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Trichy: The students of National Institute of Technology, Trichy, (NIT-T) have designed a low-cost portable truck-mounted street vacuum cleaner to clear litter for the civic body. The portable machine can be mounted on a mini-truck and has been fabricated at ₹90,000 sponsored by NIT-T alumni.

The product was conceived by Richard Sekar, Suresh Thiagarajan and Sagayaraj Benedict, alumni of NIT-T 1993 batch, to help Trichy Corporation keep the streets clean after a discussion on the difficulty of clearing litter from streets was taken up by the local body, NIT-T management and alumni.

To find a solution to the problem, a competition was floated by NIT-T for students in September 2018. Members of a Designers’ Consortium, a students’ group came forward to design a street cleaner at a low cost. After inspecting several working models, a group of 16 students of which three have passed out designed the truck-mounted street vacuum cleaner (T-MSVC) working on the principle of the household vacuum cleaner.

“We have used a 1,700 rpm impeller powered by a petrol engine to generate vacuum which would suck the litters on roads. A filter is placed before the waste collection bin to prevent the large-sized particle from getting sucked into the impeller,” Ajay Prabhu, one of the members of NIT-T design team said.

The litters sucked in will be accommodated in the 290-litre capacity bin which can be removed after the bin is filled to three-fourth of its capacity.

Trichy Corporation recently inspected the working of the street vacuum cleaner at the NIT-T campus and expressed satisfaction over the machine’s performance. “Such a low-cost product will save time in cleaning the streets and improves cleaning efficiency. Based on the performance, more such vacuum cleaners to clear the streets shall be procured,” said N Ravichandran, commissioner, Trichy Corporation.

Sanitary workers and officials will be trained about the operation and maintenance of the cleaner which will be inducted for service in September.
Vaccum cleaner dedicated by NIT Tiruchy to the Corporation | EXPRESS

NIT ALUMNI DEVELOP VACUUM CLEANER FOR CIVIC BODY

Tiruchy: To help Tiruchy City Corporation effectively clean litters on streets, three alumni of NIT developed a cost-effective street vacuum cleaner and dedicated it to the Corporation. The machine was handed over to City Corporation Commissioner Ravichandran by NIT Trichy Director Professor Mini Shaji Thomas. Three alumni -- Richard Sekar, Sagayaraj Benedict and T Suresh -- of 1983 batch got the idea from “Immacula Trichy Hackathon” organised by Student’s Welfare Office and Alumni Relations Office of NIT, Tiruchy in September 2018. To study and evaluate the existing street cleaners owned by Chennai Corporation, they travelled to Chennai and also made visit to Ariyamangalam dumpyard to understand the life cycle of waste and its management.
NIT-T hands over street vacuum cleaner to civic body

Developed by members of its Designers’ Consortium

SPECIAL CORRESPONDENT
TIRUCHI

National Institute of Technology-Tiruchi (NIT-T) has handed over its indigenously-designed truck-mounted street vacuum cleaner to Tiruchi Corporation.

The product developed by members of the Designers’ Consortium – the official product designing club – promises cost-efficient and power-efficient solution to cleanliness problems on city roads.

NIT-T Director Mini Shaji Thomas handed over the new product to Corporation Commissioner N. Ravichandran recently.

“This product can be mounted on the corporation truck and used for removal of trash from the streets. It is a solution to Tiruchi’s problem of accumulation of waste on the streets, especially in and around vegetable market area,” she said.

The product was conceptualised and funded by the batch of 1983, one of the golden batches.

‘Give back to society’, the motto with which the patrons, Richard Sekar, Sagayaraj Benedict and T. Suresh, proceeded with the project, had its start in ‘Immacula Trichy Hackathon’ organised by the student’s welfare office and Alumni Relations office of NIT-Tiruchichi during September 2018.

The execution of the project was taken up by students of Designer’s Consortium. In order to fully understand the needs and challenges of the product, the students travelled to Chennai to study and evaluate the existing street cleaners owned by Chennai Corporation.

The team came out with a cost-effective vacuum cleaner, the trash from which could be collected in an onboard container of the truck. The team made frequent visits to Ariyamangalam dumping site to further understand the lifecycle of waste and its management.
A truck-mounted street vacuum cleaner (T-MSVC), a product indigenously designed and developed by members of the Designers’ Consortium, the official product designing club of NIT Trichy was declared open for public usage on 23rd August 2019. This cost-efficient, power-efficient solution to metropolitan road cleanliness problems was officially handed over to the Trichy City Corporation Commissioner, Mr. Ravichandran by NIT Trichy Director Prof Mini Shaji Thomas in an official ceremony organized at NIT Trichy Campus on August 23rd, 2019. This product can be mounted on the corporation truck which can be used for removal of trash from the streets. It is a solution to Trichy's problem of accumulation of waste on the streets especially in and around Vegetable Market area.

The aspiring project, which was conceived by one of the golden batches of REC Trichy, the batch of '83, was also funded by the same selfless set of patrons, Mr Richard Sekar, Mr Sagayaraj Benedict and Mr T. Suresh, with their moto to give back to the society. The conception of the project was initiated through an “Immacula Trichy Hackathon” that was organized by the Student’s welfare office and the Alumni Relations office of NIT Tiruchirapalli in September 2018 and the project was taken up by the students of Designer's consortium (DC) of NIT Tiruchirappalli. In order to fully understand the needs and challenges of the product, the students travelled to Chennai to study and evaluate the existing street cleaners owned by the Chennai Corporation. Subsequently, the team came out with a cost-effective vacuum cleaner, the trash from which could be collected in an on-board container of the truck. The team made frequent visits to the Ariyamangalam dumping site to further understand the life-cycle of waste and its management.

The Director, Prof Mini Shaji Thomas during her address congratulated the students, faculty team of the Designer's consortium, and the 1983 Alumni who working together to design and develop the T-MSVC. She specially thanked the Alumni of 1983 batch for funding the project and for their motivation and continuous guidance throughout. She also thanked the support of the Hon. Commissioner, Mr Ravichandran and Sanitary Inspector, Mr. Parasuraman of the Trichy Corporation.
NIT develops huge vacuum cleaner, gives to Tiruchy Corpn for clean city mission

TIRUCHY: An innovative equipment that works as a giant size vacuum cleaner to clean garbage from streets was donated to the Tiruchy Corporation to help maintain the city clean, on Thursday. The Truck-Mounted Street Vacuum Cleaner (T-MSVC) was conceived and funded by the alumni of 1983 batch of National Institute of Technology-Tiruchy, and designed and developed by the students of 2019 and 2020 batches.

The vacuum cleaner can pick up about 80 per cent of all types of frequently collected garbage, including plastic bottles and covers, food packets and wrappers, leaves, and organic waste, said the students who made it. Using the 3.5-metre-long inlet hose, which has a diameter of five inches, the person operating the cleaner can comfortably collect garbage.

The project cost the team Rs 90,000, which included multiple prototypes they experimented with before finalising the design. But if manufactured in large numbers, this can be brought below Rs 50,000, they added. According to the team, this is the cheapest model of truck-mounted street suction cleaners available in the market.

The model is the first of its kind to incorporate the existing garbage bins into its working to form an air-sealed primary storage chamber. It is provided with adequate protection to withstand harsh weather conditions, and would require only a single person to operate the system.

This will help to drastically reduce manpower required for garbage collection, which is a labour-intensive process.

One truck can carry three bins, each with a capacity to collect 210 litres of garbage. The engine tank of the system can hold four litres of petrol, using which the vacuum cleaner can be run for eight hours.

The lid system has been designed with a liner to transform the primary storage chamber into a cyclone separator which would separate the garbage, explained members of the team. They said the ergonomically designed handle requires only minimum maintenance, and that all the sub components of the model are easily accessible by the user.

At the function held to hand over the equipment to the city Corporation, the director of the institute, Prof Mini Shaji Thomas, congratulated the students, faculty team of the designer’s consortium, and the 1983 Alumni who worked together to design and develop the product — an innovation with social relevance that has special relevance for the country.

A student demonstrating the device in presence of professor Mini Shaji Thomas, Director, NIT-T, Dr Ashok Kumar Nallathambi, faculty advisor, Designers’ Consortium and Parasuraman, sanitary inspector of the Tiruchy Corporation.
For a cleaner Tiruchi, street vacuum cleaner to be ready soon

Developed by Designers’ Consortium of NIT-T

A 13-member team of National Institute of Technology, Tiruchi, which designed a truck-mounted street vacuum cleaner conducted a demonstration before handing over the machine to Tiruchi Corporation on Thursday.

The machine consists of a turbine machine, which creates a vacuum, and an eight-inch pipe connecting the turbine to a plate, which will cover the bin holding the waste.

From the plate, another five-inch pipe protrudes out and onto the main suction point. The length of the five-inch pipe is two metres and due to its malleable nature, can be moved around within its length.

Speaking about the process, Muni Kumar, technical head, Designers’ Consortium, the product designing club which made the cleaner, said: “This cleaner can be mounted on any truck and used for removal of garbage from the streets. We promised a cost-efficient and power-efficient solution to Corporation officials when we took up the challenge and have delivered as the cost of the entire set up including trial-and-error cost us ₹80,000. If mass-produced, it would be around ₹50,000,” said Mr. Kumar.

The product was conceptualised and funded by the batch of 1983, led by Richard Sekar, Sagayaraj Benedict and T. Suresh, who guided and trained the 16-member team.

The project had its start in ‘Immacula Trichy Hackathon’ organised by the student’s welfare office and Alumni Relations office of NIT-Tiruchi during September 2018 after the alumni, during a clean-up drive had noticed it was difficult to clean up roads in Tiruchi.

Speaking about the work, Mini Shaji Thomas, Director, NITT, said that the team travelled to Chennai to understand the vacuum cleaner purchased by Greater Chennai Corporation.

“The machine cost ₹60 lakh. The students were able to use the concept of vacuum and make a more affordable product which we handed over to N. Ravichandran, City Corporation Commissioner a week earlier,” she said.

Pat for team
E. Parasuraman, Sanitary Inspector, Tiruchi Corporation, was present at the demonstration and expressed his appreciation.

“After the machine was handed over to us, we have tested the product and found that it would be very useful for cleaning, especially in crowded areas like Central bus stand. We will soon deploy it and look forward to making the city cleaner using it,” he said.
SUCKING IT OUT

NIT students demonstrate the truck-mounted vacuum cleaner they developed for the city Corporation in the presence of institute director Mili Shaji Thomas and civic officials at college campus on Thursday | express

6th September 2019
This project by students can help keep Trichy clean

W hat started as a project for a competition ended up being a creative solution for the city’s trash accumulation problem! Yes, students of National Institute of Technology Trichy have come up with a Truck Mounted Street Vacuum Cleaner (T-MSVC), an equipment they say can help keep the city clean.

Talking about how they came up with the idea, Vishaal Kanna, a final year Mechanical Engineering student who is one among the 16 students in the project group, says, “It all started when our alumni, Richard Sekhar, T Sunesh and Benedict Sabayaraj from the 1982 batch, along with 30 other people, took an initiative and started cleaning the stretch from the main guard gate to Chathiram bus stand. It was a very strenuous process and took long hours to clean it manually. So, they approached our director; Mini Shaji Thomas, to ask if students of NIT Trichy could come up with a project that could help them solve this problem. We had a competition, called Immaculate Trichy, and many students from various departments pitched in their ideas, out of which our T-MSVC was selected as the cost-efficient, power-efficient solution to the city’s road cleanliness problems. This product can be mounted on corporation trucks and can be used to remove trash from the streets. It is a solution to Trichy’s problem of accumulation of waste on the streets, especially in and around Vegetable Market area.”

Students assemble the T-MSVC

(L-R) Rubin Jacob, Vishaal Kanna, Nithin Subhash and Ajay Prabhu engrossed in a discussion

N Ravichandran and Dr Mini Shaji Thomas take a look at the project

The T-MSVC mounted on a truck

THE T-MSVC CAN BE MOUNTED ON CORPORATION TRUCKS. IT CAN BE A COST-EFFICIENT, POWER-EFFICIENT SOLUTION TO TRICHY’S ROAD CLEANLINESS PROBLEMS

— Vishaal Kanna, a student who’s part of the project

the Corporation Commissioner, N Ravichandran, “We took one whole year to work on the project,” informs Rubin Jacob, another student who’s part of the group, “We also travelled to Chennai to study and evaluate the existing street cleaners owned by the Chennai Corporation. While those cost around 50 lakh, whereas the one we’ve designed cost us around ₹70,000 because we were able to cut down the cost of doing lab work as we had a lab in our college. We also visited the Ariyamangalam dumping site to further understand the lifecycle of waste and its management.”

The T-MSVC can accommodate up to 210 litres of waste in one drum and three such drums can be placed in one truck, the team says, adding, “We are happy that one of our student made projects has been handed over to the corporation. We are yet to meet the corporation workers and explain how the cleaner works.”
Onam celebrations to be low profile

Due to unprecedented flooding in Kerala, Malayalees in the city have keep their Onam celebrations low profile.
The priority was on reaching out to their flood-affected friends and relatives in their home towns in Kerala with relief materials.
A week back, a team of Kerala Samajam, BHEL, had spanned out to the flood-affected areas and distributed relief materials, including clothes and books worth Rs. 2 lakh.
Last year, the Kerala Samajam, BHEL, Tiruchi, had mobilised double the amount to help out the flood-affected people in Kerala. Due to the intensity of the natural disaster last year, the Samajam had cancelled the Onam celebration.
This year, the celebration which was earlier planned during this month has been postponed to November 3, Samajam president Sumesh said.
There are over 250 Malayalee families in BHEL and around 100 families in Ordnance Factory Tiruchi. The National Institute of Technology - Tiruchi has around 500 students from Kerala and nearly 20 teaching and non-teaching staff.
At NIT-T, too, the Onam celebration was cancelled last year due to the deluge in Kerala. This year, too, there has been unprecedented rainfall in Kerala, though not to the extent of last year.
The institute had planned to celebrate the festival during the third week-end of this month, Samson Mathew, Dean -Students' Welfare, NIT-T, said.
3-day int’l conference begins at NIT

Tiruchy: NIT Tiruchy’s Department of Chemical Engineering started its three-day International Conference on Multifunctional and Hybrid Composite Materials for Energy, Environment and Medical Applications on Monday. The conference will see experts and researchers from various fields. The organisers said that the conference was aimed at creating an interdisciplinary platform for innovations, challenges and solutions in the field of hybrid materials. Reportedly, the topics in the event will include interventions in chemical process, energy, environment and medical applications and over 123 presentations, 2 plenary addresses and 18 keynote addresses from world experts. In addition to the leading academicians and scientists, industrialists would also participate in the event for sharing their expertise in the application of multifunctional hybrid materials. Dr Ahmed Fauzi Ismail, University of Technology, Malaysia, was invited as the Chief Guest.
NIT Tiruchirappalli signs MoU with Texas Instruments for collaborative programs today

National Institute of Technology (NIT), Trichy signed a Memorandum of Understanding (MoU) with the Texas Instruments (TI) engaged in the design and development of semiconductors and software to promote interaction between NIT Trichy and Texas Instruments in mutually beneficial areas and to provide a formal basis for initiating interaction between NIT Trichy and TI through setting up a TI Research Lab at NITT premises. The MoU envisages joint R&D projects over a period of three years for the development of new technologies in various engineering domains. The MoU was inked in the presence of Dr Mini Shaji Thomas, Director, NIT Trichy and Shri. Sanjay Srivastav, Director, Texas Instruments India University Program. Speaking on this occasion, Professor Dr Mini Shaji Thomas, Director, NIT Trichy, said, “We are motivated about partnering with TI to collaborate in pioneering semiconductor engineering technology for learning and mobility. As various promising opportunities seem to exist, the setting up of TI Research Lab is at the top priority and subsequently be nurtured and grown after considering the learnings and experiences from TI. We see the program as an opportunity for us to develop a talent pool among the students of NIT-Trichy, that would have the edge over others in terms of acquisition of advanced knowledge and be industry-ready. NITT will provide a space and other infrastructure to set up TI Research Lab.”

As a part of this MoU, TI will deliver products and EVMs worth USD 25000/- (United States Dollars Twenty-Five Thousand Only) from 2019 till the expiry of this MoU. These TI products and EVMs will be used by NITT in curriculum teaching and research in the area of Analog IC applications, Power Management and Embedded Systems. It is mutually agreed that free of cost training to all teaching assistants, research assistants and lab assistants towards the usage of EVMs towards curriculum teaching will be provided by TI and in turn, NITT also encourage their side for the same. NITT will encourage students to participate in Student Contests conducted by TI.
Hence, through this MoU, it is intended to have a mutual multi-dimensional partnership between NITT and TI, which will help to reinforce the competitive edge of the company with the academic partners with proficient faculty, in line with our vision & mission of the institute to create a future-ready organization.” This partnership will help to bridge the gap between academic excellence and business requirements, to create an industry-ready workforce. This initiative also supports the Government’s ‘Make in India’, ‘Skill India’ and ‘Startup India’ program, preparing the Indian industry to compete at a global platform.”

A steering committee will be set up to monitor the activities under this MoU. The committee will consist of Mr Sanjay Srivastava from TI and Prof. Umapathy Dean (Research and Consultancy) representing NITT.

NIT Trichy: National Institute of Technology, Tiruchirappalli, commonly referred to as NIT Trichy, is an Institution of National Importance under Ministry of Human Resource Development, Government of India, established to provide instruction and research in various branches of engineering and technology for the advancement of learning and dissemination of knowledge in such branches. NIT Trichy is ranked the best among NITs and runs 10 undergraduates and 28 postgraduate and Ph D programs. NIT Trichy excels in teaching, research and consultancy, supported by eminent Faculty, successful alumni, industry partners and world-class Infrastructure catering to more than 6500 students.
NIT signs MoU with TI for research collaboration

The National Institute of Technology, Tiruchi, (NIT-T), on Monday, signed a Memorandum of Understanding (MoU) with Texas Instruments (TI), which is engaged in design and development of semiconductors and software, to promote interaction between the two organisations and setting up of a TI Research Lab at NIT-T campus. The MoU envisages joint research and development projects over a period of three years for the development of new technologies in various engineering domains. The MoU was signed in the presence of Mini Shaji Thomas, Director, NIT-T, and Sanjay Srivastav, Director, Texas Instruments India University Programme. Speaking on the occasion, Dr. Thomas said the MoU would enable collaboration with TI in the pioneering semiconductor engineering technology for learning and mobility.

“The setting up of TI Research Lab is a priority. We see the programme as an opportunity to develop a talent pool among the students of NIT-T and give them an edge over others in terms of acquisition of advanced knowledge and be industry-ready. NITT will provide a space and other infrastructure to set up TI Research Lab,” she said. As a part of the MoU, TI will deliver products and evaluation modules worth US $ 25,000 and they will be used by NITT in curriculum teaching and research in the area of Analog IC applications, power management and embedded systems. The partnership will help to bridge the gap between academic excellence and business requirements, to create an industry-ready workforce, a NIT-T press release said.
Texas Instruments to establish research laboratory at NIT Trichy

TRICHY: global semiconductor sware and design company based in the USA. UU. Texas Instruments (YOU) establish a research laboratory at the National Institute of Technology (NIT) Trichy.

A memorandum of understanding (MoU) was signed between the company and NIT Trichy to provide a formal basis for initiating interaction in mutually beneficial areas.

The memorandum of understanding provides for joint R&D projects over a period of three years for the development of new technologies in various engineering domains.

The MoU was inked in the presence of NIT Trichy director Mini Shaji Thomas and Sanjay Srivastav, director, Texas Instruments India University Program.

“We are motivated about partnering with YOU to collaborate in pioneering semiconductor engineering technology for learning and mobility,” said Thomas.

“We see the programme as an opportunity for us to develop a talent pool among the students of NIT-Trichy giving them an edge over others in terms of acquisition of advanced knowledge and be industry-ready. NITT will provide a space and other infrastructure to set up YOU Research Lab,” she said.
NITians work for nation, IITians go abroad: Kirloskar

Sarfaraz Ahmed @timesgroup.com

Nagpur: Sanjay Kirloskar, the chairman and managing director of Pune-based Kirloskar Brothers Ltd, on Sunday said he is of the view that students coming out of national institutes of technology (NITs) and Institute of Technology (IITs) are keen on going abroad soon after their graduation.

Speaking at the 17th Convocation ceremony of VNIT at the Suresh Bhat Auditorium, Kirloskar said his company was working with public sector companies like Nuclear Power Corporation of India, Indian Space Research Organization (ISRO) where he found the engineers mostly came from NITs and not IITs.

“I have observed that NITians are not like IITians who go abroad at the first opportunity that they bag. We all dream of earning more with the best of amenities at our service. However, how many of us have ever felt that we have a certain responsibility towards our country which has been integral in making us who we are?”, he said in his convocation address to VNIT students.

He said, “It’s about time now to return the favour by contributing towards the betterment of our country in whichever way we can. I feel the VNIT graduates who have stayed back have played and continue to play an integral role in laying the foundation of a better India, a developed India.”

The industrialist said he was amazed at the pace at which technology was transforming everything.

Continued on P 2
Texas Instruments to set up research laboratory in NIT Trichy

TRICHY: US-based global semiconductor design and software company Texas Instruments (TI) will set up a research laboratory at the National Institute of Technology (NIT) Trichy. A memorandum of understanding (MoU) was signed between the company and NIT Trichy to provide a formal basis for initiating interaction in mutually beneficial areas.

The MoU envisages joint R&D projects over a period of three years for the development of new technologies in various engineering domains.

The MoU was inked in the presence of NIT Trichy director Mini Shaji Thomas and Sanjay Srivastav, director, Texas Instruments India University Program.

“We are motivated about partnering with TI to collaborate in pioneering semiconductor engineering technology for learning and mobility,” said Thomas.

“We see the programme as an opportunity for us to develop a talent pool among the students of NIT-Trichy giving them an edge over others in terms of acquisition of advanced knowledge and be industry-ready. NITT will provide a space and other infrastructure to set up TI Research Lab,” she said.
NIT Tiruchirappalli signs MOU with Texas Instruments

National Institute of Technology (NIT), Trichy signed a Memorandum of Understanding (MoU) with the Texas Instruments (TI) engaged in the design and development of semiconductors and software to promote interaction between NIT Trichy and Texas Instruments in mutually beneficial areas and to provide a formal basis for initiating interaction between NIT Trichy and TI through setting up a TI Research Lab at NITT premises. The MoU envisages joint R&D projects over a period of three years for the development of new technologies in various engineering domains. The MoU was inked in the presence of Dr Mini Shaji Thomas, Director, NIT Trichy and Shri. Sanjay Srivastav, Director, Texas Instruments India University Program. Speaking on this occasion, Professor Dr Mini Shaji Thomas, Director, NIT Trichy, said, “We are motivated about partnering with TI to collaborate in pioneering semiconductor engineering technology for learning and mobility. As various promising opportunities seem to exist, the setting up of TI Research Lab is at the top priority and subsequently be nurtured and grown after considering the learnings and experiences from TI. We see the program as an opportunity for us to develop a talent pool among the students of NIT-Trichy, that would have the edge over others in terms of acquisition of advanced knowledge and be industry-ready. NITT will provide a space and other infrastructure to set up TI Research Lab.”

As a part of this MoU, TI will deliver products and EVMs worth USD 25000/- (United States Dollars Twenty-Five Thousand Only) from 2019 till the expiry of this MoU. These TI products and EVMs will be used by NITT in curriculum teaching and research in the area of Analog IC applications, Power Management and Embedded Systems.

It is mutually agreed that free of cost training to all teaching assistants, research assistants and lab assistants towards the usage of EVMs towards curriculum teaching will be provided by TI and in turn, NITT also encourage their side for the same. NITT will encourage students to participate in Student Contests conducted by TI. Hence, through this MoU, it is intended to have a mutual multi-dimensional partnership between NITT and TI, which will help to reinforce the competitive edge of the company with the academic partners with proficient faculty, in line with our vision & mission of the institute to create a future-ready organization. “This partnership will help to bridge the gap between academic excellence and business requirements, to create an industry-ready workforce. This initiative also supports the Government’s ‘Make in India’, ‘Skill India’ and ‘Startup India’ program, preparing the Indian industry to compete at a global platform.”

A steering committee will be set up to monitor the activities under this MoU. The committee will consist of Mr Sanjay Srivastava from TI and Prof. Umapathy Dean (Research and Consultancy) representing NITT.
Tamilnadu: US Company TI to set up research lab at NIT in Trichy Texas

Instruments (TI), a US company, engaged in the design and development of semiconductors and software will set up a hi-tech, cutting edge research lab at National Institute of Technology (NIT) in Trichy, Tamilnadu.

The MoU in this regard was inked recently, in the presence of Director, NIT Trichy, Dr Mini Shaji Thomas and India University Programme Director, Sanjay Srivastav.

It envisages joint R&D projects over a period of three years for the development of new technologies in various engineering domains.

As a part of the MoU, TI will deliver products and EVMs worth USD 25,000.
NIT Tiruchirappalli signs MoU with Texas Instruments for collaborative programs

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Naval officer calls for more participation by engineers, industry

REAR Admiral VM Doss of the Indian Navy said with millions of engineers available in the nation, the armed services can do with more participation from them to reduce imports and better self-sufficiency. This way, they could also contribute to the government’s vision of Make in India.

Doss was addressing NIT Tiruchy students in the Indian Navy’s ‘Ocean of Opportunities’ orientation programme on Monday.

He said, “In a year, India spends around Rs 3 lakh crore towards defence. Of this, nearly Rs 7,500 crore is spent on imports.” He said such dependence may be reduced if more engineers and entrepreneurs looked to cater to the Armed Forces.

Texas Instruments Research lab to come up at NIT Tiruchy

Tiruchy: Electronics giant Texas Instruments (TI) will set up a TI research lab at NIT. The two institutions signed an MoU to this effect on Monday. NIT’s teaching, research and staff assistants will be trained by TI to use the equipments from the corporation. NIT Tiruchy may expand their curriculum and research in the areas of Analog IC applications, Power Management and Embedded Systems with the lab. The MoU was linked for a 3-year period.

He said support from academia was important to not just indigenise, but advance. He encouraged collaboration with industries for defence and seeking entrepreneurship or mentoring programmes with incubators. For exposure, he said symposiums, seminars and expos of and relating to the Navy and interactions with ex-service-men or DRDO personnel would be ideal. Giving out a few areas which had scope, he listed simulations with augmented and virtual reality for training, unmanned vehicles, automated hangars, stealth and making logistics more robust. Doss stressed on the need for more startups to cater for the Navy directly or through establishments already providing support like DRDO, BHEL and even certain private companies.

He said students may look into various problem statements on the Navy website to gain some idea.
‘Young engineers must join Navy’s indigenization plan’

TRICHY: Calling upon young engineers working on innovative technologies to manufacture equipment for Indian Navy, Rear Admiral V M Doss, assistant chief of the naval staff (Air Material), on Monday asked them to be part of its indigenization plan and help reduce import of defence equipment.

Motivating students of National Institute of Technology (NIT) Trichy to pursue a career in Indian Navy, he explained the opportunities thrown up by Navy for entrepreneurs and their startups. While calling upon next generation engineers to contribute to the nation, he told students that they need not join Indian Navy to pursue a career but start their own company and contribute to the indigenization of Navy. Since India depends on 65% imports for its defence equipment needs, he termed it as an area of opportunity for young minds.

While Indian Navy is preparing to double its fleet of warships and aircraft, entrepreneurs can link up with defence public sector units to supply equipment to the Navy. “They can directly deal with Indian Navy in its defence ecosystem which is supported by defence public sector units and major industries like Tata, L&T and Reliance,” he said. “You can also supply for sub-systems and components to tier 2 and 3 companies,” he said. While urging students to come up with innovative ideas which can be developed into products, he said DRDO is ready to fund such workable ideas through technology development fund. Naval Research Board and aeronautical R & D board could give fund to make their ideas workable. He asked students to focus on state-of-the-art techniques on machine learning and computational intelligence in Navy. Director Mini Shaji Thomas said armed forces are integrating their activities with the academia. TNN
US company to set up research lab in NIT TNN

Trichy: Texas Instruments (TI) - a US based global semiconductor design and software- will set up its research laboratory at National Institute of Technology (NIT) Trichy.

A memorandum of understanding (MoU) was signed between them in mutually beneficial areas and to provide a formal basis for initiating interaction. The MoU envisages joint R & D projects over a period of three years for the development of new technologies in various engineering domains.

The MoU was inked in the presence of Mini Shaji Thomas, director, NIT Trichy and Sanjay Srivastav, director, Texas Instruments India University Programme. “We are motivated about partnering with TI to collaborate in pioneering semiconductor engineering technology for learning and mobility,” said Mini Shaji Thomas. “We see the programme as an opportunity for us to develop a talent pool among the students of NIT-Trichy giving them an edge over others in terms of acquisition of advanced knowledge and be industry-ready. NIT will provide a space and other infrastructure to set up TI Research Lab,” she said. As various promising opportunities seem to exist, the setting up of TI Research Lab is at the top priority and subsequently be nurtured and grown after considering the learnings and experiences from TI.

As a part of this MoU, TI will deliver products which will be used by NIT Trichy in curriculum teaching and research in the area of Analog IC applications, Power Management and Embedded Systems.

It is mutually agreed that the free training to all teaching assistants, research assistants and lab assistants towards curriculum teaching will be provided by “Through this MoU, it is intended to have a mutual multi-dimensional partnership between NITT and TI, which will help reinforce the competitive edge of the company with the academic partners with proficient faculty,” said M Umapathy Dean (Research and Consultancy).
Texas Instruments To Set Up Research Laboratory In NIT Trichy

- TI will deliver products and evaluation modules worth US $25,000
- NIT Tricky (NIIT) will use the products in curriculum teaching and research in the area of Analog IC applications, power management and embedded systems
- NITT will provide a space and other infrastructure to set up TI Research Lab

The National Institute of Technology, Tiruchi, (NIT-T), on Monday, signed a Memorandum of Understanding (MoU) with Texas Instruments (TI), which is engaged in design and development of semiconductors and software, to promote interaction between the two organizations and setting up of a TI Research Lab at NIT-T campus.

The MoU was signed in the presence of Mini Shaji Thomas, Director, NIT-T, and Sanjay Srivastav, Director, Texas Instruments India University Programme. Speaking on the occasion, Dr. Thomas said the MoU would enable collaboration with TI in the pioneering semiconductor engineering technology for learning and mobility. Thomas further informed that the setting up of the TI Research Lab is a priority. NIIT sees the program as an opportunity to develop a talent pool among the students of the institution and give them an edge over others in terms of acquisition of advanced knowledge and be industry-ready. NITT will provide a space and other infrastructure to set up TI Research Lab,” Thomas added.

**Plan of action**

The MoU envisages joint research and development projects over a period of three years for the development of new technologies in various engineering domains. As a part of the MoU, TI will deliver products and evaluation modules worth US $ 25,000 and they will be used by NITT in curriculum teaching and research in the area of Analog IC applications, power management and embedded systems.
NIT-T, TEXAS INSTRUMENTS SIGN MOU FOR SETTING UP IT RESEARCH LAB IN TIRUCHY

R. VALAYAPATHY | DC
TIRUCHY, SEPT. 19

The National Institute of Technology Trichy (NIT-T) has recently signed a memorandum of understanding (MoU) here with Texas Instruments (TI) engaged in the design and development of semiconductors and software to promote interactions between NIT-T and Texas Instruments in mutually beneficial areas and to provide a formal basis for initiating interaction between NIT-T and TI through setting up a TI Research Lab at NIT-T premises.

The MoU envisages joint R&D projects over a period of three years for the development of new technologies in various engineering domains.

The MoU was inked in the presence of Dr Mini Shaji Thomas, director, NIT-T and Sanjay Srivastav, director, Texas Instruments India University Program exchange documents.

Dr Mini Shaji Thomas, director, NIT-T and Sanjay Srivastav, director, Texas Instruments India University Program.

Speaking on the occasion, professor Dr Mini Shaji Thomas, said that as a part of the MoU, TI will deliver products and EVMs worth USD 25,000 from 2019 till the expiry of this MoU. These TI products and EVMs will be used by NIT-T in curriculum teaching and research in the area of Analog IC applications, power management, and embedded systems.

This is a landmark agreement in technology development for both the reputed institutions.
6 colleges sign MoUs to access Siemens centre at NIT Tiruchy

EXODRESS NEWS SERVICE
@ Tiruchy

To access the technology and consultancy services available at the Siemens Centre of Excellence (CoE) in Manufacturing at NIT Tiruchy, six colleges signed MoUs with CoE on Friday. Seven institutions have already signed MoUs with CoE in the past one year.

The six colleges that signed on Friday are Saranathan College of Engineering and M.A.M College of Engineering in Tiruchy, Muthuyammal College of Engineering, Rasipuram, Paavai Engineering College, Namakkal, A.V.C College of Engineering, Nagapattinam and Sri Krishna College of Technology Coimbatore.

“The MoUs would give students of the colleges access to 12 labs in the centres dealing with robotics, mechatronics, Internet of Things and design, among other streams. They may also choose to attend skill development certificate courses there,” said CoE head Dr M Duraielvam.

He said nearly 200 students from other institutions have already utilised the CoE for certificate skill development courses and the numbers would only increase with the new MoUs.

He said it would make students more industry-ready. A statement from the college said provisions for internships and projects for college students are also available.

Also, faculty from the institutions who signed MoUs may take up consultancy projects by utilising the facility.

The Siemens CoE in Manufacturing was set up in NIT Tiruchy last year based on an MoU with the German electronics and automation major at a cost of ₹190 crore.

It was set up to provide students of the institute access to industrial technology, two-way consultation and to further research prospects. NIT Tiruchy Director Mini Shaji Thomas was present at the signings.
MoU signed with colleges

The Siemens Centre of Excellence in Manufacturing, and NIT-T have signed an MoU with six more colleges in the region, providing access to its services such as skill development courses, internships and projects to students. In addition, faculty members of the institutions can execute consultancy projects utilising the facilities of the centre. MoUs have been signed with Saranathan College of Engineering, M.A.M College of Engineering, Muthuyammal College of Engineering, Rasipuram, Paavai Engineering College, Namakkal, A.V.C College of Engineering, Nagapattinam, and Sri Krishna College of Technology, Coimbatore.
6 COLLEGES SIGN MOU WITH SIEMENS COE TNN

Trichy: The Siemens Centre of Excellence (CoE) in Manufacturing at the National Institute of Technology (NIT), Trichy has signed a memorandum of understanding (MoU) with six institutions - Saranathan College of Engineering, MAM College of Engineering, Muthuyammal College of Engineering, Rasipuram, Paavai Engineering College, Namakkal, AVC College of Engineering, Nagapattinam and Sri Krishna College of Technology, Coimbatore, here on Friday. The MoU will enable students of these institutions to have access to the centre’s services such as skill development courses, internships and projects. Besides these, faculty members of these institutions would also be able to execute consultancy projects utilizing the facilities.

CoE in manufacturing was set-up in NIT Trichy at a cost of Rs 190 crore with majority funding from Siemens, a German-based automation company. Siemens offer hundreds of programmes ranging from a duration of three weeks to three months, which the students can make use at a nominal charge.
Trichy: Shedding light on women empowerment, the Internal Complaints Committee (ICC) in association with the Students’ Council of NIT-Trichy organised a two-day workshop at National Institute of Technology (NIT) Trichy was on Wednesday.

The two-day event, which saw over 500 take part, served as an eye-opener for many who thought self-defence is all about physical strength. Sponsored by the institute’s technical education quality improvement Programme (TEQIP), the workshop focused on empowering women mentally and physically through its carefully crafted training sessions.

The programme was titled ‘Workshop on self-defence, safety awareness and psychological empowerment for women against crime’. There is need for women to have a strong mind and a sound personality to be able to handle challenging situations, said Franklin Joseph, CEO of the Indian Institute of Special Tactics and Combat Sciences (Bengaluru).

“Self-defence is not a measure of physical fitness, rather it is about a strong mind and a sound personality,” he said. Speaking at the valedictory session, Trichy Range DIG V Balakrishnan said that women need to be mentally tough and should practice self-defence tactics daily.

NIT Trichy director Mini Shaji Thomas urged students to learn self-defence tactics through practice and advised the students to learn something useful for tackling real-time situations.
Orientation on self-defence organised at NIT Trichy

TRICHY: Shedding light on women empowerment, the Internal Complaints Committee (ICC) in association with the Students’ Council of NIT-Trichy organised a two-day workshop at National Institute of Technology (NIT) Trichy was on Wednesday.

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சான்றன்னின் பிபாச்சான கதீப்பானது மிதமானது

செய்தியின் குறிப்பிட்டது

சான்றன்னின் பிபாச்சான கதீப்பானது

2nd September 2019

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குறிப்பிட்டு முதல் வளங்கள் மாணவாக்கங்கள்
நூற்றாண்டு மாணவா விளக்கம் அருணந் குன்னி

குறிக்கை: இல்லாமை தொடர்ந்து செய்யப்பட்டு வளர்ச்சியில் பல வருடங்களுக்குப் பின், மூன்று பிரிவுகளில் ஆண்டு வளர்ச்சியில் ஆண்டு வளர்ச்சியில் ஆண்டு வளர்ச்சியில்
அல்லது தொடர்ந்து செய்யப்பட்டு வளர்ச்சியில் பல வருடங்களுக்குப் பின்.

பிற்கு மததாரரின்
தொன்றான மாணவரின்
நூற்றாண்டு மாணவாக்கன்
குறிப்பிட்டிருந்து, குறிப்பிட்டிருந்து
நூற்றாண்டு மாணவாக்கன்
(1983 முதல்)

குறிப்பிட்டிருந்து, குறிப்பிட்டிருந்து
பதில்பிட்டிருந்து, பதில்பிட்டிருந்து
நூற்றாண்டு மாணவாக்கன்

வளர்ச்சியில் மாணவாக்கன்
குறிப்பிட்டிருந்து

2nd September 2019
3ர் செப்டம்பர் 2019

லண்டன் பூர்வத்தில் முப்பதாம் வருடம் நடைபெற்றது பார்னானிட்சா அப்பாஸ் டைக்கின்

பொறுப்பு சாலையை அமைத்தது முயன்று இன்றைய கணவர் ஆசியாவின் தலைமை வாக்கியில் வைத்து

குறித்து வந்துள்ளார்.
சுவாமி பொம்மா சாதனை போராட்டத்தில் குறுக்கணக் விளக்கம்

சுவாமி பொம்மா சாதனை போராட்டத்தில் குறுக்கணக் விளக்கம்

10th September 2019
10வது செப்டம்பர் 2019
தொன்று சுவாசனை நடனர் அகாதமின்
போர்ச்சு வெளியேற்றக்கான தொட்டுக் குற்றங்கள்

[மூலமாற்றம்: நேரடி பேச்சு]

10th September 2019
13th September 2019
17 ஆக்டோபர் 2019

புதிய கல்வி பொறியியல் வருடான விளையாட்டு

செயல்கள் - லிங்கார் புதுக்கோட்டை அவும் கல்வி பொறியியல் வருடான விளையாட்டு

17 ஆக்டோபர் 2019

புதிய கல்வி பொறியியல் வருடான விளையாட்டு

செயல்கள் - லிங்கார் புதுக்கோட்டை அவும் கல்வி பொறியியல் வருடான விளையாட்டு
24th September 2019