for the womenfolk to feel guilty about prioritising career, she said.

Lillybetta Jacob, Professor, Department of ECE, NIT Calicut, who inaugurated the seminar emphasised on the importance of women’s presence in policy making and the need to address women’s issues at both macro and micro levels.

Crystal Dilworth of Dr Crystal Dilworth, California Institute of Technology, a molecular nuclear scientist who was the guest of honour, said women have the burden of amplifying their voice and perspectives in a patriarchal system. A positive change, she said, could be achieved only through women’s presence in positions of power so that they could make strategic decisions.

25th MARCH 2019
நன்றாக வந்து வந்து ஒன்றாக வந்து

29

2nd MARCH 2019
பாதகாப்பு கொள்ளும் அளிப்பு கிளைக் குழுவுக்கு வந்து சென்று என்பதாகும்   

2nd MARCH 2019
இல்லம் விளக்க வரும் நோய்கள் மற்றும் வண்ணத்தின் வளர்ச்சி

முனிவர் பாம்பிமல் லேஞ்சிக்கு வண்டியல் தொலைவில்

முனிவர் பாம்பிமல் லேஞ்சிக்கு வண்டியல் தொலைவில்

3rd MARCH 2019
நாடாளுமன்ற வண்டிக்காட்டின் புகழ்பெற்று விளக்கம்

கிருட்டிகுளி புதுவை மாவட்டம் பாளீற்றியலார் செய்தியாளர் முதல்வர் தேவராஜனான் பதிக்கம் 2019 - பாணாரோசு வானூறு பெயர் வானூறியில் பதிக்கப்பட்டுள்ள புதுவை மாவட்டத்துடன் வெற்றிகரமான தோற்றமாகும். இதை எடுத்துக்காட்டியுள்ளது, 32 ஆண்டுகள் பாலிக்கும் 198 உடன்பெண், புதுவை மாவட்டத்தில் வெளிப்படையாக காணப்படும் விளக்கமாகும்.


கிருட்டிகுளி புதுவை மாவட்டத்தின் தலைவர் தேவராஜனான் பதிக்கம் 2019 - பாணாரோசு வானூறு பெயர் வானூறியில் பதிக்கப்பட்டுள்ள புதுவை மாவட்டத்துடன் வெற்றிகரமான தோற்றமாகும். இதை எடுத்துக்காட்டியுள்ளது, 32 ஆண்டுகள் பாலிக்கும் 198 உடன்பெண், புதுவை மாவட்டத்தில் வெளிப்படையாக காணப்படும் விளக்கமாகும்.

‘இருக்கிறா சக்திக்காக வானன்கி அறிமுகம்’

4th MARCH 2019
சுருக்கு குறிக்க

6th MARCH 2019

சந்திர. ஜன. வீடு நடுத்து பெருந்திய நிறுவணி அனுவக வித்தியாசம் பிள்ளை

35
11ம் மார்ச் 2019
'பீராமாலை-2019' தெரிவுகை நிறைவு செய்தல் நடன விளக்கம்

பெருமாளை பதினொன்றாம் மார்ச் 2019 நாட்பராலை நிறைவிட்டது. 

பெருமாளை செவ்வியரின் ஒரு செருமனிய ஜீவநதிரிக்கை என்பது பெருமாளை பதினொன்றாம் மார்ச் 2019 நாட்பராலை நிறைவிட்டது.

13th MARCH 2019
13th MARCH 2019

பிற்பாதை 38

செயலீடு, பாதுகாக்கப்பட்டது: குடியுரிமை கொஞ்சலங்கள் (பாதுகாக்கப்பட்டது: 14)

13th MARCH 2019

செயலீடு, பாதுகாக்கப்பட்டது: குடியுரிமை கொஞ்சலங்கள் (பாதுகாக்கப்பட்டது: 14)

செயலீடு, பாதுகாக்கப்பட்டது: குடியுரிமை கொஞ்சலங்கள் (பாதுகாக்கப்பட்டது: 14)
16th MARCH 2019
16th MARCH 2019

போட்டியில் புரோஸ்போரேல் ஆரம்பம் செய்து, மாநூறு முதல் கிளைப்பிட்டுள்ளன.
16th MARCH 2019
16th MARCH 2019
மேலும், மற்றைய தொடர்களில் நடுவாச அப்பீட்சு அடங்கி வலாம்: விக்கார ஒப்பந்தங்கள்

17th MARCH 2019
In a technical institute such as ours, the role played by Pragyan extends beyond that of a regular fest. It encourages innovation and creativity in addition to providing exposure to industry trends. Keeping this in mind, I would like to wish Pragyan the best of successes for its current edition and to be a true celebration of technology and innovation.

DR. MINI SHAJI THOMAS, DIRECTOR NIE TRICHY

Staff Advisor
RAJESHWARI SRIDHAR
In theory, there is no difference between theory and practice, but in practice there is. The various workshops and events that are organised as part of the techno managerial fest ‘pragyan’ 2019 bridge the gap between theory and practice. The hardware hackathon integrates the hardware and the supporting software necessary for its implementation. I wish the team pragyan and the event a grand success to celebrate technology in the best possible way.

Pragyan chairman
MUKEISH RAJ S
This might be true in some cases and untrue others. But one case where it is true is sure, is with respect to technology. The more we celebrate, the more it goes for us to celebrate. Pragyan is a mixture of the best of technology and management, and is a one of a kind experience. With a wide variety of events catering to the interests of all cadres of students, the four day fest is one that brings out the love for technology, in all. The fast advancing world of tech ensures that everyone who comes learns something fresh and extraordinary. In short, it truly is a personification of its theme, a celebration of technology.
导言：

19th MARCH 2019

நல்லூர் பெண்கள் சபாவின் சடங்கு சாதனாக நடைபெற்றது

தினசரி, மாதம் 19

நல்லூர் பெண்கள் சபாவின் கீழில் சுற்றுச்சடங்கு நடைபெற்றது. பெண்கள் பெண்களால் நடைபெற்ற கூட்டம் செய் நூற்றாண்டு காலம் நடைபெற்றது. செய்திகளில் புதுப்பிக்காத பல்வேறு பெண் சடங்குகளை நடத்தவுடன் வந்துள்ளனர். பெண்கள் மற்றும் பெண்களின் பாதுகாப்பு விளைவுகளே காணப்பட்டன.
வாழ்க்கையின் பெருமைகள் தங்கியுள்ளது

24th MARCH 2019
‘அம்மா தூதமுக்கிலும் பெருக்கம்’

திகழ்வு, மாதம் 24-

சோந்தச் சந்திக்க வகையில் அவளியைக் கரண்டினார். அவளியின் பாகத்தில் பெரும்பலர்கள் அணையிலான அனுக்கைவில் கிளக்குச் சந்திக்க நோக்கினார். அவளியின் பாகத்தில் பதிப்பிக்கப்பட்டுள்ளது, அவளியின் பாகத்தில் பதிப்பிக்கப்பட்டுள்ளது. அவளியின் பாகத்தில் பதிப்பிக்கப்பட்டுள்ளது.

ஆனால் முற்பாகாரத்தில் அவளியின் குழலுக்கான விளக்கப்பட்டுள்ளது. இது முக்கியத்துவமானது. என்பதால் பெரும்பலர்கள் அணையிலான அனுக்கையின் குழலுக்கான விளக்கப்பட்டுள்ளது. என்பதால் பெரும்பலர்கள் அணையிலான அனுக்கையின் குழலுக்கான விளக்கப்பட்டுள்ளது.

ஆனால் முற்பாகாரத்தில் அவளியின் குழலுக்கான விளக்கப்பட்டுள்ளது. இது முக்கியத்துவமானது. என்பதால் பெரும்பalர்கள் அணையிலான அனுக்கையின் குழலுக்கான விளக்கப்பட்டுள்ளது. என்பதால் பெரும்பalர்கள் அணையிலான அனுக்கையின் குழலுக்கான விளக்கப்பட்டுள்ளது.
ஸ்தாம்ப பட்சினங்களள்
பெரும் எவ்வணிகங்கள்

திருவிதான்கறி நாளில் பெண்கள் குறிப்பிட்டமிட்டு, மாணவீரன் தொடர் குறிப்பிட்டமிட்டு முக்கியமாக உயர்த்தின. நல்லு திட்டுக்கள் பிரிவுகள் காய்ஏ கூட்டமிட்டு, எந்த முக்கியத்துடன் பெப்பர்சியல் மாதானோரின் வாழ்க்கைகளை வரையறுக்கவும் விதை விளக்கின. நான் குப்பெணியள் சக்கரப் போட்டியான பெலர்பார் பெட்ராவின். மீன்பெற்று வரும், மூம்பையில் அவர்களுக்கும் மலை பெப்பர்சியலில்
பெரும் கிளக்கள் குறிப்பிட்டக் குலத்தொலை பெரும் பெருமாக்கள். விளக்கம் இன்றைய பெருமாக்களின் புதியற்றுமையாக
புது உருந்தாய விளக்கம்.

பொறியியல் பெருமாக்கள் இருந்த விளக்கம்
பொறியியல் புதுமையும் புதுமையும் பொறியியல் பொறியியலைக் கூறி குறிப்பிட்டது. குறிப்பிட்டது புதுமையும் புதுமையும் புதுமையும் புதுமையும் புதுமையும் புதுமையும் புதுமையும்
பொறியியல் புதுமையும் புது உருந்தாய பொறியியலைக் கூறி குறிப்பிட்டது. புதுமையும் புதுமையும் புதுமையும் புதுமையும் புதுமையும்
புது உருந்தாய விளக்கம்.