



NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI

INSTITUTE DAY 2020

6th March 2021

A Report on
Achievements

**NATIONAL INSTITUTE OF TECHNOLOGY:
TIRUCHIRAPPALLI**

Tamil Nadu - 620 015

The National Institute of Technology, Tiruchirappalli continues to remain first among the 31 NITs (fifth in a row) and Ninth among all the technical institutes in the country by the National Institute Ranking framework (NIRF) of the Government of India. Established as the Regional Engineering College (REC) in 1964, the salubrious campus became NIT, Tiruchirappalli in 2007 and is an Institution of National Importance under MHRD, Government of India. The President of India is the visitor of the Institute.

NIT, Tiruchirappalli follows credit-based academic programmes with flexible curricula, minor specializations, flipped class rooms and new evaluation models. The Institute has won the prestigious CII-AICTE best industry linked institute, National level awards from FICCI for social responsibility and University of the year 2017 (above 30 years) and from ASSOCHAM for the best institute to use ICT tools in education. NIT, Tiruchirappalli has been declared the Best Innovation Club at the Festival of Innovation and Entrepreneurship (FINE) held at Rashtrapathi Bhawan in 2018, by the President of India. NIT Trichy became the only NIT among the thirty-one NITs in the country to be awarded a position in the Swacch Campus Rankings (2018). NIT also bagged the Green Campus Award conferred by TNPCB. The institute also received High Impact Entrepreneurship Campus Award jointly awarded by the Ministry of Skills Development and Entrepreneurship.

NIT, Tiruchirappalli has forged links with peer universities and institutes, both at the national as well as international levels, to enhance research and enrich its academic programmes. The alumni have distinguished themselves through their achievements in and contributions to the domains of industry, academics, research, business, and governance. The institute continues to work closely with the alumni to enhance its activities through interactions in academic and research programmes as well as to mobilise financial support. The Institute has 17 Academic departments and runs 10 UG Programmes, 28 Masters Programme, MS by Research and Ph.D. Programmes in major fields of Engineering, Sciences, Humanities and Management.

UNDERGRADUATE PROGRAMMES

A. Bachelor of Technology (8 Semesters)

1. Chemical Engineering
2. Civil Engineering
3. Computer Science and Engineering
4. Electrical and Electronics Engineering
5. Electronics and Communication Engineering
6. Instrumentation and Control Engineering

7. Mechanical Engineering
8. Metallurgical and Materials Engineering
9. Production Engineering

B. Bachelor of Architecture (10 Semesters)

1. Architecture

II. POSTGRADUATE PROGRAMMES

A. Master of Technology (4 Semesters)

1. Chemical Engineering
2. Process Control and Instrumentation
3. Transportation Engineering and Management
4. Construction Technology and Management
5. Structural Engineering
6. Environmental Engineering
7. Data Analytics
8. Computer Science and Engineering
9. Energy Engineering
10. Power Electronics
11. Power Systems
12. Communication Systems
13. VLSI System
14. Industrial Safety Engineering
15. Thermal Power Engineering
16. Material science and Engineering
17. Industrial metallurgy
18. Welding Engineering
19. Industrial Engineering and Management
20. Manufacturing Technology
21. Non-Destructive Testing

B. Master of Architecture (4 Semesters)

1. Energy Efficient and Sustainable Architecture

A. Master of Science (4 Semesters)

1. Chemistry
2. Computer Science
3. Mathematics
4. Physics

B. Master of Business Administration (6 Trimesters)

C. Master of Computer Applications (6 Semesters)

III. Master of Science (By Research)

All Engineering Departments

IV. Doctor of Philosophy

All Departments

Vision

To be a university globally trusted for technical excellence where learning and research integrate to sustain society and industry.

Mission

- To offer undergraduate, postgraduate, doctoral and modular programmes in multi-disciplinary / inter-disciplinary and emerging areas.
- To create a converging learning environment to serve a dynamically evolving society.
- To promote innovation for sustainable solutions by forging global collaborations with academia and industry in cutting-edge research.
- To be an intellectual ecosystem where human capabilities can develop holistically.

Director's Message

Institute Day 2020



Greetings!

Our Chief Guest Shri. Vikas Swarup, Secretary (West) Ministry of External Affairs, Govt. of India, Chairperson BoG Shri. Bhakar Bhat, Deans, HODs, Registrar, Faculty, Staff, student achievers, parents, media representatives, ladies and gentlemen.

Today we have gathered here to celebrate achievements of the NIT Trichy community. For the world, 2020 was the most difficult year, and it was no different for the Institute, as the pandemic raged from March 2020. We witnessed unprecedented disruption to the education system!

I am glad we had the will power, infrastructure, and resources to adapt quickly to the new norm, as we could read the signs knowingly or unknowingly. Not only we were/are just adapting, our records show that we have, indeed, continued to perform and reach newer heights since March 2020! Resilience showed by Faculty, staff and students are appreciated and my congratulations to all!

I wish to highlight some of the achievements of 2019-20, I am proud say that we are the only NIT to achieve these feats!

1. Our rankings in NIRF have improved, again. We made an impact, 5th year in a row by moving to 9th position in the Engineering category in 2020 and No.1 position among all the NITs. The Institute has improved on all the NIRF parameters over the years. NIRF Task Force and Data Intelligence Team co-ordinated to achieve the recognition. Congratulations!
2. I am happy to announce that NIT Tiruchirappalli is the only NIT to appear in the QS world University Rankings by subject announced on 4th March 2021, we are in the 451-500 rank bracket in both Electrical & Electronics and Mechanical Sciences. Congratulations!
3. The Institute is now a part of the National Supercomputing Mission (NSM) a Supercomputer is being installed at an investment of Rs. 19 Crores. I congratulate Dr. Ramakalyan and team who submitted the proposal.
4. We have an exclusive Innovation Facilitation Centre set up by the National Research Development Corporation (NRDC)
5. We inaugurated a new Centre of Artificial Intelligence, IOT and Intelligent machines. Few more Centres of Excellence are being commissioned. We invested around Rs. 300 Crores to promote interdisciplinary research in the last 3 years. My Congratulations to the former Dean R&C Dr.M.Umapathy and his team, and the coordinators of all the CoEs.
6. We are part of the Prime Minister's Research Fellowship (PMRF) mission, being in the top 25 Institutions in India.

Our strategic plan, which was unveiled 2 years ago and implemented effectively, with periodic review and follow up, has kept us on track and shown results in terms of publication, patents and projects.

1. Publications in Web of Science journals in 2019 were 768 and in Scopus indexed journals were 1160 an increase of 35% with 73% in Q1 and Q2 quartiles indicating the superior quality of our publications
2. In 2019-20, 40 Sponsored projects have been awarded amounting to Rs.34 Crores. Consultancy revenue increased to Rs. 6 Crores, thanks to the consistent efforts of the faculty and to the CoE in Manufacturing. ISRO Space Technology Innovation Centre is executing 6 projects to the tune of 1.6 Crores.
3. The Institute has published 20 Patents and 2 were granted in 2019 which is a significant leap in the history of our Institute
4. Our ties with Industry and sister Institutions are becoming stronger, with signing of MoUs with IIT Delhi, MSME, NRDC, C-DAC, Tata Steel, Texas Instruments, Micron, Nvidia, Tamil Nadu National Law University and CPRI to name a few
5. By the Atal Innovation Rankings-2020- NIT Trichy is in the top 25 among Govt. Institutions.

We are entrusted many responsibilities by the Ministry of Education and NIT Trichy successfully completed the coordination of CSAB (Central Seat Allocation Board) 2019 smoothly. I congratulate Dr. S.T. Ramesh and Dr. G Subbaiyan, the CSAB coordinators for this feat.

Top Faculty performers were recognized for their overall performance on 5th September 2020, Teachers day and 27 Faculty won Best Performer Awards under 5 different cadres, in 4 different streams. For the first time, Research Scholars were also evaluated for Budding Researcher Award. We also recognized 3 Staff members for their contributions.

NIT Trichy saluted the COVID warriors of the Institute during the Independence day 2020. Congratulations to the Medical team for keeping us healthy, Security team for the safe and secure campus, Computer Support group for online support, Dean SW and Hostel administration for managing the students, Dean FW & Recruitment cell for the photo finish Faculty recruitment. The Student Council, Snehith Galla and his team for all the help. Special thanks to the Academic Office, Dr.S.Shanmugam, former Dean Academic and his team. Gratitude to Mr.A. Palanivel and Prof. L. Cindrella Former Registrars, all ARs and Main office staff for uninterrupted pay cheques & more. We are tackling COVID well!

The Institute has become more vibrant and younger with the addition of 68 new Faculty members during the Pandemic, including 21 Women faculty, adding geographic, demographic and cultural diversity to the Campus community.

If the recruitment drive brought two generations of intellectual pursuit together, the Global Alumni meet, hosted along with RECAL on 4th January 2020 in Chennai brought 1200 Alumni

from across the world. The meet resulted in a promise of 4 projects that include a heritage Centre which will be a reality soon. Dr. Raman Sankaranarayanan, Former Dean (ID & AR) and his team along with RECAL co-ordinated this event, thank you!

We have not only been making strides in teaching and research! In a significant development, to make the campus eco-friendly and sustainable, we initiated a large scale greening of the campus and, accordingly, we planted 6000+ saplings in the last 2 years. A small Miyawaki forest is in the making.

While I am proud of the achievements of NIT Trichy on all aspects so far, we have much more potential yet to be realized.

With the Ministry of Education preparing to implement the National Education Policy, we must prepare ourselves to embrace some of the features which will propel the Institute further, towards achieving our Strategic Plan goals. We are already aligned with NEP2020, with flexible curriculum, credit transfer from few Institutions, collaborations with Industry and research Institutions to name a few. We are already a Multidisciplinary Educational and Research Institution (MERU) with 17 Departments in Engineering, Sciences, Humanities, Management studies, and we started an MA program in English, M.Tech. in Geotechnical Engineering and M.Tech. Industrial Automation this academic year. We are also moving toward starting online PG Degree programs in line with increasing the GER, as per NEP 2020. We are appointed the National MOOCs coordinator for UG and PG Engineering programs by the MoE, and are in the process of developing new courses for SWAYAM platform.

With the National Research foundation being established soon and moving to teaching Engineering in Regional Languages, we have much to challenge ourselves as NEP gets implemented, I request all stakeholders to be ready to develop innovative solutions, and contribute more to the society and neighbourhood around us.

I wish to place on record, my sincere gratitude to Shri. Vikas Swarup for sparing his time today and big thank you to Chairperson Shri. Bhaskar Bhat.

My congratulations to all Institute medal winners, Endowment and Alumni award winners. Special congratulations to the sports contingent, festember and pragyan teams of 2019-20!

Let us all work diligently as a team to make this institution reach newer heights.

Jai Hind!

Dr. Mini Shaji Thomas

**Director
National Institute of Technology, Tiruchirappalli
March 2021**

INSTITUTE ADMINISTRATION

Director	Dr. Mini Shaji Thomas
Dean (Faculty Welfare)	Dr. (Mrs). L. Cindrella
Dean (Academic)	Dr. S. Shanmugam
Dean (Students Welfare)	Dr. N. Kumaresan
Dean (Institute Development & Alumni Relations)	Dr. S. Raman Sankaranarayanan
Dean (Planning and Development)	Dr. M. Duraiselvam
Dean (Research and Consultancy)	Dr. M. Umopathy
Registrar	Dr. (Mrs). L. Cindrella (i/c)
Chief Vigilance Officer	Dr. T. N. Janakiraman
Nodal Officer (SC, ST, OBC, PwD and Minorities)	Dr. M. Punniyamoorthy
HoD / Architecture	Dr. G. Subaiyan
HoD / Chemical Engineering	Dr. (Mrs). K. M. Meera S. Begum
HoD / Chemistry	Dr. (Mrs).S. Velmathi
HoD / Civil Engineering	Dr. G. Swaminathan
HoD / Computer Applications	Dr. P. J. A Alphonse
HoD / Computer Science and Engineering	Dr. Rajeswari Sridhar
HoD / Electronics and Communication Engineering	Dr. P. Muthuchidambaranathan
HoD / Electrical and Electronics Engineering	Dr. V. Sankaranarayanan
HoD / Energy and Environment	Dr. N. Anantharaman
HoD / Humanities and Social Sciences	Dr. R. Joseph Ponniah
HoD / Instrumentation and Control Engineering	Dr. G. Uma
HoD / Management Studies	Dr. P. Sridevi
HoD / Mathematics	Dr. V. Lakshmana Gomathi Nayagam
HoD / Mechanical Engineering	Dr. A R. Veerappan
HoD / Metallurgical and Materials Engineering	Dr. S. Kumaran
HoD / Physics	Dr. M. Ashok
HoD / Production Engineering	Dr. R. Jeyapaul
HoD / Training Placement	Dr. A. K. Bakthavatsalam
HoD / Computer Support Group	Dr. Ramakalyan Ayyagiri
Associate Dean (Faculty Welfare)	Dr. C. Sathiya Narayanan
Associate Dean (Faculty Welfare)	Dr. A. Arunagiri
Associate Dean (Academic / UG)	Dr. V. Mariappan
Associate Dean (Academic / PG)	Dr. P. Srinivasa Rao Naik
Associate Dean (Academic / MS & Ph.D.)	Dr. C. Mala
Associate Dean (Academic)	Dr. R. Gandhimathi
Associate Dean (Hostel Convener / Boys)	Dr. S. Suresh
Associate Dean (OPAL Hostel / Girls)	Dr. R. Manjula
Associate Dean (Students Welfare)	Dr. J. Jerald
Associate Dean (Planning and Development)	Dr. P. Gopalakrishnan
Associate Dean (Planning and Development)	Dr. M. P. Selvan
Associate Dean (Planning and Development)	Dr. S. Moorthi
Associate Dean (Institute Development & Alumni Relations)	Dr. Nisha Radhakrishnan
Associate Dean (Institute Development & Alumni Relations)	Dr. D. Ezhilarasi
Associate Dean (Research and Consultancy)	Dr. M.C. Santhosh Kumar
Associate Dean (Research and Consultancy)	Dr. V. Sunitha

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A REPORT ON ACHIEVEMENTS

BY

DEAN (ACADEMIC)

Seasons' greetings and a very good morning to each one of you.

Distinguished chief guest **Shri Vikas Swarup**, Secretary (West), MEA, Govt of India, and a prolific author, Honourable Chairman of the board of Governors **Shri Bhaskar Bhat**, Respected Madam Director **Prof. Mini Shaji Thomas**, Registrar, Deans, Heads of various departments, Members of the faculty, staff, beloved students and their parents, the student council, Alumni of this prestigious institution, invited guests, the Press and other media representatives.

It gives me immense pleasure welcoming each one of you to this 57th Institute Day celebrations at the National Institute of Technology Tiruchirappalli. With the magical foresight of former Principals and Directors, continuous influx of talented faculty, bright students, and sincere staff we continue the academic mountaineering. For the year 2019-20, I proudly present the gist of our achievements, in addition to several publications in journals and conferences.

1. 2019 convocation statistics and highlights

We have a substantial number 863 of undergraduates, a sizeable number 760 of postgraduates, and a remarkable number 98 of research scholars, totalling to 1,721 students who were awarded the degree during the 15th convocation 27th July, 2019. The President of Nanyang Technological University (NTU), Singapore, Prof. Subra Suresh, the President delivered a scintillating convocation address.

2. Department-wise significant contributions by the faculty & students

Architecture: Dr. K. Thirumaran co-authored with Kiruthiga Kandasamy and published a book by Springer publications. Dr. K. Thirumaran and Dr. Samson Mathew were awarded a sponsored project for Rs.6.51 lakhs from TEQIP.

Chemical Engineering: Dr. P. Kalaichelvi received Distinguished women award from CARD of Venus Foundation. Dr. J. Sarat Chandra Babu has been granted two projects worth of Rs.86.78 lakhs from ISRO and MHRD. Dr. Sarat Chandra Babu had also carried out consultancy services for Rs.23.6 lakhs from BHEL, Trichy. Dr. M. Perumalsamy was awarded a project worth Rs.26.30 from DBT. The department organized one International Conference and four workshops during this academic year. A research scholar from the department received best oral presentation award in an international conference organized by NIT Allahabad.

Chemistry: Dr.S. Velmathi was chosen as Elected Member by NASI, Allahabad. Dr.S. Anandan was awarded Prof. P. B. Punjabi award-2020 by ACT, Mumbai. Dr.S. Anandan had

also received a grant of Rs.68 lakhs under SPARC Scheme. He was honoured with top 2% of world chemistry researchers by Stanford University. Dr. Ganesh Chandra Nandhi, Dr. Sarthak Mandal and Dr.S. Velmathi received three SERB sponsored projects worth Rs.76 lakhs. The department has carried out consultancy works worth Rs.29.28 lakhs. The department was sanctioned with Rs.2.37 crores by DST-FIST. A research scholar Mr. N. Vijay was selected for SERB OVD Fellowship to work in the Department of Applied Chemistry, National Chiao Tung University, Taiwan for six months during August 2019-January 2020.

Civil Engineering: Dr.S. Marisamynathan was awarded DUO-India Faculty Fellowship with Financial Support of 3000 Euros from New Castles University, UK. Dr.S. Jayalekshmi received Icon SWM Excellence Award 2019 from KIIT University, Bhubaneswar. Dr.Nisha Radhakrishnan received sponsored project worth Rs.34.03 Lakhs from SERB – IMPRINT. Dr.Jeevan Joseph has received research grant of Rs.29.00 Lakhs from DST-SERB. Dr.Sunitha V received Rs.20.50 Lakhs as project grant from NRRDA. Dr.K. Muthukkumaran was granted with two patents and Dr.V. Sunitha has filed one patent. One of the students of the department was awarded IconSWM Excellence Award 2019 and Best Doctoral Research award.

Computer Applications: Dr.B. Janet and Dr.R. Eswari have published books with publishers of high repute, Taylor & Francis and CRC Press. Their research papers along with students have appeared in scopus indexed lecture notes published by Springer Verlag. The department conducted six workshops during this academic year.

Computer Science & Engineering: Dr.A. Santhanavijayan received the Best Paper Award in an IEEE International Conference on Information Processing. Dr.Rajeswari Sridhar received a research grant of Rs.44.68 lakhs under SPARC scheme. Dr.C Mala and Dr.M. Sridevi received two projects worth Rs.19 lakhs research grant from NPOL – DRDO, Cochin. Dr.Rajeswari Sridhar & her team and Dr.M. Sridevi & her team were sanctioned with consultancy project work amounting to Rs.32.69 Lakhs from Fidelity Investments, Bangalore and BHEL, Trichy. Dr.M. Brindha and Dr.M. Sridevi have developed a Mobile App named “Thirumathikart” for Self-promotion of SHG Products. The department organized one International Conference, one National Conference and four workshops during this academic year.

Energy and Environment: Dr.A.K. Bakthavatsalam filed a patent. The CL-DEE laboratory has got upgraded to NABL accreditation standards (from ISO 17025:2005 to ISO 17025:2017) and for doing onsite calibration. The department has organized three workshops.

Electrical and Electronics Engineering: Dr.S. Moorthi received project grant worth Rs. 55.44 lakhs from MEITY - NAMPET III. Dr.P. Srinivasa Rao Nayak received Rs.32.4 lakhs as project grant from CPRI. Dr.M. Jaya Bharata Reddy was awarded Rs.31.56 lakhs from SERB. Dr. Vivek Mohan received Rs.26.92 lakhs under SPARC Scheme. Dr.M.P. Selvan and

Dr.N.Kumaresan carried out consultancy work for M/s. Megawin Switchgear worth Rs.0.5 lakh. Prof.K. Sundareswaran was honored with top 2% of world electrical engineering researchers by Standford University The department has organized the 9th National Power Electronics Conference. The department has also filed one patent during this academic year.

Electronics and Communication Engineering: Dr.P. Muthuchidambaranathan and Dr.R.Pandeeswari from the department received Rs.73 Lakhs and Rs.48 lakhs under SPARC Scheme. Dr.R.K.Jeyachitra received Rs.50.21 as research grant from SERB. Dr.B.Venkataramani, Dr.G.Lakshminarayanan and Dr.B.Malarkodi received three projects worth Rs.39.73 lakhs. Dr.G.Lakshminarayanan carried out sponsored research projects worth Rs.2.695 lakhs and filed one patent. The department organized one international conference, two seminar series and seven workshops. Dr.V.Krushna Kanth, Research Scholar under the guidance of Dr.S.Raghavan, won the first prize in Individual-open category in the DRDO-Dare to Dream Innovation Award on October 2019 at DefExpo 2020, organized by the Department of Defence Production, Ministry of Defence, Government of India.

Humanities and Social Sciences: Dr.S.Mekala was granted funding for workshops from AICTE under Margdarshan scheme and ICSSR under IMPRESS scheme with Rs.3.63 lakhs. The department published two books/book chapter with Germany: Lambert Academic Publishing Limited and Routledge. A total of four workshops were organized by the department during this year.

Instrumentation and Control Engineering: Dr.K.Dhanalakshmi was elected as Fellow by Institution of Engineers, India. Dr.N.Sivakumaran was given an extension of Young Faculty Research Fellowship (YFRF) under Visvesvaraya PhD Programme under MEITY Scheme. Dr.P.A. Karthick received Duo-India Professor Fellowship (2019) award by Asia-Europe Vision Group. Dr.P.A. Karthick also received Rs.49.36 under SPARC Scheme. Dr.C. Geetha was granted with Rs.27 lakhs from SERB under Startup Research Grant. Dr.D. Ezhilarasi and Dr.R.Periyasamy have two projects worth Rs.25.1 from DEBEL, DRDO and SERB respectively. Dr.M.Umapathy was granted projects from SPARC and ISRO- RESPOND worth Rs. 84.19 lakhs. Dr.N. Sivakumaran and Dr.R. Periyasamy accomplished consultancy projects worth Rs.20 and Rs.1.1 lakhs. Dr.G. Uma and Dr.M. Umapathy were granted with two patents. Dr.Ramakalyan Ayyagari published a reference book on Control Systems with CRC Press USA. He delivered an invited talk at the International Federation of Automatic Control (IFAC) Symposium on Advances in Control Education, Philadelphia, USA. Ms.Sharmila Devi, research scholar, visited University of Delaware, USA for 4 months during September-December 2020 for a collaborative research in Control Engineering and Intelligent Transportation Systems. The department organized one International Conference and six workshops. Dr.M.Umapathy, Dr.G. Uma and Dr.R. Periyasamy started PrognostiK Healthcare Instruments Pvt. Ltd. under Faculty start-up Scheme.

Management Studies: Dr. G. Muruganantham organized ICSSR Sponsored Two Week Capacity Building Programme for Young Social Science Faculty. Dr. Nivethitha was offered as a visiting faculty at University of Passau, Germany. The department conducted 11 workshops and arranged 22 guest lectures.

Mathematics: Dr.V. Lakshmana Gomathi Nayagam served as subject expert for JEE (Main). The department organized one International conference, one international workshop, and one national conference and four national workshops.

Mechanical Engineering: Dr.Ashok Kumar Nallathambi was offered International - Host for the ASEAN- India Research and Training Fellowship (AIRTF) fellowship for Dr. Nyein Nyein Linn, Mandalay Technological University, Myanmar. Dr. Ashok Kumar also received Rs.30.51 lakhs from SERB under start-up grant. Dr.R. Anand was awarded Rs.49.97 lakhs as research grant from DST-BRICS. Dr.S. Suresh was honored with top 2% of world mechanical engineering researchers by Standford University. The department carried out consultancy work for Rs.5.5 lakhs. The department has filed four patents and published 2 patents.

Metallurgical and Materials Engineering: Dr.D. Nagarajan, Dr.N. Ramesh Babu, Dr.K. Siva Prasad, Dr.V. Muthupandi, Dr.S. Kumaran were granted projects from various agencies – DST, SERB, SPARC, ISRO-RESPOND – to the tune of 243 Lakhs. The department also made a revenue of Rs.33.4 Lakhs from consultancy projects. Dr.S. Muthukumaran filed 3 patents including one joint patent with Dr.G. Arthanareeswaran of Chemical Engg. Department.

Physics: Dr.R. Nagalakshmi received Young Scientist Award from Academy of Sciences, Chennai. Dr.R. Nagalakshmi also obtained a research project worth Rs.22.58 Lakhs from CSIR-HRDG. The students of the departments were awarded with best oral presentation in International conferences and a student was awarded with DST-SERB travel grant. The department organized one national conference and one guest lecture during the academic year. A patent was also filed by the department.

Production Engineering: Dr.M. Duraiselvam was awarded Rs.22.74 Lakhs from GTRE, Bangalore, Government of India and accomplished consultancy projects worth Rs.92.23 Lakhs. He was also nominated from India to participate in International Forum on Smart Manufacturing and Launching Ceremony for the APO Center of Excellence on Smart Manufacturing, Taichung, Taiwan. Prof.R. Narayanasamy and Dr.S. Vinodh of this department were honoured with top 2% of world mechanical/production engineering researchers by Standford University. The department organized one seminar and one workshop, and filed four patents during this academic year.

Other major student accomplishments are 3 Cargill fellowships, 1 Tezos fellowship, 2 Baden-Wurttemberg scholarships, 10 DAAD, 47 MITACS, and 20 DeITY scholarships. My hearty congratulations to respective students.

3. Highlights of Festember 2019 & PRAGYAN 2020

Festember 2019, themed 'Cinema Paradiso' was held from 4th to 6th October, 2019. This globally popular cultural festival exclusive to our NIT hosted 68 events, 11 workshops, and 7 informal events, which were loaded with fun and frolic, completely engaging and cheering a broad spectrum of audience. The grand finale was the professional entertainment show by Benny Dayal made Festember '19 one of the most memorable festivals.

The institute is also popular for another mega ISO certified techno-managerial show named Pragyan. Organising 30 odd events sorted into 7 clusters, capturing the exuberance of the technical and managerial worlds is not a small feat to accomplish in a limited amount of time. With Guest Lectures and Events that host prestigious experts from various fields of science, technology and management, the fest has built up an impressive reputation that precedes it, and attracts students from various parts of the country every year to enrich themselves. With "Pixel" as its theme, this edition of Pragyan geared up to pay homage to the numerous constituents of the world around us.

I place on record the meticulous planning of the event that was scheduled to happen during 13th to 15th March 2020, which was, unfortunately, aborted due to the lockdown.

4. Inter-department Sports fete etc.

On 23rd September 2019, the flagship marathon was conducted in the presence of former Indian athlete, Asian Games medallist, Arjuna awardee Padmini Thomas. Sportsfete '19, the annual inter-departmental sports festival of NIT-Trichy, was held during 27th to 30th September 2019. For the first time, pre-fest games were organised for the general audience. The inauguration was followed by a march-past participated by students from all the departments. The Sportsfete witnessed a significant participation by girls. There were 18 events successfully conducted in the spirit of fair sportsmanship for both boys and girls. The inclusion of hockey and kabaddi for girls in this edition of Sports fete was a great success.

Our student-sportsmen and women have brought laurels to the institute winning the overall Gold medal in Athletics, Badminton (Women), Swimming (Men & Women), and Volleyball (Women)

5. Concluding Remarks

While I sincerely thank all the achievers for pouring in their relentless contributions to this institute, let us all reflect upon the determination, dedication, and discipline we have put in so far, and pledge to invigorate our spirits to mountaineer higher peaks in the forthcoming years.

Jai Hind.

Prof. Ramakalyan Ayyagari

Dean, Academic

ACHIEVEMENTS BY FACULTY

a. Publications (Scholarly Output and Publications in Q1 Journal Quartile by SJR)

S. No.	Name of the Department	Publications (2019)		Publications in Q1 Journal Quartile by SJR*
		Web of Science	Scopus	
1.	Architecture	2	5	0
2.	Chemical Engineering	77	85	38
3.	Chemistry	78	80	33
4.	Civil Engineering	31	45	10
5.	Computer Applications	19	82	6
6.	Computer Science Engineering	20	56	1
7.	Electrical and Electronics Engineering	34	64	24
8.	Electronics and Communication Engineering	43	111	7
9.	Energy and Environment	6	12	5
10.	Humanities and Social Sciences	2	15	0
11.	Instrumentation and Control Engineering	22	36	3
12.	Management Studies	6	21	2
13.	Mathematics	15	28	6
14.	Mechanical Engineering	77	98	24
15.	Metallurgical and Materials Engineering	71	109	16
16.	Physics	71	79	25
17.	Production Engineering	88	121	20
Total		662	1047	220

(Note: SJR: [Scimago Journal & Country Rank](#)) Q1 to Q4 refer to journal ranking quartiles within a sub discipline using the SJR citation index. Thus, a first quartile journal (i.e., Q1) has an SJR in the top 25% of journals for at least one of its classified sub disciplines. SCImago Journal Rank (SJR indicator) is a measure of scientific influence of scholarly journals that accounts for both the number of citations received by a journal and the importance or prestige of the journals where such citations come from.

b. Sponsored projects, Consultancy projects and Short-term courses for the Financial year 2019-20

S. No.	Departments	Sponsored Projects		Consultancy (in Lakhs)	Revenue through short term courses (in Lakhs)
		Nos.	Values (in Lakhs)		
1.	Architecture	0	0	0.18	0
2.	Chemical Engineering	0	0	6.0	5.3
3.	Chemistry	8	398	10.7	1.4
4.	Civil Engineering	2	54.5	310	1.95
5.	Computer Applications	0	0	0	1.32
6.	Computer Science Engineering	2	54	0	0.125
7.	Electrical and Electronics Engineering	3	75	3.7	48.74
8.	Electronics and Communication Engineering	5	214	1.88	1.6
9.	Energy and Environment	0	0	1.13	0.064
10.	Humanities and Social Sciences	0	0	0	1.1
11.	Instrumentation and Control Engineering	5	179	9.6	3.05
12.	Management Studies	0	0	83.8	5.5
13.	Mathematics	0	0	0	2.13
14.	Mechanical Engineering	2	96.2	14.23	26.0
15.	Metallurgical and Materials Engineering	5	243	33.4	19.56
16.	Physics	4	81.2	0.68	0.22
17.	Production Engineering	2	42.52	35.42	0.16
18.	Institute	1	1712		
Total		39	3151	510.72	118.29

C. Details of Sponsored projects for the Financial year 2019-20

S. No	Name of PI/Co-PI	Department	Title of the Project	Funding Agency	Sanctioned amount (Rs.)	Sanctioned Date
1.	Dr. L. Cindrella	Chemistry	Development of Unitized MEAs and Fuel cell system integration (1 KW) for Stationary and Transportation Applications	SPARC	9127700	12-04-2019
2.	Dr. S. Anandan	Chemistry	Ultrasonically synthesised microspheres for biomedical and Food industries	SPARC	6850927	12-04-2019
3.	Dr. Sreekanth A	Chemistry	Design and Synthesis of Sugar-orphyrin Conjugates and its metal complexes for the application of photodynamic Therapy	CSIR	1716000	01-07-2019
4.	Shri N. Vijay Research Scholar under Dr. S. Velmathi, professor Research Supervisor	Chemistry	SERB - Overseas Postdoctoral Fellowship	SERB-OPDF	940000	27-05-2019
5.	Dr. Somenath Garai	Chemistry	Boosting the H2 Economy by Harnessing the beauty of Encapsulation Chemistry: Augmented Kinetics for Water Splitting Reaction under Confinement	DST - HFC	6642259	09-10-2019
6.	Dr. Sarthak Mandal	Chemistry	Unravelling the Dynamics of Excitation-Energy and Electron Transfer Processes in Artificial Photosynthetic Systems	SERB-SRG	2629000	24-10-2019
7.	Dr. Somenath Garai	Chemistry	Photo induced Electron Transfer and Facile Charges Separation for Energy Applications.	SPARC	4968035	13-05-2019
8.	Dr. Somenath Garai	Chemistry	Nano- encapsulation driven synergistic activation of carbon dioxide into fuel	DST	6942452	25-11-2019

9.	Dr. Nisha Radhakrishnan	Civil Engineering	Development of an Integrated Health Monitoring System for Large Engineering Structures	SERB-IMPRINT	3403400	13-11-2019
10.	Dr. V. Sunitha	Civil Engineering	Performance Assessment of Roads Constructed using Wastic Plastics	NRRDA	2050000	09-09-2019
11.	Dr. R. Deendayal	Civil Engineering	SERB - TARE Grant	SERB-TARE	1005000	23.01.2020
12.	Mentor Dr. K Baskar PI Dr. Arun.M	Civil Engineering	SERB-TARE Grant	SERB-TARE	1830000	31.10.2019
13.	Dr. S. Domnic	Computer Applications	Artificial Intelligence based integrated logistics management system (ILMS) for Indian navy (Air)	DRDO	2222080	27.03.2020
14.	Dr. M. Sridevi	Computer Science Engineering	Design and Development of Linux Software Development Kit optimized for e6500 processor architecture	NPOL-CARS	963470	25-10-2019
15.	Dr. Rajeswari Sridhar	Computer Science Engineering	Digital Health Records Storage and Analysis for Healthcare Provisioning of Global Patients. An India - Australia Initiative.	SPARC	4478614	11-06-2019
16.	Dr. Vivek Mohan	Electrical and Electronics Engineering	Potential Peer to Peer Transactive Energy Market in Indian Power Distribution Systems	SPARC	2691850	12-04-2019
17.	Dr. P. Srinivasa Rao Nayak	Electrical and Electronics Engineering	Design, Implementation and Wireless Power Transfer and PV System for Battery Chargin of Passenger e-Bus	CPRI	3240138	13-05-2019
18.	Dr. Sishaj P.Simon	Electrical and Electronics Engineering	DST ID-EDG3 Project along with IIT Roorkee and IISC Bangalore as partnering Institution "Indo-Danish collaboration for data-driven control and optimization for a highly Efficient Distribution Grid (ID-EDGe)"	DST Project through IIT	1580832	04-10-2019

19.	Dr. M. Venkata Kirthiga	Electrical and Electronics Engineering	Internet of Energy based interactive Residential Load management system	SERB-MATRICS	660000	17.02.2020
20.	Mentor Dr. Saravana Ilango PI Dr. Bharatiraja	Electrical and Electronics Engineering	Design And Development Of A Resilient Building Integrated Photo - Voltaic Grid Connected Dc Fast Electric Vehicle Charging System For Indian Prospects Serb - Tare Grant	SERB-TARE	1830000	06.11.2019
21.	Dr. P. Muthu Chidambaranathan	Electronics and Communication Engineering	Self-Energised UAV-assisted Communications for 5G Wireless Networks	SPARC	7323215	12-04-2019
22.	Dr. R. Pandeewari	Electronics and Communication Engineering	Metamaterial-Based Low Profile LTCC Balanced Antipodal Vivaldi Antenna for 5G eMBB	SPARC	4864275	12-04-2019
23.	Dr. V. Sudha	Electronics and Communication Engineering	MIMO-GFDM Systems for 5G eMBB Services	SERB	2088648	14-11-2019
24.	Dr. Jeyachitra R K	Electronics and Communication Engineering	Efficient Modulation Format Recognition and Optical Performance Monitoring for Intelligent Management of Future Optical Communication Networks	SERB	5021440	03.12.2019
25.	Dr. B. Venkataramani	Electronics and Communication Engineering	Design and Development of 14-bit 10 MSPS 50mW SAR (Successive Approximation Register) ADC in 180nm CMOS technology	ISRO-RESPOND	2088000	11.12.2019
26.	Dr. M. Umapathy	Instrumentation and Control Engineering	Self-Powered Sensor System for Condition Monitoring of Nuclear Waste Packages	SPARC	6732355	12-04-2019
27.	Dr. R. Periyasamy	Instrumentation and Control Engineering	Development of Differential Multimodal Spectral Imaging system to detect foot sole risk areas in Diabetic Patients.	DST-SERB	1834260	30-04-2019
28.	Dr. P. A. Karthick	Instrumentation and Control Engineering	Novel human machine Interaction Technology for the Tetraplegocs	SPARC	4936420	25-06-2019

29.	Dr. M. Umapathy	Instrumentation and Control Engineering	Health Monitoring and Fault Diagnosis of Turbo pumps of Liquid Rocket Engines (LREs) using Deep Learning Neural Networks	ISRO-RESPOND	1687000	11.12.2019
30.	Dr. Geetha C	Instrumentation and Control Engineering	RFID based wireless sensors for surface crack monitoring	SERB	2706500	18-12-2019
31.	Dr. R. Anand	Mechanical Engineering	Environmental and Energy Impacts of Higher Alcohol and Biofuel Synthesis by Thermochemical Process	SPARC	6572355	12-04-2019
32.	Dr. Ashok Kumar Nallathambi	Mechanical Engineering	Experimental investigation of thermal cracking due to rewetting phenomena during metal quenching process	SERB	3051180	14-12-2019
33.	Dr. Ashok Kumar Nallathambi	Mechanical Engineering	Hot Tearing during Solidification Engineering Sciences	DST-ASEAN	330000	04.02.2020
34.	Dr. D. Nagarajan	Metallurgical and Materials Engineering	Formability Analysis of Magnesium AZ31Alloy Sheets During the Incremental Forming Process:'	SERB ECR	861885	26-06-2019
35.	Dr. N. Ramesh Babu	Metallurgical and Materials Engineering	Development of Nanostructured Titanium Implants with Bioactive and Antibacterial Composite Coatings for Dental and Maxillofacial Applications	DST INT-RUSSIA	9403920	01-07-2019
36.	Dr. K. Sivaprasad	Metallurgical and Materials Engineering	Additive manufacturing of next generation alloys.	SPARC	7829935	30-04-2019
37.	Dr. V. Muthupandi	Metallurgical and Materials Engineering	Understanding the forming behavior of C103 alloy in different treated conditions for rocket engine nozzle applications	ISRO-RESPOND	3262000	11.12.2019

38.	Dr. S. Kumaran	Metallurgical and Materials Engineering	Development of Multi-Component refractory alloy carbides for extreme operating environment by Spark Plasma Sintering	ISRO-RESPOND	2962000	10-01-2020
39.	Mentor Dr. S. Kumaran PI Dr. Kavimani V	Metallurgical and Materials Engineering	SERB-TARE Grant	SERB-TARE	1830000	14.11.2019
40.	Ms. A. Amirthavarshiny, B.Tech (ICE) Ms. Bhawna Mukhija, M.Sc Physics Mr. Ravi Kumar, M.Sc Physics Faculty Advisor Dr. R. Justin Joseyphus	Physics	Detection of 21 cm line hydrogen spectrum from the galactic plane through background elimination under Department of Space Vikram Sarabhai Innovation Competition (VISION) 2019	DoS	205214	17-06-2019
41.	Ms. Swathi DST Inspire Fellow Dr. R. Nagalakshmi, Associate Professor, Research Supervisor	Physics	DST - Inspire Fellowship	DST-INSPIRE	2118400	05-10-2018
42.	Dr. R. Nagalakshmi	Physics	Synthesis of Organic Nano fibres for Terahertz Wave (T-Ray) Guiding Applications	CSIR-NPL	2650420	05-08-2019
43.	Dr. Annapureddy Venkateswarlu	Physics	Unleashing the full potential of magneto electric coupling in (Ba, Ca) (Ti, Zr) O ₃ based multi-functional composite layered structures for healthier energy harvesting	SERB	3146000	03-12-2019
44.	Dr. V. Anandkrishnan	Production Engineering	Research Work to establish HPTR brazing at GTRE	GTRE-CARS	1976500	04-10-2019
45.	Dr. M. Duraiselvam	Production Engineering	Research work on Laser Micro Cladding of Titanium and Nickel based alloy shafts	GTRE-CARS	2276000	15-10-2019

d. Patents Published in the calendar year 2019

S. No	Title of the Invention	Inventors	Department	Patent. No
1.	Method for Preparing Ibuprofen Crystals Using a Green Solvent and Product Thereof.	1. Dr. T.K. Radhakrishnan 2. Dr. P. Kalaichelvi	Chemical Engineering	201741033366
2.	A solid Waste Barrier Liner Composition for Landfill with Clay and Microsilica.	Dr.G. Swaminathan	Civil Engineering	201941043080
3.	Real-Time Digital Fault Monitoring System for Transmission Lines in Autonomous Power Grids and Method Thereof.	Dr. M. Jaya Bharata Reddy	Electrical and Electronics Engineering	201941022285
4.	Method for Extracting The I-V Curve of the Photovoltaic (Pv) Module.	1.Dr. G. Saravana Ilango 2.Dr. C. Nagamani	Electrical and Electronics Engineering,	201941037604
5.	System and Method for Efficient Energy Extraction from An Existing Solar Pv System	1.Dr. Sishaj P. Simon 2.Dr. K. Sundareswaran 3.Dr. P. Srinivasarao Nayak	Electrical and Electronics Engineering	201741039045
6.	Smart Load Node System for Operating an Appliance and Method Thereof.	Dr.M.P. Selvan	Electrical and Electronics Engineering	201741039083
7.	Complex Multiplier Based Signal Processing System and Method Thereof. Low Multiplier Complexity In-Place Higher Radix Real-Valued Fft Architectures with Modified Processing Element.	Dr.G. Lakshminarayanan	Electronics and Communication Engineering	201741038399
8.	Drowning Detection System and Method Thereof.	Dr. K. Srinivasan	Instrumentation and Control Engineering	201741038209
9.	A Natural Fiber Processing Technique for Uniform GSM Fabrics	Dr. K. Sankaranarayananasamy	Mechanical Engineering	201941020952

10.	Biodiesel from Non-Edible Semecarpus Anacardium Seed Oil and Method Thereof.	Dr. R. Anand	Mechanical Engineering	201941050564
11.	Solar Reverse Thermoelectric Power Generation System and Method Thereof.	Dr. Sivan Suresh	Mechanical Engineering	201941021210
12.	Natural Fiber Reinforced Industrial Safety Helmet	Dr. K. Sankaranarayananasamy	Mechanical Engineering	201841000510
13.	Biodiesel from Aegle Marmelos Correa and a Method Thereof. Preparation of Biocatalyst from Aegle Marmelos Correa Frut Shell for Bio Diesel Production	Dr. R. Anand	Mechanical Engineering	201741037531
14.	A Novel Flux Composition for the Stainless-Steel Smaw Welding Electrodes.	Dr. S.P. Sivapirakasam	Mechanical Engineering	201741039032
15.	Double Shoulder Friction Stir Processing Tool for Coating Application	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	201741041009
16.	Friction Brazing/Soldering Tube to Tube Plate Using a Tool and A Method Thereof. Self-Sealing Type Friction Brazing/Soldering of Tube to Tube Plate using an External Tool	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	201741038449
17.	Membrane for Water Filtration and Method Thereof.	Dr. S. Muthukumaran	Metallurgical and Materials Engineering	201741039055
18.	Durable Cost Effective and Efficient Membrane for Harvesting Drinking Water from Atmospheric Air and Method Thereof.	1.Dr. S. Muthukumaran 2.Dr. G. Arthanareeswaran	Metallurgical and Materials Engineering Chemical Engineering	201741039055
19.	Method for Removal of Nile Blue Dye from Waste Water.	Dr. B. Karthikeyan	Physics	201841002213
20.	A novel PCM based window for improving IAQ in split ac-built space	Dr. A.K. Bakthavatsalam	Training and Placement	201741039073

e. Patents (Granted) in the year 2019 - 2020

S. No.	Title of Invention	Inventors	Department	Patent No.
1.	Apparatus for separating particles using piezoelectric sensor and actuator and a method thereof	Dr. G. Uma Dr. M. Umapathy	Instrumentation and Control Engineering	1707/CHE/2010
2.	An electronic circuit for self-sensing piezoelectric actuator and method of operating thereof	Dr. G. Uma Dr. M. Umapathy	Instrumentation and Control Engineering	1715/CHE/2010

f. Faculty Awards for the year 2019-2020:**Best Performance in Teaching, Research and Institutional Development**

Professor HAG		
S. No.	Name	Department
1.	Dr. L Cindrella	Chemistry
Professor (Engineering)		
1.	Dr. M. Duraiselvam	Production Engineering
2.	Dr. S. Kumaran	Metallurgical and Materials Engineering
3.	Dr. N. Sivakumaran	Instrumentation and Control Engineering
Professor (Sciences)		
1.	Dr. S. Anandan	Chemistry
Associate Professor (Architecture)		
1.	Dr. K. Thirumaran	Architecture
Associate Professor (Engineering)		
1.	Dr. S. Suresh	Mechanical Engineering
2.	Dr. N. Siva Shanmugam	Mechanical Engineering
3.	Dr. R. Anand	Mechanical Engineering
4.	Dr. R. Gandhimathi	Civil Engineering
5.	Dr. S. Domnic	Computer Applications
Associate Professor (HSS)		
1.	Dr. V. Sathyaraj	Humanities and Social Sciences
Associate Professor (Sciences)		
1.	Dr. V. M. Biju	Chemistry
2.	Dr. R. Nagalakshmi	Physics
Assistant Professor Grade I (Engineering)		
1.	Dr. U. Srinivasulu Reddy	Computer Applications
2.	Dr. M. Sridevi	Computer Science and Engineering
3.	Dr. V. Sunitha	Civil Engineering
Assistant Professor Grade II (Engineering)		
1.	Dr. R. Periyasamy	Instrumentation and Control Engineering
2.	Dr. R. Senthilkumar	Civil Engineering
3.	Dr. P. A. Karthick	Instrumentation and Control Engineering
4.	Dr. A. Santhanavijayan	Computer Science and Engineering
5.	Dr. P. Kaushik	Mechanical Engineering
6.	Dr. S. Marisamynathan	Civil Engineering

Assistant Professor Grade II (HSS & Management Studies)		
1.	Dr. S. Nivethitha	Management Studies
Assistant Professor Grade II (Sciences)		
1.	Dr. Sarthak Mandal	Chemistry
2.	Dr. Ganesh Chandra Nandi	Chemistry

**g. Budding Researcher Award for the year 2019-2020:
(Ph. D. Research scholars)**

S. No.	Name	Roll Number	Department
1.	K Kiruthiga	401115001	Architecture
2.	Tamilmani J.	402116001	Chemical Engineering
3.	Vijay N.	404116001	Chemistry
4.	Janani L.	403116051	Civil Engineering
5.	P. Praveen Kumar	405116008	Computer Application
6.	Gerad Deepak	406118007	Computer Science and Engineering
7.	V. Krushna Kanth	408116006	Electronics and Communication Engineering
8.	S. Chrisben Gladson	408115001	Electronics and Communication Engineering
9.	Chinmay Murali	409117004	Humanities and Social Science
10.	Ramakrishna Manchi	416117004	Mathematics
11.	T. Vinoth	411116003	Mechanical Engineering
12.	Muralidhara B	412117004	Metallurgical and Materials Engineering
13.	Antilen Jacob G	413116001	Physics
14.	Vijay R	414114053	Production Engineering

h. Best Departments

Based on NIRF Parameters (Teaching Learning Resources, Graduation Outcome, Research & Professional Practice, Outreach & Inclusivity), the departments were evaluated for the “Best Performing Department” Award.

Based on Overall score, the following Departments were awarded under best Department category.

Engineering Discipline:

Department of Chemical Engineering

Non-Engineering Discipline:

Department of Management Studies

In addition, Department of Chemistry (Non-Engineering) has been acknowledged for their consistent Top Performance.

i. Dr. P. S. Manisundaram Endowment Award (Non-Teaching Staff) for the year 2019 - 2020

S. No.	Name	Section / Department	Designation
1	Mr. Gunashekaaran J	Pension Section	Superintendent (SG-II)
2	Mr. Michael Raj A	Mechanical Engineering	Technician (SG-I)
3	Mr. Aboobacker K	Security Department	Security Guard

RANK HOLDERS (UG & PG)**INSTITUTE DAY PRIZE WINNERS (2020) / B.Arch. / B.Tech.****B.Arch. / ARCHITECTURE**

Batch	Rank	Roll Number	Name	CGPA
2014	1	101114023	PRIYA S	9.83
2014	2	101114013	MITHRA R	9.61
2014	3	101114038	STEPHY ANN TOMY	9.33
2015	1	101115021	MD HASEEN AKHTAR	9.31
2015	2	101115035	SHIRIN HUSSAIN	8.83
2015	3	101115008	CHIRASMITA DAS	8.69
2016	1	101116025	LAVANYA M	8.92
2016	2	101116040	SWEATHA R	8.84
2016	3	101116007	ATHIRA P R	8.82
2017	1	101117046	V K JEEVAN KUMAR	8.92
2017	2	101117037	SRI AAKASH S	8.9
2017	3	101117008	DEVULAPALLY POOJA	8.04
2018	1	101118036	SHIKHA PEGU	8.78
2018	2	101118003	ANURADHA S	8.7
2018	3	101118018	JAYATRI DHARA	8.68

B.Tech. / CHEMICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	102115001	A MUTHUKRISHNAN	9.78
2015	1	102115014	IYER SHWETA SHANKAR	9.78
2015	1	102115060	SRIHARI S	9.78
2015	2	102115038	R ABHINANDAN NABERA	9.59
2015	3	102115010	BHUBESH MURUGAPPAN	9.43
2016	1	102116035	NISCHAL MATHUR	9.54
2016	2	102116002	AKASH DHARSAN U S	9.47
2016	3	102116057	SUNANDA SESHAN	9.36
2017	1	102117016	DEEPTI KANNAN	9.72
2017	2	102117064	THEJASSVI MADIREDDI	9.65
2017	3	102117048	SHANKHA SUBHRA PAUL	9.63
2017	3	102117066	UPAMANYU PATTNAIK	9.63

B.Tech. / CIVIL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	103115020	DINKAR PARASHAR	9.51
2015	2	103115063	PATLOLLA SREE VARSHINI	9.38
2015	3	103115093	SRIVIDYA HS	9.33
2016	1	103116094	VISHAL KUMAR	9.73
2016	2	103116035	KEDARISSETTI ASHRITHA	9.72
2016	3	103116088	TRINAYAN DAS	9.5
2017	1	103117060	MUNINDAR JIVARAM AHIR	9.89
2017	2	103117031	C M K RAJSHRI	9.84
2017	3	103117024	AYUSH KUMAR SINGH	9.69

B.Tech. / COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	106115051	MADHAV SANKAR K	10
2015	2	106115005	AISHWARYA NAIR	9.91
2015	3	106115001	A S SREELAKSHMI	9.73
2015	3	106115003	ABHINAYA S B	9.73
2015	3	106115010	AMEDAPU NIDHEESHA REDDY	9.73
2015	3	106115058	PEDDAGOPU VISHAL VEDAVYAS	9.73
2016	1	106116084	SHIVANI CHANDER	9.83
2016	2	106116066	RAJAT BHATTA	9.68
2016	3	106116003	AKSHAYA K S	9.64
2017	1	106117095	S RAGHUL	9.84
2017	2	106117043	L HARI NARAYANAN	9.8
2017	3	106117053	MOGALAPALLI HARSHIT	9.71

B. Tech. / ELECTRICAL AND ELECTRONICS ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	107115079	RITABINA BISWAS	9.64
2015	2	107115010	ARNAB BHATTACHARJEE	9.6
2015	3	107115026	DHEDEEPIYA V	9.55
2015	3	107115045	KOTNI TIRUMALA SAI AKHIL	9.55
2015	3	107115090	SHRUTHI RAVISHANKAR	9.55
2016	1	107116011	ARADHANA M P	9.8
2016	2	107116001	AARYAN S SHAH	9.71
2016	3	107116008	AMRITHA S B	9.63
2017	1	107117106	VISHESH BIYANI	10
2017	2	107117069	PAWAR SATYAM JAGDISH	9.81
2017	3	107117059	MOHIT AGARWAL	9.79

B.Tech. / ELECTRONICS AND COMMUNICATION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	108115073	RUPESH GUPTA	10
2015	2	108115019	BANNA VENKATESH	9.63
2015	3	108115102	VEMULA SAIHARSHA	9.58
2016	1	108116107	YASHVANTH.L	9.94
2016	2	108116067	RAJIV RAMACHANDRAN	9.92
2016	3	108116049	MUMMADI SRIKANTH REDDY	9.84
2017	1	108117064	M PRANAV	10
2017	2	108117079	RAMAPRAGADA KRISHNA SAI TARUN	9.87
2017	3	108117092	SAURABH SRIVASTAVA	9.8

B.Tech. / INSTRUMENTATION AND CONTROL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	110115068	NAVYA SHAJI	9.54
2015	2	110115027	DHEEPA DHARSHANI S	9.5
2015	2	110115071	PALLAMPATI GNANA SAI SRI HARSHA	9.5
2015	3	110115080	S AMRUTHA	9.47
2016	1	110116031	G VISHAAL	9.7
2016	2	110116021	BUDDHA TEJASWI	9.41
2016	3	110116053	MURIKIPUDI SAI SRI VENKATA KRISHNASINDHURA	9.16
2017	1	110117078	SHASHVAT JAYAKRISHNAN	10
2017	2	110117083	SIVASANGARAN V	9.72
2017	3	110117025	C SANJAY	9.63

B.Tech. / MECHANICAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	111115076	R ANIRUDH	9.85
2015	2	111115088	SHAH SAUMYA PRAVINBHAI	9.83
2015	3	111115054	MOHAMMED MUAZ MOHAMED DILSHAD H	9.7
2016	1	111116046	M NAARENDHARANS	9.86
2016	1	111116089	SRIDHARSAN K S	9.86
2016	2	111116055	NITHIN K SUBHASH	9.71
2016	3	111116012	B.SRIKUMAR	9.67
2017	1	111117037	HARSHIT MITTAL	9.6
2017	2	111117085	SOMANATH SWAIN	9.58
2017	3	111117058	MANU AATITYA R P	9.54

B.Tech. / METALLURGICAL AND MATERIALS ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	112115017	KULKARNI ANISH NIRANJAN	9.54
2015	2	112115005	AYUSH KHURANA	9.31
2015	2	112115020	M VIVEKANAND	9.31
2015	3	112115063	VADDE CHETAN NAVEEN	9.23
2016	1	112116011	ARPIT JAIN	9.96
2016	2	112116045	R DEVI JANANI	9.9
2016	3	112116049	SAMEER AMAN SALMAN	9.67
2017	1	112117034	PRAHNAOV A	9.69
2017	2	112117016	B.SUBISHA	9.52
2017	3	112117028	MANAN ATUL SURAIYA	9.4

B.Tech. / PRODUCTION ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2015	1	114115053	NANDHINI S	9.61
2015	2	114115067	PRAVEEN M	9.49
2015	3	114115064	PATRUNI HEMANTH KUMAR	9.41
2016	1	114116045	M NIVEDITA	9.94
2016	2	114116016	ARUN P PALANIAPPAN	9.82

2016	3	114116061	REO PAUL JACKSON	9.7
2017	1	114117064	POLA VAMSI RAHUL	9.69
2017	1	114117085	TAMIRI SURYA PRAKASH	9.69
2017	2	114117031	HIMANSHU RANJAN	9.62
2017	3	114117006	AKANKSHA	9.36
2017	3	114117052	MURALI KRISHNA N	9.36

B.Tech. / I YEAR (2018)

Batch	Rank	Roll Number	Name	CGPA
2018	1	112118058	SURYARAO KIMAYA	10
2018	2	110118049	MIRIAM SANTHOSH KADAVAN	9.96
2018	3	106118036	HARSHIT AGRAWAL	9.94

INSTITUTE DAY PRIZE WINNERS (2020) / M.Tech. / M.Arch. / M.Sc. / MCA / MBA**M.Tech. / CHEMICAL ENGINEERING**

Batch	Rank	Roll Number	Name	CGPA
2017	1	202117019	SUBHRA SANKHA MUKHERJEE	9.06
2017	2	202117018	RHEA MUTHAPPA	9
2017	3	202117001	MEGHANA A D	8.97
2018	1	202118005	GANDI SATISH	9.2
2018	2	202118002	ASHIK B S	9.12
2018	3	202118021	SHYAMJITH P M	8.95

M.Tech. / PROCESS CONTROL AND INSTRUMENTATION

Batch	Rank	Roll Number	Name	CGPA
2017	1	202217001	AITHAMREDDY CHANDANA	9.31
2017	2	202217011	JORTIN ABRAHAM JAMES	8.94
2017	3	202217007	VIDHI SHAH	8.55
2018	1	202218010	PRABHU P	9.28
2018	2	202218018	VIPIN KUMAR SHUKLA	8.52
2018	3	202218009	MUTHU KRISHNAN C	8.18

M.Tech. / ENERGY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	202317012	ROJA K	9.82
2017	2	202317010	JUDEFELIX J	9.47
2017	3	202317009	WAGHMODE SUYOG MAYAPPA	9.44
2018	1	202318012	NIJIN V P	9.79
2018	1	202318013	PRAFFUL AGRAWAL	9.79
2018	2	202318020	TAMILSELVAN M	9.36
2018	3	202318014	RAHUL R	9.14

M.Tech. / TRANSPORTATION ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2017	1	203117023	NISHA M SAMUEL	9.05
2017	2	203117025	NIDHI KATHAIT	8.79
2017	2	203117007	RACHIT SHARMA	8.79
2017	3	203117002	KANCHUPATI VENKATESWARLU	8.74
2017	3	203117024	BHAVINLAL K	8.74
2018	1	203118018	PRIYADHARSHNI B	9.48
2018	2	203118022	SHAH MOHMAD SHAHNAWAZ AHMAD	9.29
2018	3	203118011	JYOTHIS V LAL	9.24

M.Tech. / STRUCTURAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	203217031	THASLEEN N	9.03
2017	2	203217015	SHRUTI MITTAL	8.89
2017	3	203217014	J SHAJITH HUSSAIN	8.76
2018	1	203218023	RAMKUMAR S	9.4
2018	2	203218008	DIVYA ROY S	9.17
2018	2	203218009	GURRAM VINAY	9.17
2018	3	203218027	SNEHA LIYA GEORGE	9.14

M.Tech. / ENVIRONMENTAL ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	203417021	DHIVYALAKSHMI JAYABAL	9.3
2017	2	203417023	NALAM N V D L H S S ARUNA LAKSHMI SUSMITHA	8.89
2017	3	203417022	LEKSHMI V PRAKASH	8.83
2018	1	203418012	LEKSHMI MOHAN B	9.55
2018	2	203418001	AFEENA GULAM	9.52
2018	3	203418023	SHRADHA NAIR	9.38

M.Tech. / CONSTRUCTION TECHNOLOGY AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2017	1	203517010	SANCHARI BANERJEE	9.3
2017	2	203517014	MANISHITA DAS	9.29
2017	3	203517007	KIRANKUMAR A M	8.78
2018	1	203518028	V V G SAI ADITYA	9.88
2018	2	203518021	RAMACHANDRAN A	9.28
2018	3	203518007	BHAVANA LEKSHMY M V	9.08

M.Tech. / DATA ANALYTICS

Batch	Rank	Roll Number	Name	CGPA
2017	1	205217014	VANDANA SINGH	9.39
2017	2	205217013	SAIJA KRUNAL KIRANKUMAR	9.22
2017	3	205217010	SINGARAJU DAKSHAYANI	9.19
2018	1	205218015	RALLABANDI PHANI RAJ	9.85
2018	2	205218020	RONANKI SWAMY SRIHARSHA	9.33
2018	3	205218005	ANKIT KUMAR SAH	9.3

M.Tech. / COMPUTER SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	206117014	SNIGDHA JAIN	9.56
2017	2	206117023	ANJALI T P	9.39
2017	3	206117002	ARJUN K P	9.29
2018	1	206118004	CHITHRA	9.78
2018	2	206118025	SUSHMITA KUMARI NISHAD	9.18
2018	3	206118008	KANGKANMONI BRAHMA	8.9

M.Tech. / POWER SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2017	1	207117028	KOLLI JNANESWAR	9.11
2017	2	207117018	KARNATI SURESH REDDY	9.05
2017	3	207117004	KUMBHA GOPI	8.92
2018	1	207118027	VINNAKOTA PAVANI	9.42
2018	2	207118006	DEVARAJ S	9.4
2018	3	207118007	DEVARALA ROMIKA	9.1

M.Tech. / POWER ELECTRONICS

Batch	Rank	Roll Number	Name	CGPA
2017	1	207217010	KADAM VISHVAJIT SUDHAKAR	8.97
2017	2	207217017	P SRIKANTH	8.94
2017	2	207217021	MISTRY KHETALKUMAR SHAILESHKUMAR	8.94
2017	3	207217011	KAMPALLY SRI KANAKA PRASANANJALI	8.77
2018	1	207218015	NAMAN AGRAWAL	9.58
2018	2	207218013	MOHD SHAHNAWAZ KHAN	9.38
2018	3	207218022	SINCHITA MAITY	9.22

M.Tech. / COMMUNICATION SYSTEMS

Batch	Rank	Roll Number	Name	CGPA
2017	1	208117003	SANKAR N NAIR	9.74
2017	2	208117025	SORAPALLI JNANA SUBRAHMANYAM	9.64
2017	3	208117005	RATHINA VEL S	9.61
2018	1	208118005	CHINTALA JYOTHIRMAI	9.64
2018	1	208118026	THOTA SASIREKHA	9.64
2018	2	208118004	CHEEMALA NAVEEN	9.52
2018	3	208118009	KADIMI VINAY KUMAR	9.38

M.Tech. / VLSI SYSTEM

Batch	Rank	Roll Number	Name	CGPA
2017	1	208217015	PRADEEP J	9.74
2017	2	208217022	BOBBILI VINITHA	9.7
2017	3	208217003	ASWIN P P	9.12

2018	1	208218018	NITHIN K S	9.95
2018	2	208218013	KM. RAJNANDINI PATWA	9.67
2018	3	208218003	ANUMULA TEJASWI	9.4
2018	3	208218012	KARRE NARESH	9.4

M.Tech. / INDUSTRIAL SAFETY ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	211217003	ADHIL MOIDEEN T	9.28
2017	2	211217007	JIVESH KUMAR	9.16
2017	3	211217004	ARUMUGAM S	9.05
2018	1	211218008	JIDHIN. A	9.45
2018	2	211218010	MEERA R	9.18
2018	3	211218022	SARATH M	8.98

M.Tech. / THERMAL POWER ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	211317019	SAURABH PRAJAPATI	9.74
2017	2	211317002	ABIN FRANCIS	9.3
2017	3	211317028	DHANANJAY KUMAR	9.16
2018	1	211318015	MORE BHAVESH RAJA	9.38
2018	2	211318016	NITIN SHARMA	9.35
2018	3	211318009	GOURAV KHANNA	9.15

M.Tech. / WELDING ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	212117019	SACHIN JACOB ABRAHAM	9.05
2017	2	212117010	MAGESHKAR M	8.88
2017	3	212117031	MUHAMMED ANEES M S	8.86
2018	1	212118019	SALAPU SIREESHA SAI	9.2
2018	2	212118008	BIBISH B ANTONY	8.93
2018	3	212118006	AKHILESH R V	8.9

M.Tech. / MATERIAL SCIENCE AND ENGINEERING

Batch	Rank	Roll Number	Name	CGPA
2017	1	212217009	ABHISHEK SINGH	9.14
2017	2	212217012	KARTHICK G	8.77
2017	3	212217003	PRAVEEN V P	8.55
2018	1	212218012	RAMJI R	9.15
2018	2	212218007	KARUMURI RATNA PRIYANKA	9.05
2018	3	212218009	P DAMINI	8.85

M.Tech. / INDUSTRIAL METALLURGY

Batch	Rank	Roll Number	Name	CGPA
2017	1	212317006	RAJ KULDEEPSINH RANVIRSINH	9.29
2017	2	212317014	ASWIN KUMAR C	9
2017	3	212317004	APPU KUMAR SINGH	8.98
2018	1	212318001	AMAL C ABRAHAM	9.41

2018	2	212318003	BHASKARAN K	9.29
2018	3	212318006	KRISHNAN S	9.15

M.Tech. / NON DESTRUCTIVE TESTING

Batch	Rank	Roll Number	Name	CGPA
2017	1	213117001	ABIN SAJI	9.53
2017	2	213117008	VIGNESH K	9.25
2017	3	213117011	YALAGADA RAJU	9.23
2018	1	213118024	SUSHEEL PATIL	9.58
2018	2	213118006	ASHOKKUMAR T	9.5
2018	3	213118015	MUHAMED MUSTHAFA PULIKKAL	9.18

M.Tech. / MANUFACTURING TECHNOLOGY

Batch	Rank	Roll Number	Name	CGPA
2017	1	214117025	VYSAKH MOHAN	9.76
2017	2	214117002	ADITYA GOEL	9.41
2017	3	214117027	GANESH T M	9.24
2018	1	214118010	KARTHIKEYAN R	9.6
2018	2	214118008	E V ABHINAV	9.56
2018	3	214118019	RAGUNATHAPRABHU S	9.51

M.Tech. / INDUSTRIAL ENGINEERING AND MANAGEMENT

Batch	Rank	Roll Number	Name	CGPA
2017	1	214217016	SAURABH LALWANI	9.62
2017	2	214217026	R HARIKRISHNAN	9.55
2017	3	214217031	TENTU RAVI TEJA	9.42
2018	1	214218018	PALAKOLLU VENKATA SAI ANURAG	9.51
2018	2	214218011	JAGDHANE SAHIL PRAMOD	9.44
2018	3	214218020	POLAS RAHUL PURUSHOTTAM	9.38

M.Arch. / ENERGY EFFICIENT AND SUSTAINABLE ARCHITECTURE

Batch	Rank	Roll Number	Name	CGPA
2017	1	201117010	PRASHANTHINI RAJAGOPAL	9.26
2017	2	201117003	CHITTELLA RAVI CHANDRAN	9.03
2017	3	201117006	MANOJKUMAR S	8.93
2018	1	201118015	SANJANA R	9.64
2018	2	201118018	VIGNESH SAJEEV	9.25
2018	3	201118013	PRAJNA AIGAL	9.11

MBA / MANAGEMENT STUDIES

Batch	Rank	Roll Number	Name	CGPA
2017	1	215117012	AISWARYA PRINCE	9.44
2017	2	215117023	ANUSHA NATARAJAN	9.28
2017	2	215117026	NAVYA RAVINDRAN	9.28
2017	3	215117033	MUTHU LAKSHMI.A.N	9.22
2017	3	215117034	TANKALA SHALENI GUPTA	9.22
2018	1	215118047	SHAARIKA JOANNA P	9.7

2018	2	215118059	VIJAYALAKSHMI N	9.27
2018	3	215118014	DHANYA JOHNSON	9.2

M.Sc. / CHEMISTRY

Batch	Rank	Roll Number	Name	CGPA
2017	1	204117006	ATHIRA K M	8.9
2017	2	204117013	ARUN THAMPI	8.83
2017	3	204117001	M SAI SHRUTHI	8.76
2017	3	204117004	SAVITHRI VISHWANATHAN	8.76
2018	1	204118020	V VIDHYA	9.68
2018	2	204118001	ABINASH NAYAK	8.66
2018	3	204118019	VANDANA RAWAT	8.63

M.Sc. / PHYSICS

Batch	Rank	Roll Number	Name	CGPA
2017	1	213217016	KOWSALYA D	9.68
2017	2	213217012	ANIKET DEY	9.57
2017	3	213217007	ATHULYA BABU	9.11
2018	1	213218004	ASHUTOSH KUMAR SINGH	9.92
2018	2	213218012	LUCKYDONALD LYNGDOH KYNSHI	9.58
2018	3	213218013	M LAXMAN	9.29

M.Sc. / COMPUTER SCIENCE

Batch	Rank	Roll Number	Name	CGPA
2017	1	216217006	GANGA GOWSALYA P	9
2017	2	216217013	SRITHIKA MANIKANDAN	8.93
2017	3	216217003	SWATHIKA E	8.83
2018	1	216218025	UTSA CHATTOPADHYAY	9.79
2018	2	216218002	ALIV GHOSH	9.68
2018	3	216218001	AKSHAYA E	9.37

MCA / COMPUTER APPLICATIONS

Batch	Rank	Roll Number	Name	CGPA
2016	1	205116049	NEELAM GOUR	9.69
2016	2	205116025	SUMAN CHOUDHARY	9.52
2016	3	205116004	SURAJ BHAN SINGH	9.38
2017	1	205117002	SHAIKHA KHAN	9.61
2017	2	205117047	VARSHA PATIDAR	9.24
2017	3	205117001	SANJEEV KESHRI	9.18
2017	3	205117068	CHANDER SHEKHAR	9.18
2018	1	205118062	SAHIL GOEL	9.61
2018	2	205118079	SWEEKRITI SINGH	9.53
2018	3	205118070	SHIVAM TIWARI	9.5

ENDOWMENT AWARDS

Sl. No.	Name of the award	Roll No	Name
1.	Smt. G. S. Raja Lakshmi memorial award presented to First three Rank holder upto VII Semester in Chemical Engineering.	102116002	AKASH DHARSAN U S
		102116035	NISCHAL MATHUR
		102116026	S KOUSHIK
2.	Dr. M. Shanmugam award for the First Rank holder upto VII Semester in Civil Engineering.	103116094	VISHAL KUMAR
3.	Sri. Karchae Endowment award for the best project in the Department of Architecture	101115005	ASHUTOSH SHUKLA
		101115034	SHAJITHA G
4.	Sri. M. S. Balakumaran award for the best outgoing student of M.Tech. NDT	213118024	SUSHEEL PATIL
5.	Prof. S. Muthukaruppan Endowment award for the second Rank holder in EEE Branch up to VII Semester.	107116011	ARADHANA M P
6.	Sri. Janardhana Iyengar memorial Award for the best Academic Performance in just concluded academic year.	108115073	RUPESH GUPTA
		108117064	M PRANAV
		106115051	MADHAV SANKAR K
		107117106	VISHESH BIYANI
		110117078	SHASHVAT JAYAKRISHNAN
7.	Smt. Seethamma memorial award for the First Rank holder upto VII Semester in the ECE Branch.	108116107	YASHVANTH.L
8.	Dr. Sargurudoss memorial award for the Best performance in Mathematics in I Year B.Tech.	102118063	SUDHARSHAN KANNAPADI
9.	Sri. Avinash memorial award for the best outgoing male student of ICE branch	110116031	G VISHAAL
10.	Sri. Avinash memorial award for the best outgoing female student of ICE branch	110116038	KARI TANMAI SIVANI
11.	Prof. Ibrahim / Dr.Sittaraman Award for the best outgoing student of DoMS	215118047	SHAARIKA JOANNA P
12.	Prof. Thirumalaiarasan Award for the Topper in HR and OB Subjects in MBA	215118047	SHAARIKA JOANNA P
13.	Srimathi Neela Balasubramanian Memorial Award for best out-going student in ECE branch	108116107	YASHVANTH.L
14.	Karthik S Memorial Award for the First Rank Holder upto VII semester in B.Tech. Production Engineering.	114116055	PRATIKSHYA SAHOO
15.	Smt. Vijayalakshmi Kannan Memorial Award For the First Rank Holder upto VII semester in B.Tech. ECE	108116107	YASHVANTH.L

16.	Late S. Doraiswamy Memorial Award for the First Rank Holder upto III semester M.Tech. Industrial Safety Engineering.	211218008	JIDHIN A	
17.	Sri. Ramanujam and Smt. Sundari Ramanujam Memorial Award for the first rank holder in English in B.Tech.	102118064	S VARSHA	
18.	Mr. Subash Chandrabose Endowment Award for the Best Outgoing in B.Tech. MME	112116045	R DEVI JANANI	
19.	Dr.T. Balasubramaniam Endowment Award for the First Rank Holder in M.Sc. Physics in I and II Semester	213218004	ASHUTOSH KUMAR SINGH	
20.	Dr. A. L. Abdus Sattar, Memorial Award for the outstanding student in III year ECE	108117064	PRANAV M	
21.	Mr. Oisik Adak Endowment Award for "Best Creative Designer" in the Department of Architecture	101115032	SAHIB SINGH CHAWLA	
22.	Joseph Martin Fernando trophy for excellence in the study and documentation of vernacular Architecture	101117026	R ASHRUTHA HARSHINI	
23.	S J Chainlu medal of Excellence (For the First Rank Holder in the First year)			
	1. Chemical Engineering	102118008	ANUJ DASGUPTA	
	2. Civil Engineering	103118040	KARTHIKA G KUMAR	
	3. Computer science and Engineering	106118036	HARSHIT AGRAWAL	
	4. Electrical and Electronics Engineering	107118039	JAYAMATHANGI SRINIVASAN	
	5. Electronics and Communication	108118017	ARVINATH S	
	6. Instrumentation and Control Engineering	110118049	MIRIAM SANTHOSH KADAVAN	
	7. Mechanical Engineering	111118091	R SURYANARAYAN	
	8. Metallurgical and Materials Engineering	112118058	SURYARAO KIMAYA	
24.	Prof. J. Raja award (highest CGPA in all Accounting and Finance subjects in First Year MBA)	9. Production Engineering	114118066	PRATYUSH KUMAR DAS
			215119011	APARAJITA BHATTACHARYA
			215119084	SUBHA P
		215119096	VASANTHA G	
25.	Prof. K. S. Pandey memorial Outstanding Student Award (The student should be within the top 10% of the class or within top 10 ranks of the class based CGPA at the end of 7 th Semester and also be active in sports activities)	112116011	ARPIT JAIN	
26.	Prof. K. S. Pandey memorial Academic Achievement Award for the academically best student based on CGPA at the end of five semesters of the B.Tech. (MME) programme	112117034	PRAHNAOV A	

27.	Best outgoing student of MME M/s.Chennai Metco Pvt.Ltd Chennai.	112116045	R DEVI JANANI
28.	Anjali Surendran Endowment Award for the best out-going undergraduate student from Production Engineering Department	114116039	K THANUSHREE
29.	Best NCC Cadet	101115005	ASHUTOSH SHUKLA
		103116005	ANUSH VERMA
30.	Dr.S.H. Ibrahim memorial award for the Best Outgoing student in B.Tech. Chemical Engineering	102116040	POOJA HARIHARAN
31.	RECT'78 Alumni Medal For The Best Outgoing Girl Student	114116053	PRAGYA RAI

ALUMNI AWARDS (B.Arch. / B.Tech.)

Sl.No.	Department	Roll No.	Name	CGPA
1.	Architecture	101115021	MD HASEEN AKTHAR	9.53
2.	Chemical Engineering	102116002	AKASH DHARSAN U S	9.67
3.	Civil Engineering	103116094	VISHAL KUMAR	9.66
4.	Computer Science and Engineering	106116084	SHIVANI CHANDER	9.59
5.	Electrical and Electronics Engineering	107116001	AARYAN S SHAH	9.73
6.	Electronics and Communication Engineering	108116107	YASHVANTH.L	9.82
7.	Instrumentation and Control Engineering	110116031	G VISHAAL	9.58
8.	Mechanical Engineering	111116089	SRIDHARSAN K S	9.9
9.	Metallurgical and Materials Engineering	112116045	R DEVI JANANI	9.84
10.	Production Engineering	114116055	PRATIKSHYA SAHOO	9.61

ALUMNI AWARDS (M.Arch. / M.Tech. / M.Sc. / MCA / MBA)

Sl.No.	Dept./Specialization	Roll. No.	Name	CGPA
1.	Architecture			
	Energy Efficient and Sustainable Architecture	201118015	SANJANA R	9.48
2.	Chemical Engineering			
	Chemical Engineering	202118005	GANDI SATISH	9.38

	Process Control and Instrumentation	202218010	PRABHU P	9.44
3.	Energy and Environment			
	Energy Engineering	202318012	NIJIN V P	9.83
4.	Civil Engineering			
	Transportation Engineering and Management	203118018	PRIYADHARSHNI B	9.59
	Structural Engineering	203218023	RAMKUMAR S	9.54
	Environmental Engineering	203418023	SHRADHA NAIR	9.52
	Construction Technology and Management	203518028	V V G SAI ADITYA	9.67
5.	Computer Science and Engineering			
	Computer Science and Engineering	206118004	CHITHRA	9.8
6.	Electrical and Electronics Engineering			
	Power Systems	207118027	VINNAKOTA PAVANI	9.33
	Power Electronics	207218015	NAMAN AGRAWAL	9.67
7.	Electronics and Communication Engineering			
	Communication Systems	208118026	THOTA SASIREKHA	9.72
		208118005	CHINTALA JYOTHIRMAI	9.72
	VLSI System	208218018	NITHIN K S	9.74
8.	Mechanical Engineering			
	Industrial Safety Engineering	211218008	JIDHIN. A	9.58
	Thermal Power Engineering	211318015	MORE BHAVESH RAJA	9.29
9.	Metallurgy and Materials Engineering			
	Welding Engineering	212118019	SALAPU SIREESHA SAI	9.38
	Materials Science and Engineering	212218007	KARUMURI RATNA PRIYANKA	9.26
	Industrial Metallurgy	212318001	AMAL C ABRAHAM	9.32
10.	Production Engineering			
	Manufacturing Technology	214118010	KARTHIKEYAN R	9.67
	Industrial Engineering and Management	214218018	PALAKOLLU VENKATA SAI ANURAG	9.59
11.	Physics			
	Non Destructive Testing (M.Tech.)	213118024	SUSHEEL PATIL	9.67
	Physics (M.Sc.)	213218004	ASHUTOSH KUMAR SINGH	9.84
12.	Chemistry			
	Chemistry (M.Sc.)	204118020	V VIDHYA	9.74
13.	Management Studies			
	Master of Business Administration	215118047	SHAARIKA JOANNA P	9.72
14.	Computer Applications			
	Data Analytics (M.Tech.)	205218015	RALLABANDI PHANI RAJ	9.88

	Master of Computer Applications	205117002	SHAIKHA KHAN	9.6
	Computer Science (M.Sc.)	216218025	UTSA CHATTOPADHYAY	9.47

OTHER AWARDS (INSTITUTED BY RECAL)

Sl.No.	Name of the award	Roll No.	Name
1.	Overall Outstanding Student of the Year	106116084	SHIVANI CHANDER
2.	Anand Chidambaram Memorial Award	102116051	SHARAN DEEPAK MENON
3.	Outstanding Sportsman	103116043	MERVIN MOSES
4.	Outstanding Sport Woman	107116021	CH ESHA
5.	Best Batsman of the year	111117054	KORLAKOTA SANDEEPKUMAR
6.	Best Bowler of the year	114116044	MIT RAKESH SURATI

ENDOWMENT AWARDS**Smt.G. S. Rajalakshmi Award:**

This award was instituted by Mr. G. S. Ranganathan, a student of Chemical Engineering between 1986 – 1990, in memory of his mother who passed away in the U.S. in a car accident. This award is given to the first three rank holders in the department of Chemical Engineering based on their performance up to VII semester.

Dr. M. Shanmugam Endowment award for I rank holder in Civil Engineering:

Dr. M. Shanmugam a former Professor and Head of the Civil Engineering Department of this college was a specialist in the area of Structures. He took voluntary retirement to concentrate on consultancy. This award goes to the topper in Civil Engineering. The endowment is currently worth Rs. 4,00,000. This award carries a gold medal and a Citation and is presented to a student for his/her outstanding performance from the I to VII semesters.

Architect Kharche Endowment Award:

Architect Kharche Endowment award is given for the best project work carried out in Architecture branch. The endowment carries a Citation and a cash award.

Shri. M. S. Balakumaran Endowment award for the 1st rank holder in M.Tech. Non Destructive Testing:

Shri. M. S. Balkumaran, a former student of M.Tech. Non Destructive Testing has created an endowment to honour the I rank holders. This award carries a Citation and a cash prize and is presented to a postgraduate for his / her excellent performance throughout the M.Tech. NDT Programme.

Prof. S. Muthukaruppan Endowment award for the 2nd rank holder in Electrical and Electronics Engineering:

Prof. S. Muthukaruppan was a faculty in the Electrical and Electronics Engineering department for more than 3 decades and retired from service 10 years ago. He has instituted an award for the II rank holder in Electrical and Electronics Engineering branch. This award carries a Citation and a cash award.

Sri. Janardhana Iyengar Memorial Award:

This award was instituted by Prof. M. J. S. Rangachar, a former Professor of Electronics and Communication Engineering, with an endowment of Rs 10000/- in memory of his father. He retired from service in 1998. This award goes to the student with the best academic performance in the immediately concluded Academic year. This award carries a Citation and a cash purse.

Seethamma Memorial award for the best Electronics and Communication Engineering student:

This award was also created by Dr. M. J. S. Rangachar with an endowment of Rs 10000/- in memory of his mother. This award is given to the topper in Electronics and Communication Engineering for his/her outstanding performance up to the VII semester. The award carries a Citation and cash prize.

Dr. Sargurudoss Memorial award for the Best Mathematics Student in B.E. / B.Tech.

This award has an interesting background. It is instituted in memory of the (Late) Dr. Sargurudoss, a Professor from Bishop Heber College, Tiruchirappalli. This award that comes with a citation and cash prize goes to the student for the best performance in Mathematics in the 1st year.

Sri. Avinash memorial Award:

The Avinash memorial award honours the Best outgoing student of Instrumentation and Control Engineering branch. The award is given, separately, to the best outgoing Male student as well as the best outgoing female student of Instrumentation and Control Engineering branch. It carries a Citation and a cash award.

Prof. Ibrahim –Dr. Sitaraman Award:

Prof. Ibrahim, a former Head of Chemical Engineering Department, was the Professor-in-charge of the Management Programme in this Institute when this programme was introduced in 1978. He continued to head the department till he left the college in 1984.

Dr. Sitaraman was a visiting faculty to the Management department since the program was introduced in this Institute. He was instrumental in giving a proper direction to the programme listing out objectives, updating the syllabus till he settled abroad in late 80s. In appreciation of the efforts of both the worthies during the formative years of the department, an endowment

has been created by its Alumni which is given to the best MBA student. The endowment carries a Citation and a Cash award.

Prof. Thirumalaiarasan Award:

This award is in memory of Prof. Thirumalaiarasan. He joined the Management studies department in mid 80s. He was an expert in the area of HR and came to NIT, Trichy with a very rich experience of working in Industry before turning to academics. In his memory, the award is given to the topper in HR & OB Subjects in MBA. It carries a Citation and a Cash award.

Smt. Neela Balasubramanian Memorial Award:

This award is instituted by Prof. Sekar, an alumnus and, currently, a Professor in IIM Bangalore in memory of his mother. This award is given to an Electronics and Communication Engineering student based on his performance from III to VII semesters and also based on his/her co-curricular activities. This award, that recognizes all-round excellence, carries a Citation and a cash purse.

Karthik S Memorial Award:

This award has been instituted by the Parents of S. Karthik whose career was nipped in the bud due to an accident. He was a student of Production Engineering department. This award is given to the topper in Production Engineering Department. Incidentally, the father of the late Karthik is a senior professor in the department of Civil Engineering, Dr. G. Swaminathan. The endowment carries a Citation and a Cash award.

Smt. Vijayalakshmi Kannan Award:

This is an award Instituted by Mr. Kannan, a senior office Staff of this Institution in memory of his wife. This award is given to the topper in Electronics and Communication Engineering department based on the performance from I to VII semesters. This award is presented to a student for his/her outstanding performance up to the VII semester. It carries a Citation and a Cash award.

Late S. Doraiswamy memorial Award:

This award is Instituted by Prof. T.S. Rajan in memory of Sri. Doraisamy DGM (safety) BHEL, Trichy. The Mechanical Engineering department, was the first in the country to introduce, in 1984, a Postgraduate programme to highlight the importance of safety. This award is given to the topper in M.Tech. Industrial safety Engineering programme

Sri Ramanujam and Smt. Sundari Ramanujam memorial Award:

Sri Ramanujam and Smt. Sundari Ramanujam memorial award recognizes the best performance in English in I year B. Tech. during the academic year. This award is instituted by R. Gururaj, Associate Professor, Department of Humanities and Social Sciences, in memory of his parents. It carries a Citation and a cash prize.

Mr. Subash Chandrabose endowment award for the Best Outgoing Student in B.Tech. Metallurgical and Materials Engineering:

This was instituted by Mrs. Saraswathi, a former senior superintendent at our Institute. This award is presented to the topper in Metallurgical and Materials Engineering branch.

Prof. T. Balasubramanian Award:

This award is instituted by Prof. T. Balasubramanian, Professor of Physics, and formerly Dean (academics) and Head of the Physics department. He joined this Institution in 1998 as Professor. This award, on completing 40 years of service as Physics teacher, is presented for the best academic performance in I year M.Sc. Physics.

Dr. A. L. Abdus Sattar Memorial Award:

This award is instituted in memory of Prof. Abdus Sattar, one of the ECE Professors instrumental in developing the department during its formative years. Dr. Sattar genuinely cared for his students. As a professor, mentor, friend and guide, he was always available. Simple and unpretentious, Dr. Sattar led by example inspiring everyone who was fortunate enough to have worked with him to collaborate, and support one another undeterred by challenges. In his memory his students have instituted an award. The award is given to the outstanding student in the third year of Electronics and Communication Engineering, who best exemplifies the spirit of the late Dr. A.L. Abdus Sattar. It carries a citation and cash award.

Mr. Oisik Adak Endowment Award for “Best Creative Designer” in the Department of Architecture:

This award is instituted by Mr. Adak, a senior executive with BHEL, whose multi-talented son, Oisik, a promising painter and poet, passed away while he was a student at NIT, Trichy. This award recognizes creativity among the students of Architecture. It carries a cash prize and a certificate

Joseph Martin Fernando trophy for excellence in the study and documentation of Vernacular Architecture:

This unique endowment was instituted by Prof. Fernando, formerly Professor in the department of Architecture to recognize work in the area of Vernacular Architecture.

S J Chainulu Medal of Excellence (For the First Rank Holder in First year): 10 Awards:

This award with an endowment of Rs 4 lakhs has been instituted by the parents of S J Chainulu, who was earlier our student. This award is given to the toppers in the I year B.Tech. programme in each branch. The award carries a Medal and a certificate.

Prof. J. Raja award (Highest CGPA in all Accounting and Finance subjects in First Year MBA)

This was Instituted in memory of Prof. Raja, formerly, HoD of the Management department. He joined the Institute in 1987 after completing his MBA programme in our Institute. After serving the Institute for close to 2 decades, he took up an assignment abroad. In order to

honour his memory, the award was instituted to recognize the outstanding performance in Accounting and Finance subjects in the First Year MBA.

Dr. K.S. Pandey memorial Awards:

A sum of Rs 1.17 lakh endowment was created in 2016 for this award by Dr.(Mrs.) S. K. Pandey, formerly Professor of Chemical Engineering, NIT-T and, later, Director of NIT, Srinagar, Sant Longowal Institute, Punjab and NIT Karaikal, Puducherry.

❖ **Dr. K.S Pandey memorial outstanding student award**

Dr. K. S. Pandey memorial goes to the outstanding student award for a final year Metallurgical and Materials Engineering student. The student should be within top 10% of the class or within 10 ranks based on CGPA at the end of the 7th semester. Moreover, the awardee should be active in sports. The student is also given weightage for co-curricular and extra-curricular activities. The award carries a citation and a cash prize of Rs. 5000/-

❖ **Dr. K.S. Pandey memorial academic achievement award**

This is based on CGPA at the end of five semesters in B.Tech. Metallurgical and Materials Engineering programme. The award carries a citation and a cash prize of Rs. 3000/-

M/s. Chennai Metco (P) Ltd award for the Best outgoing student in MME and Metallographic contest winners.

Anjali Surendran Endowment Award

Anjali Surendran was a student of B.Tech.(Production Engineering) of 2017 - 2021 batch and she passed away during third year of her study at NIT Tiruchirappalli. She was an extremely talented student not only in academics but also in extracurricular activities especially in Music and Dance. This award is instituted in her memory and awarded to the best outgoing student from B.Tech. Production Engineering branch.

Dr.S.H. Ibrahim memorial award

Dr.S.H. Ibrahim (1.7.1930-12.3.2008) was the founder Head of Chemical Engineering department at NIT-T (REC-T) Tiruchirappalli and played a key role in developing the department as a prestigious department in the country. Dr.Ibrahim joined NIT, Tiruchirappalli after an illustrious career at University of Madras and IISc Bangalore in 1968 and continued till 1984. In his memory the students of NIT-T (REC-T) created an endowment to honour the best out-going B.Tech. Chemical Engineering student with Dr.S.H. Ibrahim memorial award for the best outgoing student for showing excellence not only in academics but also in co-curricular and extra-curricular activities in the Institute.

The following awards are Instituted by the REC Alumni (RECAL):

Anand Chidambaram Memorial Award (Cash) / Tenth Rank Holder in Chemical Engineering:

Anand Chidambaram was a student of chemical engineering department from 1985 – 1989. He was a sweet and charming personality, admired not only by his classmates but also by faculty. He was the 10th rank holder when he graduated from this Institute. In his memory his parents have instituted an award for the 10th rank holder of Chemical Engineering branch based on the performance from I to VII semesters. This award carries a Citation, Cash prize and a memento.

Praveen Kumar memorial award for the best performance in I year “E” section 2003-04:

This award was instituted by the I year “E” section students of 2000-01 academic year for the best performance in I year E section.

Ramesh Sampath Memorial Award for outstanding cricketer of the year:

Mr. Ramesh Sampath was an old student of this college, and graduated in Electronics and communication Engineering branch in 1972. He had represented Trichy district cricket association & Madras University while he was a student of this college. Subsequently he joined ISRO and played for Kerala state. He was a prolific scorer against famous spinners likes EAS Prasanna, B.S Chandrasekhar and S. Venkatragavan. It was no surprise when he was selected to represent south zone in Duleep trophy matches. He met with a tragic accident while he was holidaying at Goa and passed away in 1992. In his memory RECAL honours the best REC cricketer every year. This award carries a citation, memento and a cash award of Rs 500.

Overall Outstanding Student of the year:

The outstanding student of the year is based on achievements in Academic / Sports / Cultural spheres besides Participation in social and voluntary organizations. This award carries a Citation and a Gold medal.

PROFILE OF DEPARTMENTS

Department: Architecture

The Department of Architecture was started in the year 1980, offering B.Arch. with an intake of 15 students. At present the department offers one Under-Graduate programme (B.Arch.), one Post-Graduate programme (M.Arch. in Energy Efficient and Sustainable Architecture) and research programme (Ph.D.) in Architecture and allied fields. The Department of Architecture is well recognized as one of the top institution offering Architecture education. The facilities of the department include separate computer lab. for UG and PG students with all required software, Building science laboratory, Model making workshop, Department library, Construction yard and Materials museum.

There are 16 full-time faculty members specialized in various fields of Architecture. In addition, the department also invites academicians, practicing Architects and industry experts as guest faculty to impart practical knowledge to the students. The faculty members are also carry out architectural consultancy works. Faculty members are involved in research and published research papers in national and international journals as well as presented papers in international conferences.

The students participate in various architectural competitions, co-curricular and extra-curricular activities. Every year the students participate in annual national level NASA (National Association of Students of Architecture) competitions and bring laurels to the department.

Summary (AY 2019 - 20)

Sl. No.	Details	Total Nos.	
1.	Articles (Scopus / WoS)	5 / 2	
2.	No. of books / books chapters published	Books	Book chapters
		1	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)
		1	6.51
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)
		1	0.18
		-	-
5.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		-	10
		-	-
6.	Ph. D graduation details	Regular	Part Time
		-	03



ARCHCULT'20 from 28/02/2020 to 01/03/2020

Department: Chemical Engineering

The Department of Chemical Engineering was established in the year 1967. B.Tech. (Chemical Engineering), M.Tech. (Chemical Engineering), M.Tech. (Process Control and Instrumentation) jointly with Department of Instrumentation and Control Engineering, M.S. (by Research) and Ph.D. (full time and part time) courses are being run by the department. The golden jubilee annexure building with two floors is being under construction. All the under graduate and post graduate laboratories are modernized with new equipment's. All class rooms are equipped with teaching aids. Process Simulation laboratory in-housing the softwares ASPEN PLUS, CFD and Matlab are established.

Summary (AY 2019 - 20)

Sl. No.	Details	Total Nos.	
1.	Articles (Scopus / WoS / Q1 Journal)	85 / 77 / 38	
2.	No. of books / books chapters published	Books	Book chapters
		-	8
3.	Consultancy work carried out	Numbers	Amount (in Lakhs)
		2	6
4.	No. of Patents	Filed	Published
		1	-
5.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		6	1
6.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		13	4
7.	Guest Lectures	Delivered	Organized
		8	-
8.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		-	-
9.	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)
		2	15.45
10.	Ph.D. graduation details	Regular	Part Time
		5	-



ICMHEE 2019 – 09.09.2019 to 11.09.2019



SPARC WORKSHOP on 02.12.2019 to 13.12.2019

Department: Chemistry

Department of Chemistry is a FIST sponsored department and we are delighted to present some of the research activities carried out in the department of Chemistry, NIT, Trichy during April 2019- March 2020. Prof. A.M. Kannan ARIZONA STATE UNIVERSITY International PI: under SPARC project visited the department in December 2019 and gave lectures on Fuel cell systems. Prof. Shu Pao Wu, Department of Applied Chemistry, National Chiao Tung University, Taiwan visited the department in January 2020 and gave series of lectures to students, scholars and faculties on Fluorescent sensors and Bioluminescence applications. Prof. M. Ashokumar, University of Melbourne, International PI: under SPARC project visited the department in January 2020 and gave lectures on Ultrasonic synthesis of nanomaterials. Dr. S. Velmathi, visited Department of Applied Chemistry, National Chiao Tung University, Taiwan, in December 2019 under SERB-OVDF scheme for research collaboration. Mr. N. Vijay, Research scholar of the department was selected for SERB OVD Fellowship to work in Department of Applied Chemistry, National Chiao Tung University, Taiwan for six months (August 2019-January 2020). Ms. Anusuya Devi, Ms. Arthi, Ms. Priyanka Dorothy and Mr. Vasanthkumar Research scholars of the department underwent internship at Kaohsiung Medical University, Taiwan for six months. In the year 2019, department of chemistry published 98 papers in SCI/SCIE journals and gained around 2700 citations, which is a remarkable achievement for the department and we maintained the No.1 rank among the non-engineering departments of NITT for the second consecutive year (2018 and 2019).

Summary (AY 2019 - 20)

S. No.	Details	Total Nos.	
		80 / 78 / 33	
1.	Articles (Scopus / WoS / Q1 Journal)	80 / 78 / 33	
2.	No. of books / books chapters published	Books	Book chapters
		-	6
3.	Sponsored Projects	Numbers	Amount (in Lakhs)
		8	398 lakhs
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)
		1	10.7
5.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		4	-
6.	Guest Lectures	Delivered	Organized
		29	1
7.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		1	5
8.	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)
		2	28 + 76 Lakhs
9.	Ph. D graduation details	Regular	Part-Time
		5	1



Invited Lecture delivered by Prof. Shu Pao Wu, Taiwan on 08.01.2020



Prof. Shu Pao Wu Visited the department under SERB -OVDF Project Jan 06-15, 2020. Photo taken during the Pongal Vizha celebrated in the OJAS Building on Jan 12, 2020

Department: Civil Engineering

Civil Engineering Department is one of the oldest Departments started along with the inception of the then Regional Engineering College Tiruchirappalli during the Year 1964. The department offers One UG and three PG regular programmes such as Transportation Engineering, Structural Engineering, and Environmental Engineering. The department also offers L&T sponsored M.Tech. Programme on Construction Management & Technology under the Build India Scholarship programme of Larsen and Toubro Ltd, Chennai. At the moment more than 80 research scholars are carrying out their PhD and MS research studies. Our faculty members are very active in Teaching, research and consultancy activities. Many faculties received sponsored research projects from various agencies such as DST-SERB, NRRDA. The consultancy services are rendered various government agencies such as CIAL, AAI, Indian Railways, CPWD, and state government organizations. Our Students are able to get internship in leading Indian Institutes such as IIT's, IISc, and other prominent industries and also received prestigious fellowships.

Summary (AY 2019 - 20)

Sl. No.	Details	Total Nos.		
1.	Articles (Scopus / WoS / Q1 Journal)	45 / 31 / 10		
2.	No. of books / books chapters published	Books	Book chapters	
		-	4	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		2	54.5	
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		Many	310	
5.	No. of Patents	Filed	Published	Granted
		1	1	-
6.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		3	1	
7.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		1	10	
8.	Guest Lectures	Delivered	Organized	
		12	-	
9.	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)	
		1	69 Lakhs	
10.	Ph. D graduation details	Regular	Part Time	
		6	-	



Workshop on Geotextile Reinforced Sustainable Pavements, July 8-12, 2019



Workshop on Geotextile Reinforced Sustainable Pavements, July 8-12, 2019

Department: Computer Applications

The Department of Computer Applications is one of the pioneering departments of the institution that offers Information Technology courses such as MCA and one among the top five offering MCA courses in the country. Our Department is NBA accredited for 5 years from 2017-18 to 2021-22. The department currently offers three full-time post-graduate programmes — three-year Master of Computer Applications (MCA), two-year Master of Science in Computer Science and two- year M.Tech. in Data Analytics. The department comprises of fifteen faculty members (All of them with doctorate degrees) and is actively involved in research and in carrying out projects besides teaching. The persistence of the dedicated faculty in maintaining the standards is manifest in the successful placement and in the production of Ph.Ds. In this academic year, around four books were published by faculty members. The department conducted six workshops during this academic year.

Summary (AY 2019 - 20)

Sl.No.	Details	Total Nos.	
1.	Articles (Scopus / WoS / Q1 Journal)	82 / 19 / 6	
2.	No. of books / books chapters published	Books	Book chapters
		4	-
3.	Sponsored Projects	Numbers	Amount (in Lakhs)
		1	22.22
4.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		6	-
5.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		12	-
6.	Guest Lectures	Delivered	Organized
		5	-
7.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students
		-	-
8.	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)
		1	18.89 Lakhs



Work Shop on Computational Intelligence Techniques during 16th – 17th November 2019

Department: Computer Science and Engineering

The Department of Computer Science and Engineering, NIT, Tiruchirappalli was started in the year 1983. It offers one Under-Graduate programme (B.Tech.), one Post-Graduate programme (M.Tech. in Computer Science and Engineering) and research programmes (M.S. and Ph.D.) in the various fields of Computer Science and Engineering. The department has proven its excellence in research by publishing nearly 66 papers in reputed journals and conferences that are indexed in prestigious databases like SCI, Scopus, IEEE, etc. The department had carried out two consultancy projects, organized one International Conference, one National Conference and four workshops during this academic year.

Summary (AY 2019 - 20)

Sl.No.	Details	Total Nos.	
1.	Articles (Scopus / WoS / Q1 Journal)	56 / 20 / 1	
2.	No. of books / books chapters published	Books	Book chapters
		-	5
3.	Sponsored Projects	Numbers	Amount (in Lakhs)
		2	54
4.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		5	1
5.	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)
		-	-
6.	Ph. D graduation details	Regular	Part Time
		6	1

**FACULTY DEVELOPMENT PROGRAMME****SRAIC INTERNATIONAL CONFERENCE**

Department: Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering was started in the year 1964. The department offers one Under-Graduate programme (B.Tech.), two Post-Graduate Programmes (M.Tech. in Power Systems and Power Electronics) and also Research Programmes (M.S. and Ph.D.) in the various fields of Electrical and Electronics Engineering. The department has contributed in research by publishing several papers in reputed Journals. The 9th National Power Electronics Conference (NPEC 2019) was organized during 13th – 15th December 2019. The department has received funding under SPARC Scheme for 26.91 laksh. Apart, from this the department has received few research Projects funded through various funding agencies such as DST, SERB – MATRICS and CPRI. Further he department to publish four patents.

Summary (AY 2019 - 20)

Sl. No.	Details	Total Nos.		
1.	Articles (Scopus / WoS / Q1 Journal)	64 / 34 / 24		
2.	No. of books / books chapters published	Books	Book chapters	
		3	-	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		3	75	
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	3.7	
5.	No. of Patents	Filed	Published	Granted
		-	4	-
6.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		1	-	
7.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		5	-	
8.	Guest Lectures	Delivered	Organized	
		4	-	
9.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		1	1	
10.	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)	
		2	30.83	
11.	Ph. D graduation details	Regular	Part Time	
		9	-	



9th National Power Electronics Conference (NPEC 2019)

Department: Electronics and Communication Engineering

The Electronics and Communication Engineering (ECE) Department was established in the year 1968. The department offers Undergraduate (UG), Post Graduate (PG), M.S. (By Research) and Ph.D. degree programs that provide students with the knowledge and tools they need to succeed in the Electronics and Communication Engineering. Research in the department focuses on high-impact various disciplines: Communication systems, Wireless networks, Signal and Image Processing, RF MEMS and MIC, Microwave antennas, Optical communication and Photonics, VLSI technologies. In 1968, Five year B.E. Degree Programme in Electronics and Communication Engineering was offered with 40 seats affiliated to University of Madras. In the year 2003, the institution was granted Deemed University Status with the approval of the UGC/AICTE and Government of India and renamed as National Institute of Technology (NIT). Currently the department offers four-year B.Tech. course with student intake of 120. In 1976 the department started M.E. course in Communication Systems and in 1999, M.E. course in VLSI System was started. Both the PG courses having an intake of 28 students. Department produced first doctoral degree in 1989. In 2005, department started the course M.S. (By Research). The department of ECE is one of the established and largest departments in the institution. Our faculty brings state-of-the-art research, development, and design experience into the classroom, ensuring that our students and alumni are able to apply for registration as professional engineers in all part of global engineering and the scientific community. In all courses the Department has built an excellent reputation for its graduates in terms of placements.

Summary (AY 2019 – 20)

Sl. No.	Details	Total Nos.		
1.	Articles (Scopus / WoS / Q1 Journal)	111 / 43 / 7		
2.	No. of books / books chapters published	Books	Book chapters	
		-	1	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		5	214	
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	1.88	
5.	No. of Patents	Filed	Published	Granted
		-	1	-
6.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		-	1	
7.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		-	52	
8.	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)	
		-	38	
9.	Ph. D graduation details	Regular	Part Time	
		6	-	



International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW-2019)

Department: Energy and Environment

Under the auspices of UK – India RECs Project: Energy Theme, Centre for Energy and Environmental Science and Technology (CEESAT) was established at Regional Engineering College (NIT-T) in 1995. Faculty had undergone training at various UK universities such as University of Salford, UMIST, Demonfort, Sheffield, Reading, Leeds and Building Research Establishment. CEESAT was renamed as Department of Energy and Environment (DEE) in 2014. The time of the department is shared equally between academic, research and consultancy activities. The consultancy activities are operated to generate surpluses without affecting the academic quality. The DEE facilities include the state-of-the art laboratories, equipped with sophisticated instruments and software The ISO9001:2008 Certified labs are established in December 2014 with the objective of testing the research and industrial samples. NABL accreditation is obtained for calibration laboratory in February 2018. The major research activities at DEE include the areas are of bio energy, solar energy, CO₂ sequestration using microalgae, phyco remediation, Computational fluid dynamics, wind energy, energy efficient building design, and energy & environmental audit.

Summary (AY 2019 - 20)

Sl. No.	Details	Total Nos.		
		Numbers	Amount (in Lakhs)	
1.	Articles (Scopus / WoS / Q1 Journal)	12 / 6 / 5		
2.	Consultancy work carried out	1	1.13	
3.	No. of Patents	Filed	Published	Granted
		-	1	-
4.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		3	-	
5.	Guest Lectures	Delivered	Organized	
		4	-	



NABL (17025:2017) certificate for Calibration Laboratory (CLDEE)

Visit of 5MW solar PV plant at BHEL by M.Tech. Energy Engg. students on 07.11.2019

Department: Humanities and Social Sciences

The Department of Humanities and Social Sciences (formerly, the Department of Humanities) has been in existence since 2004. This top-ranked Department among the NITs is known for independent interdisciplinary research and for a dynamic collaboration between faculty and students. To meet the existing demands of industry, business, public and private organizations, academic and human services, the Department has constantly striven for a practical curriculum with a high degree of professional relevance, enabling students to face real time challenges. Accordingly, the Department has been offering a wide range of core and elective courses to undergraduates and graduates. The Department has been offering a full-fledged Ph.D. program since 2004 and has produced quality research work in newer areas of Humanities and Social Sciences. Recognizing the growing demand for humanities-based courses, the Department also offers Minor Degree Courses in Economics and in Language/Literature.

Summary (AY 2019 - 20)

Sl.No.	Details	Total Nos.	
1.	Articles (Scopus / WoS)	15 / 2	
2.	No. of books / books chapters published	Books	Book chapters
		2	-
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		4	-
4.	Ph.D. graduation details	Regular	Part Time
		2	-



Workshop on Structural Equation Modelling - Basic & Advanced Analysis(2-12-2019 to 6-12-2019)



Research Colloquium on Business & Social Sciences(29-11-2019 to 3-12-2019)

Department: Instrumentation and Control Engineering

Department of Instrumentation and Control Engineering was established in the year 1993. It offers one Under-Graduate programme (B.Tech.), one joint Post-Graduate programme M.Tech. (Process Control and Instrumentation) and also research programmes (M.S. and Ph.D.) in the various fields of Instrumentation and Control Engineering for both regular and part-time scholars. The curriculum is being updated regularly with inputs from industries and reputed educational institutions. The department with its state of the art laboratories, as well as young and dynamic faculty is involved in providing quality education at both UG and PG levels. Dr. C. Geetha awarded Young Woman Engineer Award 2019 by IEI, Tiruchirappalli Local Centre. Kamalesh Palanisamy (110117039) won first prize in Grand Finale of Smart India Hackathon 2019 - Software Edition, Vishal Gopinath (110116031) got internship in Science and Engineering (WISE), 2019 and DAAD Fellowship.

Summary (AY 2019 - 20)

SI.No.	Details	Total Nos.		
1.	Articles (Scopus / WoS / Q1 Journal)	36 / 22 / 3		
2.	No. of books / books chapters published	Books	Book chapters	
		3	1	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		5	179	
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		Many	9.6	
5.	No. of Patents	Filed	Published	Granted
		2	1	2
6.	Conference / Seminar / Symposia / Workshops organized by the Department(faculty)	National	International	
		6	1	
7.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		1	40	
8.	Guest Lectures	Delivered	Organized	
		6	-	
9.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		5	-	
10.	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)	
		3	41.2	
11.	Ph. D graduation details	Regular	Part Time	
		5	1	



TEQIP-III Sponsored International Conference on Instrumentation and Control Engineering (ICECON - 2019)

Department: Management Studies

The Department of Management Studies (DoMS) was established in the year 1978. Since its inception, the mission of DoMS is focused towards enriching the society through education, research and consultancy. The proven strengths of DoMS are in the field of Business Analysis & IT Consulting and Business Analytics. DoMS also capitalizes resources of other engineering department of NIT-T in terms resource pooling and sharing for academic and research activities. The department also has a strong industry connect and the vast source of alumni network is the biggest asset that DoMS constantly leverages-on.

The department has achieved a momentous breakthrough this academic year through the persistent performance of its faculty, students and research scholars in academics, co-curricular and extra-curricular activities. DoMS, NIT Trichy has been ranked 17th position under management category in NIRF rankings 2019 by Government of India. Consistently DoMS was ranked Top 5 in South India, Top 5 in ROI, and Top rated among the top 100 B-schools in India.

Summary (AY 2019 - 20)

Sl. No.	Details	Total Nos.	
		Numbers	Amount (in Lakhs)
1.	Articles (Scopus / WoS / Q1 Journal)	21 / 6 / 2	
2.	Consultancy work carried out	1	83.8 Lakhs
3.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		11	-
4.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		-	2
5.	Guest Lectures	Delivered	Organized
		1	20
6.	Ph. D graduation details	Regular	Part Time
		1	-

**Nisadya'19, Annual Business Fest****INACON'19, Industry Academia Connect**

Department: Mathematics

Faculty members of department of mathematics have made good number publications in reputed journals and two Ph.D. research scholars completed viva. These outgoing students were placed in various academic and research organizations. Many of existing Ph.D. students have attended international and national conference and presented their research work organized by various leading institute. Also department faculty members have visited many universities and colleges and have given invited talks in national conferences and workshops. Professor K. Murugesan have attended LEAP (Leadership for Academicians program), organized by NIT, Trichy, IIIT, Sri City and NTU Singapore under the MHRD, Government of India. 4th -17th Feb, 2019. Department of mathematics offering new PG program M. Sc. (Mathematics) from the academic year 2019-20.

Summary (AY 2019 - 20)

Sl. No.	Details	Total Nos.	
		National	International
1.	Articles (Scopus / WoS / Q1 Journal)	28 / 15 / 6	
2.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International
		4	2
3.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International
		3	2
4.	Guest Lectures	Delivered	Organized
		23	-
5.	Ph. D graduation details	Regular	Part Time
		1	-



National Conference on Mathematical Analysis and Applications



International Workshop and Conference on Mathematical Analysis and Computation

Department: Mechanical Engineering

The Mechanical Engineering Association (MEA) is an organization under the department of Mechanical Engineering at NIT Trichy, which, apart from Synergy, organizes events, workshops, guest lectures, and industrial visits. This year MEA has established the Mechanical Innovation Centre (MIC), which is a platform for the highly motivated students with an aim for innovation. Furthermore, MEA aims at structuring the Alumni network for the first time which is under discussions. Synergy is the National level annual technical symposium of the mechanical department of NIT Trichy. Conducted over a span of three days, the symposium is a celebration of the enigma that is mechanical engineering and every innovation pertaining to it. Playing host to a large-scale participation from numerous colleges of the country, it engages the brilliant minds with an array of workshops, events and guest lectures. Its main objective is to enhance the learning process by providing inventive insights to the cutting-edge innovations in the mechanical field. The department has consistently performed in Sportsfete (Inter-department sports fest) and NITTFEST (Inter-departmental cultural fest). This academic year, Mechanical Engineering has won the 1st place (Winners) in Sportsfete18-19 and has secured 2nd place (Runner-up) in Nittfest'19.

Summary (AY 2019 - 20)

Sl.No.	Details	Total Nos.		
1.	Articles (Scopus / WoS / Q1 Journal)	98 / 77 / 24		
2.	No. of books / books chapters published	Books	Book chapters	
		-	8	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		2	96.2	
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	14.23	
5.	No. of Patents	Filed	Published	Granted
		-	6	-
6.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		12	1	
7.	Conference / Seminar / Symposia / Workshops Attended by the faculty & students	National	International	
		1	20	
8.	Guest Lectures	Delivered	Organized	
		5	2	
9.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		-	8	
10.	Major Equipment (more than Rs.5.00 lakhs)	Number	Amount (in Lakhs)	
		1	115	
11.	Ph. D graduation details	Regular	Part Time	
		13	5	



2nd International Conference on International Mechanical Engineering Congress (IMEC) 2019

Department: Metallurgical and Materials Engineering

The department of MME have contributed to the institute significantly at various levels, both nationally and globally in the year 2019-20. A total of 109 Scopus journals, 71 Web of Science indexed journals and 16 Q1 Journal papers were published by the faculty members and their research scholars during the year 2019 -20. The Department faculty members have obtained 5 sponsored projects worth 243 lakhs from government agencies such as SERB, DST (INT-RUSSIA, ISRO – RESPOND and SERB – TARE). Consultancy works worth 33.4 lakhs was done. A revenue 19.56 lakhs was generated through short term courses. Dr. S. Muthukumaran had published 4 patents. In addition to this faculties and students have participated in various conferences both at national and international level.

Summary (AY 2019 - 20)

Sl. No.	Details	Total Nos.		
1.	Articles (Scopus / WoS / Q1 Journal)	109 / 71 / 16		
2.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		5	243	
3.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	33.4	
4.	No. of Patents	Filed	Published	Granted
		-	4	-
5.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		2	-	
6.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		23	-	
7.	Guest Lectures	Delivered	Organized	
		1	-	
8.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		1	5	



2nd International Conference on Recent Trends in Metallurgy, Material Science and Manufacturing (IMME 2019) during 27-28 December 2019

Department: Physics

Physics Department is now strengthened with 1 Professor-HAG, 3 Professors, 9 Associate Professors and 1 Assistant Professor. The department has been engaging in continuous teaching-learning process at all levels namely, B.Tech. (all branches), M.Tech. (Non-Destructive Testing) and M.Sc. (Physics) programmes. In addition, the department continues to strive hard in frontier research activities. As a result, our international publications in the last year scaled to 100, with 6 Ph.D. degrees being awarded. Our faculties are also consciously taking effort in organizing guest lectures, symposia, workshops and weekly seminars to enhance the learning scope for students. Our faculties and research scholars are actively involved in outreach activities of various forms. Finally, our post-graduate students are well placed in through campus placement, and some of them cleared GATE/NET examination and secured Ph.D. position in other institutions including IITs.

Summary (AY 2019 - 20)

Sl. No.	Details	Total Nos.		
1.	Articles (Scopus / WoS / Q1 Journal)	79 / 71 / 25		
2.	No. of books / books chapters published	Books	Book chapters	
		-	-	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		4	81.2	
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		1	0.68	
5.	No. of Patents	Filed	Published	Granted
		-	1	-
6.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		2	-	
7.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		23	-	
8.	Guest Lectures	Delivered	Organized	
		1	-	
9.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		1	5	



ISNT National Conference on NDE for Research Scholars and Students 25th – 26th September 2019

Department: Production Engineering

The Production Department offers B.Tech. (Production Engineering), M.Tech. (Manufacturing technology), M.Tech. (Industrial Engineering and Management), M.S. and Ph.D. programmes. State-of-the-art laboratories are available in the areas of Machining, Forming, Welding, Casting, Robotics, CIM, CNC, Mechatronics, Modeling, Simulation, Ergonomics, Tribology, Composite materials and Operations Management. Many research papers have been published in journals and conferences. More than 140 Ph.D. degrees were awarded through research guidance by the faculty of Production Engineering. The department offers engineering consultancy in the areas of design, manufacturing and resource management. Production Engineering Department has obtained the Best Department Award 2019 among the Institute in appreciation of our contribution to the growth of the Institute in the Engineering discipline. UG and PG programmes are accredited by the NBA.

Summary (AY 2018 - 19)

Sl.No.	Details	Total Nos.		
1.	Articles (Scopus / WoS / Q1 Journal)	121 / 88 / 20		
2.	No. of books / books chapters published	Books	Book chapters	
		1	6	
3.	Sponsored Projects	Numbers	Amount (in Lakhs)	
		2	42.52	
4.	Consultancy work carried out	Numbers	Amount (in Lakhs)	
		Many	35.42	
5.	No. of Patents	Filed	Published	Granted
		4	-	-
6.	Conference / Seminar / Symposia / Workshops organized by the Department	National	International	
		1	-	
7.	Conference / Seminar / Symposia / Workshops Attended by the faculty	National	International	
		-	13	
8.	Guest Lectures	Delivered	Organized	
		8	-	
9.	Fellowships (Faculty) / Internship in Abroad (Student)	Faculty	Students	
		-	-	
10.	Major Equipment (more than Rs. 5.00 lakhs)	Number	Amount (in Lakhs)	
		-	-	
11.	Ph. D graduation details	Regular	Part Time	
		5		



IEI Sponsored All India Workshop on Theory and Practice of Sustainable Manufacturing

Department: Computer Support Group

The OCTAGON - Computer Center is the sterling hallmark of this campus was opened with the theme of "Dare to Dream". This center serves the campus-wide LAN in close association with the user departments. This LAN caters to about 7500 users across the campus (using Wired connection and through Wireless). It has a 10 Gbps fiber optic backbone interconnecting the departments/buildings. It also acts as a resource centre to supplement classroom instructions with laboratory sessions.

The OCTAGON & TwinNet (Annex1) and Third i (Annex2) buildings accommodates the central computing facilities, it has a server room with 40 high-end servers and there are 9 laboratories (5 labs in Octagon building, 2 labs in the TwinNet (Annex1) and 2 labs in the Third i (Annex2) building) with totally 600+ high-end computers. The centre is maintained by the department of Computer Support Group (CSG).

Summary (2019-20):

- CSG / NIT-T has inaugurated the new Annex2 building named as "Third i", which can house an additional 600 systems (in 4 laboratories), a huge conference hall and two seminar halls. Laboratories are furnished with modern furniture from Godrej. There are many other features to this added IT support of the institute. this new "Third i" building has been inaugurated by Padma Bhushan Shri Kris Gopalakrishnan, who co-founder of Infosys.
- CSG has purchased and installed 267 numbers of High-End All-in-One (AIO) Computers two of the Labs at Ground Floor of Newly inaugurated Third-i Building.
- CSG has purchased and installed Two numbers of Sonicwall NSSP 12400 High-End UTM with High Availability (HA) with automatic failover, active-active (supporting up to 10,000 users with redundant fan & power supply) 3 years warranty & subscription to enable Network Security.
- CSG has purchased and installed Two numbers of Sonicwall ESA 9000 Email appliance with High Availability (HA) with automatic failover, active-active (with redundant fan & Power supply) (Qty: 2 for Active – Active) with 4 years warranty & subscription to enable Email Security.
- CSG has developed the portal for Ph.D. written test and exams were conducted through this portal (online mode).
- CSG has supported for various recruitment process through the recruitment portal and Computer based Test (CBT) developed by CSG. Around 67 New Faculty (Asst. Professors) recruited through the support the recruitment and CBT examination portal.
- CSG / NIT-T has recruited 2 Senior Technical Officers and 3 Technical Officers for CSG.
- CSG has purchased and installed High-End Email Servers, Mid-Range & Entry Level Servers (2 numbers each).
- CSG has purchased and installed 44" Large format color Printer / Plotter for Larger Printing requirements.
- The HEFA loan of Rs. 19.52 Crores sanctioned for CSG to enhance the existing IT infrastructure of the campus and to setup smart class rooms.
- CSG had purchased the following Servers under HEFA: High-End Servers (3U Rack): 3 numbers, Entry Level Servers (1U Rack Server): 7 numbers, Mid-Range Servers (2U Rack Server): 4 numbers.
- CSG had purchased COMSOL following 15 additional modules: Acoustics, Batteries & Fuel Cells, Chemical Reaction Engineering, Composite Materials, Corrosion, Material Library, Metal Processing,

Microfluidics, Multibody Dynamics, Optimization, Particle Tracing, Pipe Flow, Ray Optics, Subsurface Flow, Wave Optics under HEFA

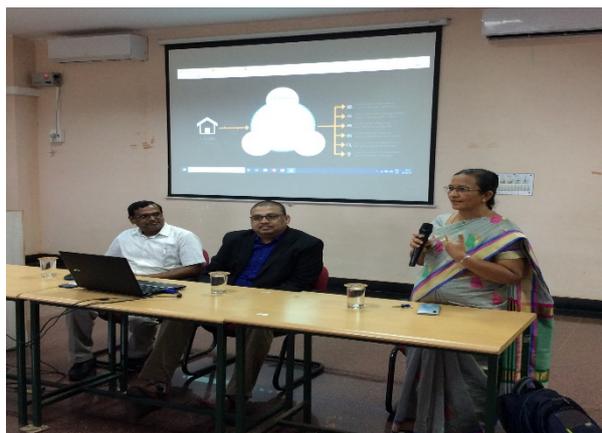
- CSG had purchased Simulia Academic Abaqus base Research license 2 user with 10 Tokens of Abaqus Analysis under HEFA
- CSG had purchased 3D Experience (Catia & Delmia) – additional 30 user license - 3DExperience Academia Suite: 3DExperience essentials for academia, Business & industry innovation for academia, Design & Engineering for academia, Manufacturing & Production for academia (small) under HEFA
- CSG had purchased SPSS & AMOS - Additional 20 Users : SPSS Base Module, Advanced Statistics, Custom Tables, Missing Values, Regression, Categories, Forecasting, Neural Networks, Conjoint, Exact Tests, Amos under HEFA
- CSG had purchased Cisco WebEx educational software license Subscription (300 users) under Rev. Exp.
- CSG had placed purchased order for the Renewal of Microsoft Open Value Subscription Education Solutions for 3 Years as listed below:
 - Microsoft Open Value Subscription Education Solutions (formerly known as Microsoft Campus Agreement) for volume licensing of Microsoft software for 400 FTE
 - Microsoft Windows Server Datacenter Edition license & software assurance for 200 licenses
 - Microsoft Visual Studio Enterprise with MSDN license & software assurance for 10 licenses
 - Microsoft Project Professional for 10 licenses,
 - Microsoft Visio Professional for 10 licenses
- CSG had placed purchased order for the Renewal Matlab TAH / Subscription / renewal / maintenance (for three years) of Campus-Wide License of MATLAB and Simulink product family for the institute. Full Suite Program which includes all products / toolboxes available for academia (currently 95+ toolbox).
- CSG had placed purchased order for Solidworks software upgradation (200 Users) for 3D CAD, Simulation (FEA Tool), Flow Simulation, Plastics, Electrical, Visualize, CAM modules.
- CSG had placed purchased order for Catia v6 6R2013x (15 Users) & Delmia v6 6R2013x (5 Users) upgradation to Catia 3D Experience
- CSG had placed purchased order for Comsol Software additional modules upgradation: AC/DC Module, RF Module, CFD Module, MEMS Module, ECAD import Module, Design Module, LiveLink for Excel (CKL - 30 Users) network floating license
- CSG had placed purchased order for SPSS AMOS additional module (IBM SPSS AMOS Version 26.0) upgradation (10 Users) network floating license
- CSG had placed purchased order for upgradation / renewal of Mathematica software (5 user)
- CSG had placed purchased order for upgradation / renewal of MSC University MD FEA + MSC Motion software bundle (150 users each).
- Digital Document Filing System (DDFS) - Paperless Office Software subscription procured by our Institute's Stores & Purchase section from M/s. Ospyn Technologies (P) Ltd. Post purchase of the software, the CSG has made the configuration / deployment of the software to enable a paperless environment in the campus.
- CSG has started supporting (with minimum man power) for Online classes and Video Conferences through MS Teams and Cisco WebEx software due to Covid-19 Lockdown started.

Department: Central Library

Central Library is the institute's heart to cater the learning resource and knowledge to the bonafide students, research scholars, faculty members, and staff. It has more than two and a half lakhs of books and other documents consisting of Reference books, Handbooks, Technical books, Reports, Journals, and Standards. The Library holds multimedia resources such as CD-ROMS, Audio Visual Educational Cassettes. It subscribes 118 periodicals (print), 8000+ e-Journals, and 780+ e-books and archived 17690 back volume journals. Book Bank scheme facilitates UG and PG students with 16,750 textbooks. Digital Knowledge Centre has 70 terminals with DVD-RW Drive to browse multimedia and eResources. Wi-Fi facility has enabled for walk-in users. Central Library is almost covered under CCTV camera surveillance. Library Security system of issue-return of books and other documents has been empowered through RFID Technology. Indian Research Information Network System (IRINS) was maintained and updated by the Library, such as faculty publications, etc. Central Library provides the motion of scholarly publications through plagiarism verification (Turnitin and Urkund) and advising to find the right journals in the era of Open Access and predatory journals. All the eResources subscribed by the Library are linked in the Library webpage for easy access by the researchers. Due to the rise of the pandemic period Library also initiated the remote access facility for the students and research scholars resides out of the campus.

Summary (AY 2019 - 20)

Sl.No.	Details	Total Nos.			
		SCI & SCIE	-	Scopus	-
1.	Articles	Scopus	-	Others	-
2.	Conferences	-	-	-	-
3.	Conference / Seminar / Symposia / Workshops organized by the Department	-	-	-	3



SCOPUS and SciVal on campus hands-on training workshop on 26.02.2020

Department: Training and Placement**Notable T&P related achievements:**

During the year under report (2019-20), the students' placement record continues to be maintained at higher percentages despite global sluggishness. The overall percentage of placements for under graduate programme was **92.2%** and Post Graduate Programme was **87.2%**. Summary details are given below:

Notable Achievement:

No. of Companies Visited	No. of Students Placed	Percentage (registered)
223	UG : 522 PG : 496	UG : 92.2 PG : 87.2

Onset of pandemic from January'20 and subsequent lockdown from March'20 proved to be a severe blow for placement activities world over. Despite the trying times, the switch over remote/online campus recruitment was smooth and seamless and the year ended almost at near normal performance.

Summary (2019-20)

Sl.No.	Details	Total Nos.			
1.	Journals / International*	(Under Department of Energy and Environment) Development and testing of condensate assisted pre-cooling unit for improved indoor air quality in a computer laboratory", Building and Environment, 163, 106321, 2019 DOI: 10.1016/j.buildenv.2019.106321			
2.	Journals / National	--			
3.	Conference / International	--			
4.	Conference / National	--			
5.	Sponsored Projects	No's:	1	Amount:	
6.	Consultancy work	No's:	1	Total Amount :	Rs.70 lakhs (Jointly with DoMS trained 353 NLC Executives)
7.	No. of Ph.D. produced*	--			
8.	No. of Patents Published	--			
9.	No. of books / books chapters published	--			
10.	Fellowships / Internship in Abroad (Students)	--			
11.	Industrial Lectures	--			
12.	Guest Lectures	--			
13.	Technical Symposium	Jointly with Dr. B. Senthil Arasu, DoMS, conducted MDP series for 353 NLC Executives (consultancy worth 70 lakhs) as residential program – 11 batches of 5-day MDP each.			

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME PHASE-III

The Third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is a key component for improving the quality of Engineering Education in existing institutions. The project is implemented through the Ministry of Human Resource Development (MHRD) of the Government of India as a Central Sector Scheme (CSS). One of the main objective of **TEQIP – III** is twinning arrangements to build capacity and improve performance of institutions and ATUs participating in focus states. NIT Tiruchirappalli is the Mentor Institute for Dr. B. R. Ambedkar Institute of Technology, Pahargaon, Port Blair, Andaman & Nicobar Islands (Mentee Institute).

NIT Tiruchirappalli was sanctioned an amount of Rs.7.70 Crores under TEQIP-III. Out of this, Rs. 3.25 Crores is utilised for purchasing equipment as part of modernization of laboratories in various departments. An expenditure of Rs. 375.00 Crore is booked for Soft Components head (Faculty Staff Training, Student learning Activities, Institute reforms, Mentoring activities to Mentee Institute, Graduates employability-Finishing School, Start-up Cell, Industry Institute Interaction cell related activities, Research Development activities) and an amount of Rs.70 Lakhs is earmarked for the Operating cost.

Activities under TEQIP-III

1. Seed money to the faculty members (student projects) - 139 faculty members claimed under Research & Development Head worth Rs. 26 Lakhs.
2. BRAIT team visits NIT, Trichy under Twinning Arrangements during Dec 2017.
3. Selection of Asst. Prof. (TEQIP Institutions) MHRD, NPIU was successfully completed under TEQIP-III
4. Financial support to the Departments for conducting BoS/Academic Audit meeting under TEQIP-III 2017-18 & 2018-19
5. Order placed for Equipment worth Rs. 54 lakhs in various department laboratories
6. Stanford University - NPIU MHRD survey was conducted during December 2017 for two departments (EEE and CSE)
7. Three programmes were conducted under the start up-cell:
 - a) A programme for Technical Education in National Context to NIT Faculty members & NIT's Director was held from 5th to 7th October 2017. This was organised by Dr. G Kannabiran from Management Studies Department.
 - b) Business Plan Competition was conducted on 16th -18th Feb 2017, for NIT Faculty members and students. This was organised by Dr. G Kannabiran from Management Studies and Dr. N. Sivakumaran, the start-up Cell Coordinator.
 - c) A one day workshop on "Faculty Startups & Entrepreneurship" was held on 24th March, 2018. This was organized by Dr. G Kannabiran from Management Studies and Dr. N. Sivakumaran, the start-up Cell Coordinator.

8. A workshop on “Capacity Building of Women managers in Higher Education” was held from 4th to 9th December 2017 at NITT. This was organised by Dr.G. Uma and, Dr. D. Ezhilarasi from ICE Department and Dr. S. Mekala from Humanities Dept.
9. 54 students have visited canada under R&D head during May to July 2019 as part of the Student Mobility Programme by MITACS Canada & MHRD, NPIU New Delhi.
10. Conducted a short term course on “ Computer Skills” to non-teaching staffs during 4th June to 22nd June 2018. This was organised by the Computer Support Group, NITT (154 numbers).
11. Two International conferences were conducted by the Chemical Engineering and EEE Department during December 2018.
12. Four International Conferences were permitted for the year 2019 under TEQIP-III for ECE, MME, CSE and Mechanical Departments.
13. Conducted a workshop on “Faculty Induction Training Programme” during 21st to 23rd June 2018 for the newly joined faculty members (37 numbers). This was organized by the Dean Faculty Welfare Office and IITM.
14. Dean Students Welfare Office conducted an Orientation Programme for the first year B. Tech Students of all branches under TEQIP-III during 31st July, 2018 to till date.
15. Employability skill test was conducted for 469 first year B. Tech. Students during 4th to 6th Dec 2018.
16. Gate training was conducted for 150 Final year B. students during Feb 2019.
17. The GATE 2019 registration fee for 221 Final year B. Tech students were reimbursed.
18. The GATE 2020 trained and appeared for 231 Final year B. Tech students.
19. Seed money to the faculty members (student projects) - 201 faculty members claimed under Research & Development Head worth Rs. 38 Lakhs.

The following officials attended various training programmes:

- a) Dr. Radhakirishnan T. K., Coordinator, TEQIP and Dr. Sastikumar D., Dean (ID) attended the workshop on “TEQIP-III Implementation – Orientation” which was held on 21st July 2017 at New Delhi
- b) Dr. A. V. Reddy, Dean (Students Welfare) attended the workshop on “Induction programme for sensitization” which was held on 24th August 2017 at New Delhi
- c) Dr. M. Arivazhagan, Asso. Dean, Dr. U. Srinivasalu Reddy, Asso. Dean, and Dr. T. Ramesh, Asso. Dean attended the workshop on “Faculty-Mentors on induction programme for New Students” at Govt. Engg. College, Raipur which was held during 4th to 6th September 2017
- d) Eight Faculty members attended the Management Capacity Programme conducted by IIM.
 - Dr. M. Arivazhagan, - IIM Trichy

- Dr. K. Bhaskar, HoD, Civil Engg. - IIM Raipur
 - Dr. Karvembu, Professor, Chemistry – IIM Trichy
 - Dr. M. Murugewsan, Mathematics, IIM Calicut
 - Dr. Vinod Balakrishnan, Humanities, IIM Vizag
 - Dr. Sarthak Mandal, Chemical Engg., IIM Trichy
 - Dr. A. Ramakalyan, ICE, IIM Trichy
 - Dr. S.Arul Daniel, EEE IIM Trichy
- e) Dr.N.Sivakumaran, Start-up Cell Coordinator attended the workshop on “Start-up Activities’ & preparation of mini-action plan” held on 16th & 17th January, 2018 at BIT, Mesra, Ranchi
- f) Shri. R. Narayanan EE, Shri. R. Ravishankar AR (Stores and Purchases) and Shri.R. Karthikeyan A. R. (Accounts) attended a training programme on “Public Procurement” which was held during 8th to 13th Jan 2018 at NIFM, Faridabad.
- g) 54 faculty members attended three programmes on “Introduction to Machine learning with applications for engineering systems and Advanced deep learning”. Two programmes were organized by IIT Bombay and one was organized by NIT Trichy (Dec 2018, Feb 2019 and April 2019).

Twinning Activities:

1. DBRAIT team visited NIT, Trichy under the Twinning Arrangements programme during 6th to 8th December 2017.
2. Mentee Institution (DBRAIT) Short term & Long term plan was prepared on 31st January 2018.
3. Two Officials of NIT, Trichy team; Dr. S. Senthil Kumar, Nodal Officer Academic TEQIP-III & Dr. V. Sunitha, Nodal Officer Procurement TEQIP-III visited DBRAIT under Twinning Activities during 14th & 15th May 2018.
4. Dr. J. Karthikeyan, Asso. Prof., Civil Engineering, NIT,Trichy delivered lectures on the topic “Advanced Structural Analysis” under Twinning Arrangement activities held on 13th & 17th September 2018 at DBRAIT.
5. Performance Auditor - Prof. N.C. Shivaprakash, IISc, Bangalore & NIT Trichy TEQIP team of Dr. M.Udayakumar, TEQIP Coordinator, Dr. N. Sivakumaran, Start-up cell coordinator and, Dr. S. Senthilkumar, Nodal Officer Academic TEQIP-III attended the “Twinning Arrangement activities” held on 12th & 13th October 2018 at DBRAIT, Andaman.

NAME	DESIGNATION	TOPICS OF LECTURES DELIVERED
Dr. M. Udayakumar	Co-ordinator, TEQIP-III, Professor Dept. of Mechanical Engineering, NIT-T	Special Lecture on Electric Vehicle Technology- Indian Scenario.
Dr. N.C. Siva Prakash	NIT-T Performance Auditor, TEQIP-III, Professor, Dept. of Electronics and Instrumentation Engineering, IISC Bangalore	Motivational Discussion with TEQIP Officials / HoDs / Faculty/ Staff and students.
Dr. S.Senthil Kumar	Nodal Officer (Academic), TEQIP-III, Associate Professor, Dept. of Electrical and Electronics Engineering, NIT-T	Special Lecture on Electric Machines in Wind Energy Electric Conversion System.
Dr. N.Sivakumaran	Start-up cell co-ordinator, Professor, Dept. of Instrumentation and Control Engineering, NIT-T	<ul style="list-style-type: none"> • Overview of Start-up cell activities at DBRAIT • Case Studies on intelligent system design

6. Dr. S. Moorthi, Asso. Prof., Dr. M. Venkatakrithiga, Asso. Prof. & Dr. P.Raja, Asso. Prof. of EEE Dept. attended a programme for finalizing the SAR preparation under "Twinning Arrangement activities" which was held from 7th to 11th November 2018 at DBRAIT, Andaman.
7. The DBRAIT team of 5 Officials (Dr. V. Alagusundaram, HoD (Computer), Shri. Arun Srivastava, HoD (Electrical), Dr. Jenson Daniel, HoD (Civil), Shri B.K. Jena, HoD (Mechanical), Shri. Harsabardhan Barik, Assistant Prof, CSE, N.O. (Procurement)) visited NIT Trichy under TEQIP-III Procurement plan preparation which was held on 29th & 30th January 2019.
8. Prof. S. Raghavan, ECE Dept. attended DBRAIT as a BoG nominee on 15th April 2019 & also as a Viva voce Project Examiner of final year B.Tech students on 16th April 2019 at DBRAIT.
9. Three NITT students (CSE, Civil, ECE) of Campus Interview committee visited DBRAIT, Andaman & Nicobar during 22nd and 23rd April 2019 to accelerate the student activity (Company Data base, Placement brochure, JEE Mock test for aptitude etc.).
10. Dr. Utpal Sharma, Principal, DBRAIT, Port Blair, A&N visited to NITT on 17.04.2019 to interaction with the Director and TEQIP team to achieve the target.
11. Mr. Sourav Debnath, Assistant Librarian visited to DBRAIT as resource person for 2 days workshop on Integrated Library Management System(ILMS) for 11th & 12th May 2019.
12. Internship is arranged for 10 students of DBRAIT from 3rd June to 3rd July 2019.
13. Faculty and students (1+7)from DBRAIT visited NITT during 27th to 31st Aug, 2019.

14. 7 students and a faculty member visited NIT Trichy during 27th to 31st August 2019. They visited SEM center and SCIENT.
15. DBRAIT Team met Dean (S/W), Dean(ID), TEQIP Officials, various Dept. visit, Placement Officer and discuss with various students clubs and general facility visited.
16. DBRAIT 12 students participated in Festember 2019 at NITT during first week of October 2019 .
17. Shri Sukhvinder Singh, CSE faculty visited NITT related to video conference arrangements NITT & DBRAIT on 23rd August 2019.
18. Many faculty attended Ph. D written test and interview during admissions 2019.
19. Shir Altamash Mustafa, AP Civil regarding conformation of rate reasonability of procurment visited 3rd to 5th Nov 2019.
20. Dr. K. R. Balasubramanian, Nodal Officer(Finance), Dr. K. Panneerselvam, Nodal Officer (Academic) and Dr. S. Jerome, EAP Coordinator, TEQIP-III of NIT trichy team along with Prof. N.C. Shivaprakash, IISc, Bangalore to accelerate the Twinning arrangement activities held on 19th and 20th, Aug 2019.
21. Dr. Kunwar singh and Dr.E. Sivashankar, CSE Dept faculty of NIT Trichy faculty delivered the guest leacture and attended B.Tech students viva exam held 15th & 16th October 2019.
22. The Director, NITT and TEQIP Team accelerate the twinning activities held January 7 & 8, 2020.
23. The Director NITT delivered a lecture, "Women Empowerment" on 7th January 2020 for all students and faculty of DBRAIT.
24. Student Council member and Hostel convener (8 members team) to participate PRAJANA 2020 happened 30th and 31st January 2020.

CENTRE FOR ENTREPRENEURSHIP DEVELOPMENT AND INCUBATION

(Established as Section 8 Company under Companies Act, 2013)

Centre for Entrepreneurship Development and Incubation (CEDI), a Section 8 Company promoted by the institute has been in the forefront to promote activities spanning the entire value chain of Innovation and entrepreneurship development.

1. Entrepreneurship and Startup Incubation Program organized

ENTREPRENEURSHIP AND STARTUP INCUBATION PROGRAM, 2020

OFFERS

- Seed fund of INR 25 lacs with DEBT-EQUITY options
- Mentoring, Business Support and Networking
- Student Internships
- Access to R&D facilities and Brain power offer NIT Trichy
- Ready to Use Incubation cells

HEALTHCARE **ENERGY** **MOBILITY**

WOMEN & SOCIAL **WATER**

MANUFACTURING **ECOMMERCE & ICT**

AGRICULTURE **Other domains...**

TECHNOLOGY

Who can attend? Students, faculty members, research scholars, Professional engineers and MSME Industries, young aspiring and budding entrepreneurs, Startups.

Date: 19th FEBRUARY 2020 (WEDNESDAY) TIME: 10:30 AM to 4:00 PM
Venue: THE INSTITUTION OF ENGINEERS (INDIA), MADURAI

For Details & Registration on or before 15th FEBRUARY 2020

Mr. R. NARAYANASAMY,
 Hon. Secretary, IEL, Madurai Local Centre,
 No. 5, 520 Feet Road, Sunmeyer Colony,
 Madurai-625 007, Tel: 0952-4173087,
 Mobile: 04830 43964,
 Email: icl_mrc@yahoo.in

Mr. G. KRISHNAN, **Manager**,
 CENTRE FOR ENTREPRENEURSHIP DEVELOPMENT AND INCUBATION
 National Institute of Technology,
 Tiruchirappalli, Madurai: 60776 81106
 E-mail: cedioffice@nit.edu
 Website: www.nitl-cedi.in

St. Joseph College, Trichy on 22nd JAN 2020 with a participation of about 120 College students



The Institute of Engineers, (INDIA) Madurai Local Centre, on 19th FEB 2020 with participation of about 80 students from nearby colleges and 25 SMEs.

2. Faculty Startup Initiative Program @CEDI:

Faculty Startup Selection process held on 14th JUNE 2019 and 24th Aug 2019

Eight faculty teams have presented for the Faculty Startup Initiative; two levels of selection process have been conducted to evaluate the proposal by the selection committee.



2.1 The following projects have been selected for the faculty startup program with the necessary hand holding support from CEDI

Sl.No.	Faculty name	Project Title
1	Dr.S.Domnic, Associate Professor, Dept. of Computer Applications	Person Detection and Recognition from Live Surveillance Video Streaming for Societal Applications
2	Dr.K.Pannir Selvam, Associate Professor, Dept. Mechanical engineering	Proposal for Start-up company to manufacture solar cooking system
3	Dr.R.Periyasamy, Assistant Professor, Dept. of ICE	A novel device for evaluating somatosensory status on plantar surface of diabetic patients

2.2 Faculty startup company which have been incorporated at the Ministry of Corporate affairs.

SI.No.	Faculty Promoters	Company Name
1	Dr.S.Domnic, Associate Professor, Dept. of Computer Applications	AIDVISION SOLUTIONS Pvt. LTD
2	Dr.R.Periyasamy Assistant Professor, Dept. of ICE	PROGNOSTIK HEALTHCARE INSTURMENTS Pvt. LTD.

3. Selection of New Incubatees held on Level-1, 17th July 2019 & Level -2 ,24th August 2019:

In the selection process, 16 teams have been shortlisted in the Level 1 and out of which the following **two teams** have been selected for the CEDI Incubation program during the year 2019:

SI.No.	Company Name	Venture/Project Title
1	Trawello Health Care Pvt Ltd. (NITT Alumni Startup)	HealthCare related Technology development
2	Ramani Educational and Charity Trust (women entrepreneur)	Creating livelihood for the rural women and college students by product training and skill development on six product categories

These above incubatees have been identified for the Mentoring, Student Internships, Infrastructure support, Office space/ Incubation Cell on rental basis.



4. NITT-Student Internship @ CEDI Startups:

The following student intern support have been provided to the CEDI startup in association with NITT- Training and placement office.

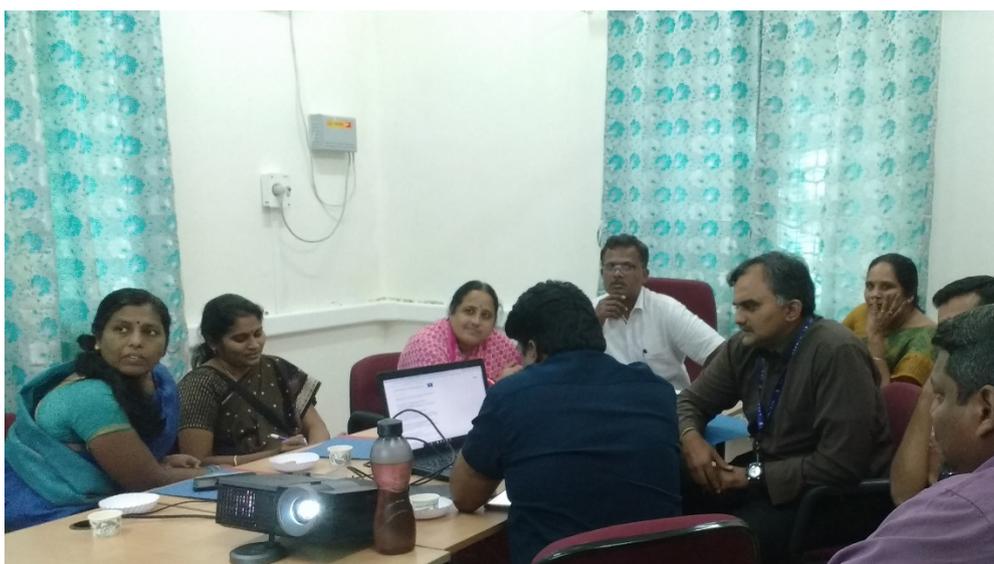
SI.No.	Student Name	Stream/ Year	Project work	Monthly stipend (in Rs.)	Duration in (months)
1.	K.Manoranjan	B.E.ICE/ Final	Android App Development	10,000/-	5
2.	Harsh Purohit	MCA/ Final	Suite of Android App	10,000/-	5
3.	Ruchita Nagar	MCA/ Final	Suite of Android App	10,000/-	5
4.	Swapnil Gupta	MCA/ Final	Website development	10,000/-	5
5.	Rohit Bairagi	MCA Final	Automation using scripts/tools	10,000/-	5

5. Faculty expert mentoring and lab/infrastructure utilization by CEDI Startups:

Sl.No.	Faculty Expert/Mentor support	MoA for joint work	Lab/Infra support
1	Dr.S.Domnic Principal Project Investigator	Person Identification Management System using Face Recognition and Deep Learning Technology rendered through Cloud services	Siemens CoE, ICE Lab
2	Dr.R.Periyasamy Principal Project Investigator	Portable & Automated Digital Body Mass Index(BMI) Machine	Siemens CoE, CA Lab

6. Interaction with the NABARD:

A Meeting was held on 29th October 2019 between Shri.RAJARAMAN, AGM, NABARD and NITT faculty to discuss on the scope of associating in the area of Agriculture, Crop Monitoring, Irrigation and Technology in promoting agrientrepreneur.



Siemens Centre of Excellence in Manufacturing

The Siemens CoE in Manufacturing, established in 2018 at National Institute of Technology, Tiruchirappalli, operates with a primary focus of creating a robust technical education ecosystem through its experience in industrial products and services. There are 12 sophisticated Laboratories for Design and Validation, Advanced Manufacturing, Test and Optimization, Automation, Electrical and Energy savings, Process Instrumentation, Mechatronics, CNC Machines, CNC Controller, Robotics, Rapid Prototyping and Internet of Things which provides opportunity for promising innovations. This multi-faceted unique centre offers skill development courses, Internships, Research and Development assistance and Industrial consultancy services across various sectors. The objective of Siemens CoE is to build a self-sustainable, interactive, industry-relevant, and cyber-physical learning platform to bridge the Technical Skill Gap that exists between academia and industry today. With the Make in India initiative launched by the Government of India, many modern Industry 4.0 factories will come up and need a huge pool of engineers trained and made industry-ready in Advanced Manufacturing Technologies.

1. Training

Siemens CoE has offered 24 Skill development courses with duration of 08hrs-120hrs in respective labs of CoE and successfully conducted various Webinar, Workshop and events on emerging technologies. A total of 1300 students, faculty members and industrial delegates were benefited. Apart from this, Siemens CoE supported to conduct the lab experiments in offline and virtually, and more than 200 students were benefited from various departments of NIT Trichy.

2. e Learning

Siemens CoE extended our services to the society with **Self learning Interactive modules through pod.works** at nominal cost. Siemens Center of Excellence offers & successfully organized e-Learning courses in iloT, CNC programming and NX which are used for both self-study as well as for blended learning with robust consulting with industry experts, has helped Center of Excellence to develop these e-learning courses at par with international standards, not only in its technical aspects, but also in its user friendliness and interactive teaching format. Also, conducted more than 10 STTP online courses and online webinar on emerging technologies benefitting more than 500 participants.



The students of Dr.B.R. Ambedkar Institute of Technology, Port Blair, Andaman and Nicobar Islands doing internship at Siemens CoE, NIT Trichy during June 2019

3. Research and Development Activities

During the nationwide lockdown, Siemens CoE has been responding proactively to fight the Covid-19 pandemic research through self-funding. The centre had developed Face Shield and Reusable Masks, and distributed to various organizations like General Hospitals Trichy, Police Force and NITT for self-use. Siemens CoE to design GEM polishing Machine for half price of chinese make with technical support of CII (Confederation of Indian Industry) and Young Indian (Yi) Trichy Chapter. It had provided digital manufacturing solutions to develop HealthCare related Technology development to M/s. Trawello Health Care Pvt Ltd. (NITT Alumni Startup). In addition to this, Siemens CoE supports to faculty members and students for various research and development projects / activities.

4. Our Partners

Siemens CoE is also associated with many universities and technical organizations for providing skill training programs in CNC, Robotics, and Automation etc. Siemens CoE explores signing MoU with various associations related to industries for self-sustaining of the CoE. It had collaborated with 47 organizations and signed MoU's with 55 Organizations in total.

5. Consultancy Projects

The Siemens CoE provides skill excellence through Training, R&D, and Consultancy for a robust Industry relevant technical education ecosystem. Undergoing different consultancy projects with a financial outlay of Rs.1 Crores (approx.) from organizations such as BHEL Trichy, Delfoi Tanoti Bangalore, Ceeyes Engineering Pvt. Ltd., Simco Industries, DIQU Tech., GTRE DRDO and Regent group Kolkata.



School Students participation in a two day workshop on "Advanced Manufacturing" organized in association with Mister.Bot Education at the Siemens CoE, NITT on 7th - 8th February 2020



St. Joseph's College, Tiruchirappalli signed a MoU with the Siemens CoE in Manufacturing, NIT Tiruchirappalli on 28.02.2020

As a part of National Institute of Technology - Tiruchirappalli, one of the nodal centres selected by the Ministry of Human Resource Development (MHRD) Siemens CoE Supported 24/7 to the five-day Smart India Hackathon-Hardware Edition (SIH-2019) during 8th to 12th July, 2019. **Siemens CoE of Manufacturing has generated a revenue of Rs.18.30 Lakhs through consultancy/testing, internship/course and workshop.**



All India Workshop on “Opportunities for Industry 4.0 applications in Indian Industries” Organized by IEI (India) Tiruchirappalli Local Centre in association / collaboration with NITT during 3rd – 4th January, 2020

THE HINDU

Edition: Tiruchi,
Dated: 05th July, 2019

Siemens Centre at NIT-T seeks to scale up skill training

Partnerships with six more institutions are in the pipeline

SPECIAL CORRESPONDENT TIRUCHI

The Siemens Centre of Excellence in Manufacturing at National Institute of Technology Tiruchi (NIT-T) is in the process of partnering with technical institutions to offer skill development courses.

With 12 sophisticated laboratories for Design and Validation, Advanced Manufacturing, Test and Optimization, Automation, Electrical and Energy Savings, Process Instrumentation, Mechatronics, CNC Machines, CNC Controller, Robotics, Rapid Prototyping and Internet of Things, the Centre has, so far, partnered with three engineering colleges to provide students opportunities for making promising innovations.

Since last year, after its inauguration by the then Union Human Resource

Development Minister Prakash Javdekar, the CoE has imparted skill training to about 100 students.

Currently, the Centre has signed MoUs with three engineering colleges: National Engineering College, Kovilpatti; MAM College of Engineering and Technology, Tiruchi; and Mahendra Engineering College.

Partnerships with six more institutions are in the pipeline. M. Duraiselvam, Head, Siemens Centre, said. “We are looking forward to scaling up the number of beneficiaries of the skill training at the Centre,” he said.

As an interdisciplinary, industry-backed centre, the CoE is intended to bridge the gap between industry requirements and technical education, that would make technical institutes more aligned with industry needs and make engi-

neering graduate students industry ready, NIT-T Director Mini Shaji Thomas said.

The CoE also offers consultancy services to industries in automation, product development, process optimization and shop floor design and skill enhancement of existing employees on latest technology, she said.

After successful completion of course and assessment, students will be certified jointly by the Siemens CoE- NITT, Siemens Industry Software Pvt. Ltd., and Bengaluru-based AMAR Tech, which was established in 2014 under Make in India initiative, to provide a platform for youths to learn technology at low cost, and bridge their knowledge gap for quick employment in domestic and international industries.

THE NEW INDIAN EXPRESS

Trichy Edition Dated 21st September, 2019

6 colleges sign MoUs to access Siemens centre at NIT Tiruchy

EXRESS 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 Engineer-

ing, 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 stu-

dents 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.

INDIAN EXPRESS Sat, 21 September 2019 epaper.newindianexpress.com/c/43832418

Siemens CoE in Manufacturing in the News

STUDENTS' ACTIVITIES

FESTEMBER

Festember 2019, themed 'Cinema Paradiso' began on the 3rd of October, 2019 and ended on the 6th of October. 68 events, 11 workshops, and 7 informals were held during the fest. The workshops ensured that the participants had a fun, yet informative experience. The informals were enjoyed by people of all ages. Festember '19's fusion night was held at GJCH, from 8:00 p.m. to 11:00 p.m. on day 0. The event was sponsored by Realme, our Official Smartphone Partner. It was headlined by Karthik Iyer's IndoSoul and was met with resounding success.

Karthik Iyer's Indosoul is a band that is celebrated for being the pioneer in Indian Classical Fusion music. The band consists of musicians from diverse musical backgrounds - Vikram Vivekanand on the guitar, Reshwin Nishith on bass, Ramkumar Kanakarajan on drums, Sumesh Narayanan on the mridangam and percussion, and Karthick Iyer on violin and vocals. They performed a variety of songs, spanning multiple genres, much to the audience's delight.

The events were in different clusters from Tamil, Telugu, English and Hindi Lits; Dance; Music; Dramatics and Photography and tested each participants' abilities.

The sponsors for the guest lectures were JioSaavn, City Union Bank, Republic TV, Coca Cola, NesPlus, Orphic Life, Fujifilm, MTV Beats, Chennai Live 104.8 FM, Cartoon Network, Carnival Cinemas and Fever FM 91.9. The first guest lecture was by eminent journalist and a consulting editor of The Times of India, Mrs. Sagarika Ghose. It began at 2:30 pm and ended at 3:30 pm. Around 200 people attended her lecture. She spoke about important issues like gender inequality at the workplace, the importance of media during elections and how the commercialisation of media has curbed their freedom to report truthfully.

The guest lecture by Hollywood concept artist Nathan Schroeder was held at Barn Hall on Day 1 from 5:30 pm. The lecture covered the story behind him getting into this niche line of work where an idea for the setting is brought to life through art. It also covered his process of converting his ideals into tangible design, which was very well received from the crowd, winning their interest and fascination. His key message was that the artist lies within all of us, we just shouldn't let it be latent. The lecture concluded with the institute memento being given to Mr. Schroeder by the director, Dr. Mini Shaji Thomas, and the Festember memento being given to him by the Dean (Students Welfare). The workshops ensured that the participants had a fun, yet informative experience. The informals were enjoyed by people of all ages.

The second ProShow of Festember '19, Rock Nite happened on Day 1 of the fest at 9 pm. The Alternative Hard Rock band WACX was the first to perform. They are a 5 piece band from Chennai who draw their influences from the different eras of music, bringing a dynamic wall of sound and a live energetic act wherever they go. Masala Coffee, an indie band performed next. Their act was electrifying and had the audience on their feet and having an amazing time. The sponsors for this event are Realme, JioSaavn, City Union Bank, RepublicTV, FastTrack and MTV Beats.

Mrs. Rathika Ramasamy, an acclaimed wildlife photographer, delivered her guest lecture under the guest lecture series Vox Populi. The guest lecture took place on Day 2 of Festember, in the Senate room at 10 am. The event was powered by Jio Saavn, in association with Realme, our Official Smartphone Partner. Further, it was brought to us by City Union Bank and broadcasted by Republic TV-India's No.1 English News Channel.

She spoke about her upbringing, her childhood in southern Tamil Nadu. She then proceeded to talk about her education, how she chose a computer engineering degree and further went on to do a management degree before deciding her calling lay elsewhere. She then showcased a slideshow of an assorted array of her photos, while simultaneously talked about her photography career in detail. She then finished the session with a question and answer session.

The 4th guest lecture of the Carpe Diem guest lecture series took place in EEE Audi on 05.10.19. Famed actor and TV personality Anu Hasan delivered an engaging discourse on entertainment. People turned up in huge numbers to listen to her compelling narrative. She also took questions in a brief Q/A session. She was presented with an institute memento, Festember memento, and a gift pack from the GL's official snack partner, Nabati.

The EDM Nite happened in GJCH on Day 2 of Festember '19. The event was sponsored by Realme, JioSaavn, City Union Bank, RepublicTV, FastTrack and MTV Beats. The event started at 10.00 pm and went on till midnight. Delhi-based EDM duo Progressive Brothers came up to huge cheers from the audience and had the jam-packed venue raving like there was no tomorrow.

The finals of various events from different clusters of Tamil, Telugu, English and Hindi Lits; Dance; Music; Dramatics and Photography were held, with each event testing the abilities of the participants. With the semi-finalists making use of their knowledge, presence of mind and talent to win the coveted Festember prize, the judges had a challenging time to choose the best of the very best.

The sponsors for the guest lectures were City Union Bank, Republic TV, IndiaGlitz, Pillsbury, MTV Beats, Chennai Live 104.8 FM, Kappa TV, and Bombay Shaving Company. The final ProShow of Festember '19, known as JioSaavn SoundBound happened on Day 3 of the fest. The star of the night, Benny Dayal provided the audience with a spectacular performance, making it one of the most memorable nights of Festember'19.



Festember' 19

CLUBS AND SOCIETY

Sl. No.	Clubs	Activities
1.	AAYAAM	Hindi Literature Club
2.	AIESEC	International Youth Leadership Organization
3.	AKSHARA	Telugu Literature Club
4.	AMRUTHAVARSHINI	Classical music club
5.	APEKSHAA	Non-profit organization to perform social work
6.	ATHENÆUM	Model United Nation
7.	BALLS BY PICASSO	English Literary Club
8.	BUILDERS' HIVE	Providing Construction Solutions
9.	DANCE TROUPE	Dance Team of NITT
10.	DATA BYTE	Data Science and Business Analytics club
11.	DELTA FORCE	Central Technical Team
12.	DESIGNERS' CONSORTIUM	Product Designing Club
13.	DHRUVA CLUB	Spirituality and Life Style Club
14.	E-CELL	Entrepreneurship and Innovation Club
15.	FILM SOCIETY	Film making Club
16.	FINE ARTS SOCIETY	Arts and Ambience Club
17.	IGNITTE	Teaching Group for under privileged
18.	INCREDIBLE NITT	Nature Club
19.	LEAP	Environmental Awareness and Protection Club
20.	MARINE TECHNOLOGY SOCIETY	Marine Technology Enthusiasts
21.	MAXIMUS	Mathematics interest and teaching group
22.	MUSIC TROUPE	Music Team of NITT
23.	NAKSHATRA CLUB	Astronomy and Space Science club
24.	OMEGA SCIENCE AND SPIRITUALITY CLUB	Science and Spirituality
25.	PIXELBUG	Photography Club
26.	PSI RACING	Motorsports Team of NITT
27.	PHYXION	Physics Interest and Teaching Group
28.	PUPIL FOR PUPIL COMMITTEE (PPC)	Post Graduate Social Service Club
29.	ROBOTICS AND MACHINE INTELLIGENCE CLUB (RMI)	Robotics enthusiasts; research in allied fields
30.	ROTARACT CLUB	College Chapter of Rotary International
31.	RSFNITT	Research Scholars' Forum
32.	SPIDER	R&D Club of NITT
33.	TAMIL MANDRAM	Tamil Literature Society
34.	THE THESPIANS' SOCIETY	English Dramatics Club
35.	THE THIRD DIMENSION	Aeromodelling Club
36.	TOASTMASTERS NITT	College Chapter of Toastmaster International

STUDENTS' ACHIEVEMENTS

Name of the Student	Prize Won
Kishore V	Singapore - India Hackathon 2019: SI Hackathon, a 36-hour international competition jointly conducted by MHRD Innovation Cell (MIC), along with the All India Council for Technical Education (AICTE) and Nanyang Technological University, Singapore (NTU Singapore), was held from 28 th to 30 th September 2019. One team from NIT Trichy won a cash prize of \$2,000 (SGD) and acquired the sixth position overall and first position in their respective problem statement.
Kamalesh Palanisamy	
Kirubaraj Manimathavan	
Nithin Balaaji DV	HSBC India Business Case Competition: The team Reverse Engineers comprising four UG students have qualified to the National Finals and have made it to the top 4 teams in India!
Adithyaa S	
Shravan R	
Swesha Venkateshwaran	
K M Dhivakar	Designers' Consortium: First place in Industrial Design Problem at VIT Vellore on 12 th Oct 2019
K Vedhanarayan	
Sudarsana Jayandan	
S M Deepsikha	Designers' Consortium: Second place in Industrial Design Problem at VIT Vellore on. 12 th Oct 2019
Navneeth Rajiv	
Kevin Mathew Thomas	
Adithya K	Designers' Consortium: Third place in Earth Matters at IIT Bombay on 3 rd Jan 2020
Kevin Mathew Thomas	
Mayank Kapur	
S Smrithi	
K Vedhanarayan	
Karthi S	
Niranjan Kumar	
Premkumar S	Designers' Consortium: First place in Innovateering at IIT Bombay on 3 rd Jan 2020
Niranjan Kumar	
Vaibhav Malani	
Girithar	
Saimothish	
Vishnu M H	
Puthiyavan L N	Designers' Consortium: First place in Caterpillar IDP 2.0 at IIT Madras on 5 th Jan 2020
S Smrithi	
Sudarsana Jayandan	
Rohit Surya	
Harikrishna K	Designers' Consortium: Second place in Caterpillar IDP 2.0 at IIT Madras on 5 th Jan 2020
Atharva Kulkarni	
Jayendran R	
Navneeth Rajiv	
Vaibhav Malani	

Burhanuddin Shirose	Designers' Consortium: First place in Bajaj Robotics Challenge at IIT Madras on 4 th Jan 2020
L S Meenatchi	
K Vedhanarayan	
Kunal Yadav	
Adithya K	Designers' Consortium: Second place in Bajaj Robotics Challenge at IIT Madras on 4 th Jan 2020
Dhivakar K M	
Mayank Kapur	
Seetharam	
Burhanuddin Shirose	Designers' Consortium: 2nd place in Democracy Start-up on 15 th Feb 2020
Mayank Kapur	
Dhivakar K M	
Puthiyavan L N	
S Smrithi	
Premkumar S	
Yash Prakash	Third Place in Finatholon conducted by IIM Bangalore on January 2020
Nischal Mathur	
Aman Singh	SIGMA - Campus Development Project: To rearrange the planogram and layout of the 2K departmental store in order to improve customer experience and improve turnover
Akanksha Thakur	
Bhala Harish	
Kushagra Kandapal	
Vishaka Shah	The Third Dimension: Finalists at Boeing National Aeromodelling Competition (5-6 Jan, 2020), Shastra IIT Madras. Received cash prize of Rs. 5000 for qualifying in top-30
Abhishek Shanklesha	
Sai Charan Golusu	
Ishanee Khadakkar	
S. R. Harshini	The Third Dimension: Finished in top 10 teams at e-Yantra Competition at IIT Bombay. Each member got an internship through e-Yantra at IITB among various domains.
Gosu Arun Kumar	
Darshan Savaliya	
Praveen Dwivedi	
Praveen Yadav	The Third Dimension: 2 nd Place in Design Report at SAE-VIT Aerodominator (12 th October 2019), GraVITas 19, VIT Vellore
Somnath Swain	
Tamoghno Saha	
R Surya Narayan	
Rajesh Satuluri	
Amal Johnson	Spider R&D: ACM ICPC 1. Online Round 2019 - Secured 51 st Rank - 18/10/2019 2. Pune-Gwalior Regionals - Secured 30 th Rank - 14/12/19 & 15/12/19 3. Amrita Regionals - Secured 107 th Rank - 26/12/19 & 27/12/19
Rajat Bhatta	
Srikanth R	Spider R&D: Tezos India fellowship Date: 16 th July
Madhav Aggarwal	
Aditya Kumar Singh	Spider R&D: Shastra IIT Madras 1. Eleckart - Winner - 4 th Jan 2020
Ruphan S	

Raj Kumar Bhagat	2. Shaastra Circuit Design Challenge (SCDC) - Winner - 6 th Jan 2020
Anjaneya	Spider R&D: Pragyan Hackathon - 2 nd place Date: 22 nd Dec 2019
Harshit	
Thrishik	
Anjaneya	Spider R&D: Jaipur Hackathon CodeIn Build - 5 th place Date: 25 th Jan 2020
Isha	
Khushali	
Thrishik	Spider R&D: Inout - Participation Date: 20 th Jan 2019
Kishore	
Praveen	
Vishal	Spider R&D: TransfiNITte - Special Mention Date: 20 th Jan 2019
Rishav	
Shivani	
Praveen	
Kishore	
Anish	
Anjaneya	Spider R&D: Daksh, AR in Smart Manufacturing - 1st Prize Date: Feb 2020
Soma Karthik	
DC Vivek	
Abhishek R	Spider R&D: Daksh, AR in Smart Manufacturing - 2 nd Prize Date: Feb 2020
Sundar P	
Vibhashan	180DC NITT: 1 st Position in Sparsh 2020 (Social Impact Case Competition) conducted by IIM Bangalore
Shyam	
Achyut Ramkumar	
Kargil Mishra	180DC NITT: Top 4 amongst 200+ teams in the HSBC India Case Competition 2020
Vijay Kiran Vinod	
Adithyaa Sriram	
Shravan Rathish	
Swesha V	180DC NITT: 1 st place in EY Case Championship 2020
Nithin Balaaji	
Tejas Shajapurkar	
Tejas Shajapurkar	180DC NITT: Top 10 in India for PM live case competition conducted by Redbricks summit, IIMA
Swesha V	
Anirudh Sriram	
Srinivasa Kannappan	
Nithin Balaaji	180DC NITT: National Finalists in the Solve! Global Challenge 2020 conducted by Case solvers
Adithyaa Sriram	
Adithyaa Sriram	180DC NITT: National finalist in Case Chronicle 2020 (Business Case Study Competition)
180DC NITT Full Team	Successfully completed 5 student consulting projects with clients in India and around the world 1) 2 Customer Segmentation & GTM Project 2) 3 marketing Projects
V K Viakash	RMI: 1 st place in Snippets hunt coding, 21 st Feb 2020 conducted at PSG

Hemangani N	RMI: 1 st place in Colloquium(paper presentation), Currents '20 - 15 th Feb 2020
Kailash Jagadeesh	
Shrikumaran P B	
Nilendu Ganguli	RMI: 3 rd place in e-Yantra conducted at IIT Bombay
Gaurav Nagotanekar	
Shubham Aggarwal	
V K Viekash	RMI: 3 rd place in APC-Arduino Programming Challenge, Shaastra 2020, IIT Madras. 3 rd place in Eleckart, Shaastra 2020, IIT Madras.
Hemangani N	
Kailash Jagadeesh	
Harshith Vignesh	RMI: 2 nd place in APC-Arduino Programming Challenge at Shaastra 2020, IIT Madras. 2 nd place in SCDC- Shaastra Circuit Design Challenge, Shaastra 2020, IIT Madras.
R Mukesh Kanna	
Akesh M	RMI: 1 st place in TransfiNITTe v2 Date: 20 th Jan 2020
Akshat Khandelwal	
Kailash Jagadeesh	
Hemangani N	
Sathya Prakash	
Huzaifa M.U Archit T Sridarshan K.S Aebel Paul Vivek Suman Vijayaragavan S.M V.V.S Raghuvier Prithvi Reddy S.V Nachiket Raut D. Sasi Preetham Tej Singh Ganesh A Sricharan P.K Sabyasachi Dash Sivaraman I.S Ayush Raj V.V Ravindra Reddy Challa Yachendra Tanishk V Hirthick Kumaran N Madhav Menon M. Siva Charan Reddy	PSI RACING TEAM BAJA SAE India Competition: An event for the undergraduate engineering students, organized globally by the Society of Automotive Engineers, USA. PSI Racing, the motorsports team of NITT, secured 5 th position in the overall category out of 400 teams participating from all over India. Other Static and Dynamic events' results are as follows: Cost Event: 13 th position Design Event: 6 th position Suspension and Traction: 5 th position Rock Crawl: 5 th position Acceleration: 10 th position Maneuverability: 7 th position Overall: 5 th position Enduro Student India Competition: An off-road student design competition held in Pune. PSI Racing secured 3 rd position in the overall category and the other ranks are as follows: Cost Event: 4 th position Design Event: 4 th position Acceleration: 1 st position Maneuverability: 1 st position DirtX: 2 nd position Sprint: 3 rd position

Pratyush Kumar D R Karthik Raj	Endurance: 5 th position Overall: 3 rd position
Vidyaa Krishnan	Amruthavarshini : All India Radio Podhigai Singing Idol Contest semi finalist, Vidyaa Krishnan
Gokul Krishna	Athenaeum: YLGC MUN - (Coimbatore - Competition - Jan 2020) Christ DOC MUN - (Bangalore - Competition - July 2019)
Music Troupe, NIT Trichy	Dhruva IIM Trichy: 1 st Place at the Annual Buisness Cultural Fest. Ragam, NIT Calicut: 3 rd place in Western Band Competition Christ, Banglore : 3 rd in Eastern band competition Dhruva IIM Trichy: 1 st in solo vocals.
The Thespians' Society	Saarang, IIT Madras: 1. 2 nd place at stage play 2. 1 st place in Script writing Competition. Unmaad, IIM Bangalore: 1. stage play-1 st place 2. best actor 3. best script 4. improv - 1 st and 2 nd place SSN college of engineering: 1. 1 st place-improv 2. 1 st place-script writing competition RV College of engineering 1. Best play 2. best director 3. best actor
Dance Troupe, NIT Trichy	Ragam, NIT Calicut – 3 rd place Pravega, IISC Bangalore – 1 st place

NATIONAL CADET CORPS (NCC)

A-Flight NCC organized 35 official parades in the year 2019-2020. The cadets assembled in the NSO ground thrice a week in uniforms. The third-year cadets trained the second-year cadets in the rifle drill and the first-year cadets were trained by the second-year cadets with the guidance of the third-year cadets in foot drill. The parade sessions were taken by the second year and third year cadets as they wholeheartedly taught the commands by explaining the specifications of each command and giving a demonstration to the junior cadets to ensure they had understood the command completely. The parades ended with the senior cadets giving motivational talks to the junior cadets. Cadets were provided refreshments after the parades so that their body can cope up with the physical stress. Apart from the rigorous parades, theory classes were also conducted for the cadets, where the cadets were taught about NCC and the IAF and about moral values which made them responsible citizens.

The NCC cadets have participated / organized the following events in 2019 – 20:

CATC-I Camp	02/07/2019 - 11/07/2019
Rally against Child Abuse	03/08/2019
Independence Day	15/08/2019
Swachhata Pakhwada – Cleanliness Drive	02/10/2019 - 03/10/2019
Orphanage Visit	13/10/2019
Breast Cancer Awareness Programme	01/11/2019
Thermogram Screening Session	02/11/2019 - 03/11/2019
Republic Day	26/01/2020
Movie Screening	07/14/2020
Wear It or Share It – Cloth Donation Drive	24/02/2020 - 26/02/2020
My Vision My Lakshya – Free Eye Checkup Camp	29/02/2020 - 01/03/2020



CATC-I Camp 2019



Republic Day 2020

NATIONAL SERVICE SCHEME (NSS)

National Service Scheme (NSS) is a permanent youth programme under the Ministry of Youth Affairs and Sports, Government of India. The motto of NSS is "Not me but you". NSS volunteers have helped in the Plantation project in college where over 6400 saplings have been planted. Apart from that, camps are periodically held in nearby villages where attempts are made to improve conditions for the villagers. Blood donation camps, computer coaching for school children, visiting Old Age Homes, cleaning up temples and various such activities fill the calendar of an NSS volunteer.

EYE CHECKUP CAMP

Joseph Eye Hospital and Opticals, in cooperation with NSS NIT Trichy and our NITT Hospital team conducted an eye checkup camp, to facilitate diagnosis of eye problems and provide patients with necessary remedies. Ophthalmologists from Joseph Eye Hospital conducted a comprehensive eye checkup and also delivered awareness talk on eye donation.



EYE CHECKUP CAMP on 21st September 2019

INDIA BOOK OF RECORDS

NSS, NIT-TRICHY along with LEAP held a massive One-day Plastic awareness program to students of various schools. The event covered over 250 schools reaching out to around 28000+ students in and around Trichy District. NSS volunteers presented a speech to make awareness to the students on hazards of plastic usage and the possible damage done to the environment due to plastic waste. The event being the first massive awareness program in India made its way into the prestigious **Indian Book of Records 2020 edition**. The success meet for the event was held on February 18th 2020 to award the speakers and volunteers. It was presided over by Shri Sibi Adhithya Senthil Kumar IAS, Sub-Collector, Srirangam.



Plastic awareness program on 15th October 2019

SPECIAL CAMP

As a part of the MHRD's Unnat Bharat Abhiyan, Team NSS-NITT adopted five villages surrounding the campus. The objective was to build sustainable localities by conducting NSS activities. Following the adoption process, a seven-day camp was conducted. The volunteers conducted competitions like drawing, singing, and running races to motivate the children in the villages. Also, motivational speeches and awareness talks on competitive examinations such as NEET and IITJEE were delivered. This way, the children are motivated and are taught about the different career possibilities they have. Ultrafiltration water purifiers were fixed in a school to provide drinking water for students.



Village Camp by NSS during October 15 – 21, 2019

SURVEY IN ADOPTED VILLAGES

The National Service Scheme (NSS) of NITT conducted a survey in the five villages adopted under the Unnat Bharat Abhiyan (UBA) scheme of Ministry of Human Resource Development. The aim of the survey was to analyse the conditions of sanitation in those villages and to put forth solutions to improve the sanitation facilities and to build more sustainable villages.



Village Survey by NSS under Unnat Bharat Abhiyan (UBA) scheme of MHRD on November 1, 2019

BLOOD DONATION CAMP

As a part of continuous social service activities of National Institute of Technology, Tiruchirappalli (NITT), a blood donation camp was organized on 8th November, 2019 at the NITT Hospital, to support the blood bank of Mahatma Gandhi Memorial Government Hospital, Tiruchirappalli aimed at lending a helping hand to the poor especially the dengue positive patients for whom platelet transfusion may be warranted. The camp was jointly organized by Department of Management Studies (DoMS), National Service Scheme (NSS), NITT hospital and HumaNITTy Club of the institute and marked a huge success with more than 90 donors included students, faculty, non-teaching staff and residents of NITT.



Blood donation camp on 8th November, 2019

CYCLOTHON

On account of Fit India Movement, around 300 volunteers went on for a cyclothon through the campus promoting the importance of fitness for a healthy life. The cyclothon also helped the students to know about the importance of cycling and health benefits of regular cycling which include increased cardiovascular fitness, muscle strength and flexibility.



Fit India Movement : CYCLOTHON on January 18, 2019

SPORTS ACHIEVEMENTS

Sl.No.	Sport	Captain Name	Event	Award
1.	Athletics Men	Mr. Prashant Kumar & Mr. Reon	Inter-NIT Rourkela '20 MIT – Revels'20	Gold Silver
2.	Athletics Women	Mr. Prashant Kumar & Mr. Reon	MIT – Revels'20	Bronze
3.	Basketball Men	Mr. Prasanna Sriram	Inter-NIT Surathkal'20 Sastra – Colosseum'20 MIT – Revels'20	Silver Gold Silver
4.	Basketball Women	Ms. Sunanda Seshan	Sastra – Colosseum'20	Bronze
5.	Badminton Men	Mr. Pavan Kalyan Challa	Inter-NIT Surat'20	Bronze
6.	Badminton Women	Ms. Pallavi Venumadhavan	Inter-NIT Surat'20	Gold
7.	Boxing	Mr. Anjan Kumar	IIT BHU Spardha'19	Silver
8.	Chess Women	Ms. Akshaya K S	Sastra – Colosseum'20	Bronze
9.	Cricket	Mr. Mit Surati	Inter-NIT Surat'20 5 wins out of 7 Games played in Trichy league division 3 (TDCA)	Bronze
10.	Football Men	Mr. Nusri	Sastra – Colosseum'20	Bronze
11.	Football Women	Ms. J. M. R. S. Jayakodi & Ms. Mrudhula K.	MIT – Revels'20	Silver
12.	Kabaddi	Mr. Naveen Allam	IIT BHU Spardha'19	Bronze
13.	Kho-Kho Men	Mr. Karthick Sakthivel	IIT BHU Spardha'19	Gold
14.	Kho-Kho Women	Ms. Ankita Gupta	IIT BHU Spardha'19	Gold
15.	Lawn Tennis	Mr. Palani Raam	Sastra – Colosseum'20	Bronze
16.	Powerlifting	Mr. Mervin Moses	IIT BHU Spardha'19 MIT – Revels'20	Silver Gold
17.	Swimming Men	Mr. Darshan Kanagaraj	Inter-NIT Surathkal'20	Gold
18	Swimming Women	Ms. C.H. Esha	Inter-NIT Surathkal'20	Gold
19.	Table Tennis Women	Ms. Chaarumathie	IIT BHU Spardha'19 Sastra Colosseum'20	Bronze Bronze
20..	Taekwondo	Mr. Anjan Kumar	IIT BHU Spardha'19	Silver
21.	Volleyball Men	Mr. Yadhu Balakrishna L	Inter-NIT – Warangal'20	Silver
22.	Volleyball Women	Ms. Preksha	PITS Sportiva'19 IIT BHU Spardha'19 Inter-NIT Rourkela '20 Sastra Colosseum'20	Bronze Gold Gold Silver

SPORTSFETE

Sportsfete'19, the annual interdepartmental sports festival of NIT-Trichy, indigenous to its students, was conducted successfully from 27th September to 30th September 2019.

For the first time in the history of Sportsfete, pre-fest games were organised for the general audience. Games in carrom, chess, badminton, and table tennis brought in a lot of excitement even before the start of this year's edition of Sportfete.

On 23rd September 2019, the flagship marathon was conducted in the presence of former Indian Athlete Padmini Thomas, Asian Games medallist and a recipient of Arjuna Award. She also took part in the marathon along with our director, Dr. Mini Shaji Thomas, which was a massive boost to the event. The marathon saw the participation of over 2000 students across all departments.

The main fest's inauguration was graced by our Director and the Dean, Student Welfare on the evening 27th September 2019. It was followed by the march past performed by students from all the departments. There were 18 sporting events conducted successfully in the spirit of fair sportsmanship for both boys and girls. The inclusion of hockey and kabaddi for girls in this edition of Sportsfete was a great success. There was significant participation shown by girls. All the participants showed tough character, put their hearts and souls into each game for their department and carried the competitive spirit throughout the four days. Many matches went down to the wire that pulled in large crowds. The cheering from the audience brought in a lot of energy and emotions to the game.

Amid all the exciting sporting events, mouth-watering refreshments from the food stalls, an informal stage for the audience to showcase their talents, and the delightful ambience brought up a sense of liveliness to the atmosphere. In the evenings, the informal events, music and dance performances spiced up the evening a little more and made our experience even more worthwhile.

The valediction ceremony was held on the last day where the Production Engineering department walked away with the overall winners' trophy. All in all, Sportsfete'19 was successful in setting high standards for further editions to come.



SPORTS COUNCIL MEMBERS (2019-20)

Mervin

Chairman

Kathick

Secretary

Prasanth

Associate Secretary

Nusri

Overall Coordinator

Darshan

Treasurer



Overall Winners- Athletics



Overall Winners- Badminton



Volleyball Winners girls



Volleyball Winners boys

National Institutional Ranking Framework

Ministry of Human Resource Development

Government of India

Submitted Institute Data for NIRF'2020'

Institute Name: National Institute of Technology Tiruchirappalli [IR-E-U-0467]

Sanctioned (Approved) Intake

Academic Year	2018-19	2017-18	2016-17	2015-16	2014-15	2013-14
UG [4 Years Program(s)]	884	884	884	884	-	-
PG [2 Year Program(s)]	582	582	-	-	-	-

Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG [4 Years Program(s)]	2719	662	3381	1424	1843	114	278	1612	257	1037	42	554
PG [2 Year Program(s)]	830	166	996	112	878	6	0	614	2	612	0	0

Placement & Higher Studies

UG [4 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students admitted through Lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2013-14	865	826	2014-15	0	2016-17	815	555	653000(RUPEES SIX LAKH AND FIFTY THREE THOUSAND ONLY)	125
2014-15	884	862	2015-16	0	2017-18	836	583	750000(RUPEES SEVEN LAKH AND FIFTY THOUSAND)	165
2015-16	884	839	2016-17	0	2018-19	803	577	900000(RUPEES NINE LAKH ONLY)	168

PG [2 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2015-16	524	474	2016-17	433	317	575000(RUPEES FIVE LAKH SEVENTY FIVE THOUSAND ONLY)	9

2016-17	554	443	2017-18	418	372	600000(RUPEES RUPEES SIX LAKH ONLY)	20
2017-18	582	488	2018-19	459	382	625000(RUPEES SIX LAKH TWENTY FIVE THOUSANDS ONLY)	33

Ph.D Student Details

Ph.D (Student pursuing doctoral program till 2018-19)				
			Total Students	
Full Time			610	
Part Time			480	
No. of Ph.D students graduated (including Integrated Ph.D)				
		2018-19	2017-18	2016-17
Full Time	74	63	67	
Part Time	24	18	15	

Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years

Financial Year	2018-19	2017-18	2016-17
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Library	31227844 (RUPEES THREE CRORES TWELVE LAKHS TWENTY SEVEN THOUSAND EIGHT HUNDRED AND FORTY FOUR ONLY)	10621455 (RUPEES ONE CRORE SIX LAKHS TWENTY ONE THOUSAND FOUR HUNDRED AND FIFTY FIVE ONLY)	23089739 (RUPEES TWO CRORE THIRTY LAKHS EIGHTY NINE THOUSAND SEVEN HUNDRED AND THIRTY NINE ONLY)
New Equipment for Laboratories	240189886 (RUPEES TWENTY FOUR CRORES ONE LAKH EIGHTY NINE THOUSAND EIGHT HUNDRED AND EIGHTY SIX ONLY)	1030523657 (RUPEES ONE HUNDRED AND THREE CRORE FIVE LAKH TWENTY THREE THOUSAND SIX HUNDRED AND FIFTY SEVEN ONLY)	70725877 (RUPEES SEVEN CRORE SEVEN LAKH TWENTY FIVE THOUSAND EIGHT HUNDRED AND SEVENTY SEVEN ONLY)
Engineering Workshops	2195000 (RUPEES TWENTY ONE LAKHS NINETY FIVE THOUSANDS ONLY)	0 (ZERO)	0 (ZERO)
Other expenditure on creation of Capital Assets (excluding expenditure on Land and Building)	369153323 (THIRTY SIX CRORE NINETY ONE LAKH FIFTY THREE THOUSAND THREE HUNDRED AND TWENTY THREE ONLY)	41204812 (RUPEES FOUR CRORE TWELVE LAKH FOUR THOUSAND EIGHT HUNDRED AND TWELVE ONLY)	159001199 (FIFTEEN CRORE NINETY LAKH ONE THOUSAND ONE HUNDRED AND NINETY NINE ONLY)

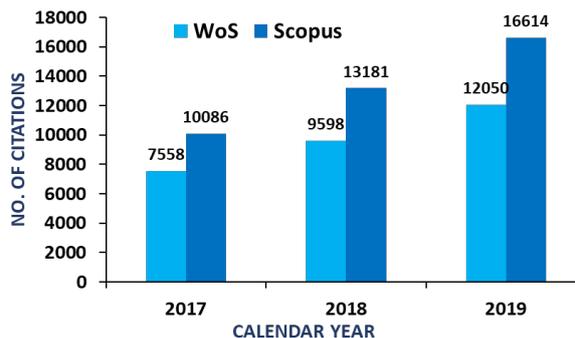
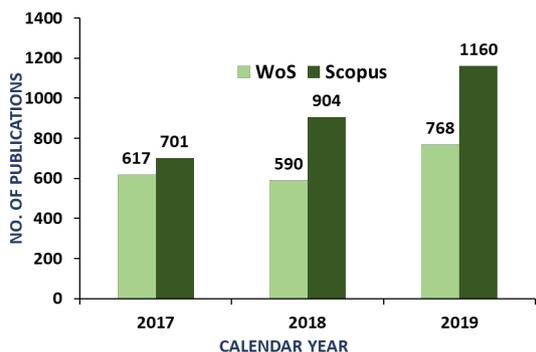
Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years

Financial Year	2018-19	2017-18	2016-17
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	1106884853 (RUPEES ONE HUNDRED AND TEN CRORES SIXTY EIGHT LAKHS EIGHTY FOUR THOUSAND EIGHT HUNDRED AND FIFTY THREE ONLY)	997612432 (RUPEES NINETY NINE CRORE SEVENTY SIX LAKH TWELVE THOUSAND FOUR HUNDRED AND THIRTY TWO ONLY)	807719201 (RUPEES EIGHTY CRORE SEVENTY SEVEN LAKH NINETEEN THOUSAND TWO HUNDRED AND ONE ONLY)
Maintenance of Academic Infrastructure or consumables, other running expenditures etc.(excluding maintenance of hostels and allied services)	301428260 (RUPEES THIRTY CRORES FOURTEEN LAKHS TWENTY EIGHT THOUSANDS TWO HUNDRED AND SIXTY ONLY)	481521200 (RUPEES FORTY EIGHT CRORE FIFTEEN LAKH TWENTY ONE THOUSAND AND TWO HUNDRED ONLY)	453647624 (RUPEES FORTY FIVE CRORE THIRTY SIX LAKH FORTY SEVEN THOUSAND SIX HUNDRED AND TWENTY FOUR ONLY)

Seminars/Conferences/Workshops	331734093 (RUPEES THIRTY THREE CRORES SEVENTEEN LAKHS THIRTY FOUR THOUSANDS AND NINETY THREE ONLY)	1189997 (RUPEES ELEVEN LAKH EIGHTY NINE THOUSAND NINE HUNDRED AND NINETY SEVEN ONLY)	1001296 (RUPEES TEN LAKH ONE THOUSAND TWO HUNDRED AND NINETY SIX ONLY)
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PCS Facilities: Facilities of physically challenged students

1. Do your institution buildings have Lifts/Ramps?	Yes, more than 80% of the buildings
2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students?	Yes
3. Do your institution buildings have specially designed toilets for handicapped students?	Yes, more than 80% of the buildings



Increase in Publications and Citations

Publications per Faculty
One of the Best in India- 2019
 3.23 in WoS
 4.83 in Scopus

Patents	2016	2017	2018	2019
Filed	2	17	8	13
Published	0	0	10	16
Awarded	0	0	1	3

Publication Index and Increase in Patents



15th Convocation – 27th July 2019



**Prof. Subra Suresh, President-NTU Singapore
 Chief Guest**



Global Alumni Meet 2020



CSAB Coordinators Meet 2020



A Unique Initiative to Foster Teacher-Student Interaction - September 2019



**BE MORE HUMANE (April 2020)
NIT TRICHY BENEVOLENT FUND & ALUMNI HELP**

MEMBERS OF STUDENTS' COUNCIL

President	: Snehith Galla
Vice President	: Pragya Rai
General Secretary	: Sathishsharma
Additional General Secretary	: Diksha Pandey
Joint Secretary	: Raahul Kumar
Additional Joint Secretary	: Lalith Kothandaraman
Deputy Secretary	: Tariq Anwar
Secretary (PG)	: Sathish Chandra
Secretary (PG / Girls)	: Manika Moinga
Secretary (MS/Ph.D.)	: Vivek Gaurav
Social Secretary	: Harishwar
Technical Secretary	: Raahul Vignesh
Sports Secretary	: Karthick
Cultural Secretary	: Shesasayi

EDITORIAL TEAM

Dr. Mini Shaji Thomas, Director
Dr. Ramakalyan Ayyagari, Dean (Academic)
Dr. T. Sivasankar, Associate Dean (Academic)
Dr. R. Gandhimathi, Associate Professor, Civil Engineering
Dr. B. Janet, Assistant Professor, Computer Applications



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