

GOVERNMENT COLLEGE OF TECHNOLOGY



COIMBATORE- 13



(An Autonomous Institution Affiliated to Anna University)



2021-2022

ABOUT THE INSTITUTION

The Government College of Technology, Coimbatore formerly known as Arthur Hope College of Technology, was started in July 1945 to give high priority to Technical Education. The late Mr. G. D. Naidu, the well-known industrialist and Philanthropist of Coimbatore offered the premises with a donation of Rs.2,00,000 that facilitated the inception of the college in July 1945. The College was later shifted to the present permanent site of about 45 hectares on the Thadagam Road in June 1950. The College was then renamed as Government College of Technology, which got its affiliation to the University of Madras in 1951 with Civil and Electrical Engineering courses. At present, 9 UG courses, 11 PG courses, and 4 UG Part-Time courses are offered in the college and are affiliated with Anna University.

The college has got recognition from the Anna University for admitting research scholars to pursue their Doctoral work in the disciplines such as Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Applied Chemistry, Physics and Mathematics.

The College has completed 76 years of fruitful service and the National Board of Accreditation Committee has accorded accreditation for the branches of study namely Civil, Electrical and Electronics, Electronics and Communication, Structural and Environmental Engineering.

The college has received the BEST COLLEGE AWARD in the year 2010 from the State Government of Tamilnadu and GREEN CAMPUS OF THE YEAR - 2013 for the measures taken on environmental activities. In addition, the Institute received a certificate from the India Book of Records for the National symposium on Zero paper event.

The Institution has been accredited by NAAC - A grade with a score of 3.21 for a period of 5 years. GCT has been categorized as 'Band A' Institution in category of Institutes & Colleges (Govt. and Govt. aided). The Institution has consistently performed well in NIRF ranking for Engineering category. IQAC of the institution is continuously working towards the quality improvement through various activities.

PRINCIPAL MESSAGE

**Dr. P. Thamarai, M.E., Ph.D.,
Principal**

GCT has a rich tradition of pursuing excellence and has continuously reinvented itself in terms of the academic program and research infrastructure. In the past 75 years, the college has produced many stalwarts whose contribution at the national and international levels has been significant. The achievements of the illustrious Alumni is a testament to the quality of the institution and is amongst the best in the country.

Since the selection procedure for the students to get into GCT is rigorous and only through merit, our students are indeed a cherry picked group. With the tuition fees being amongst the lowest in the country and with around 90 percent of students receiving scholarship, GCT prides itself in promoting economic and social justice for the students and paves way for them to contribute towards nation building.



VISION

To emerge as a centre of excellence and eminence by imparting futuristic technical education in keeping with global standards, making our students technologically competent and ethically strong so that they can readily contribute to the rapid advancement of society and mankind.

MISSION

- **To achieve Academic excellence through innovative teaching and learning practices.**
- **To enhance employability and entrepreneurship.**
- **To improve the research competence to address Societal needs.**
- **To inculcate a culture that supports and reinforces ethical, professional behaviors for a harmonious and prosperous society.**



MILESTONES

GCT formerly known as Arthur Hope College of Technology was started at Peelamedu

Introduction of two UG Courses B.E. Civil Engineering and B.E. Electrical and Electronics Engineering

Renamed as Government College of Technology, and affiliated with the University of Madras

Main Building was inaugurated by Dr. S. Radhakrishnan, Vice President of India

Introduction of M.E. Structural Engineering and M.E. Engineering Design course

Introduction of Part-Time M.E. Power Systems Engineering., PTBE Degree courses in Civil, Mechanical, and EEE branches

Partial Autonomous status for the PG Structural Engineering and PG Engineering Design

Introduction of M.E. Public Health Engineering course later on renamed as M.E. Environmental Engineering

Introduction of B.E. Computer Technology & Informatics, changed as Computer Science and Engineering

Inauguration of EIE block

1945

1950

1951

1952

1959

1970

1971

1977

1978

1980

1981

1984

1986

1987

1998

2001

Shifted to the present campus at Thadagam Road

Introduction of B.E. Mechanical Engineering course

Introduction of B.E. Electronics and Communication Engineering Course

Introduction of B.E. Production Engineering course

Introduction of M.E. Applied Electronics, M.E. Production Engineering course, and PTBE in ECE

Introduction of B.E. Instrumentation & Control Engineering course and changed as Electronics and Instrumentation Engineering course

Introduction of M.E. Computer Science & Engineering (FT)

Full autonomous status to all UG and PG courses

Introduction of B.E. Information Technology

Introduction of B.Tech. Industrial Biotechnology course

Research center and in 2011, moved to Anna University Regional Centre Coimbatore.

Establishment of Zonal Office

2002

2003

TEQIP – Phase I sanctioned

Common Computing Centre was established

Fiber optic backbone network facility with 64 kbps provided to the entire campus

Establishment of Digital Library

2006

2007

Introduction of M.E. Geotechnical Engineering course

Inauguration of Dept. of Civil Engineering block

Inauguration of IBT block

2008

2010

Received best college award

Inauguration of Alumni building

2011

2012

TEQIP – Phase II sanctioned

National Knowledge Network was provided with 100 MBPS

Inauguration of Dr. J. J. Rudra Block
Establishment of Centre of Excellence for Environmental Studies

Establishment of Centre of Excellence for Alternate Energy Research

Accreditation of all 9 UG Programs

2015

2016

Entire Campus including hostels WiFi enabled

NKN link upgraded to 1Gbps

TEQIP - Phase III sanctioned

Grant of Autonomous Extension for 10 years since 2016

Accreditation of 3 P.G programs namely M.E. Structural Engineering, M.E. Engineering Design, M.E. Power System Engineering.

Sanction of new girls hostel with an accommodation of 150 students

2017

2018

New Post Graduate block for Thermal Engineering

The Institution has been accredited by NAAC with an A grade for 5 years

NIRF 2019 - Government College of Engineering ranked 90 in the engineering category

2019

2020

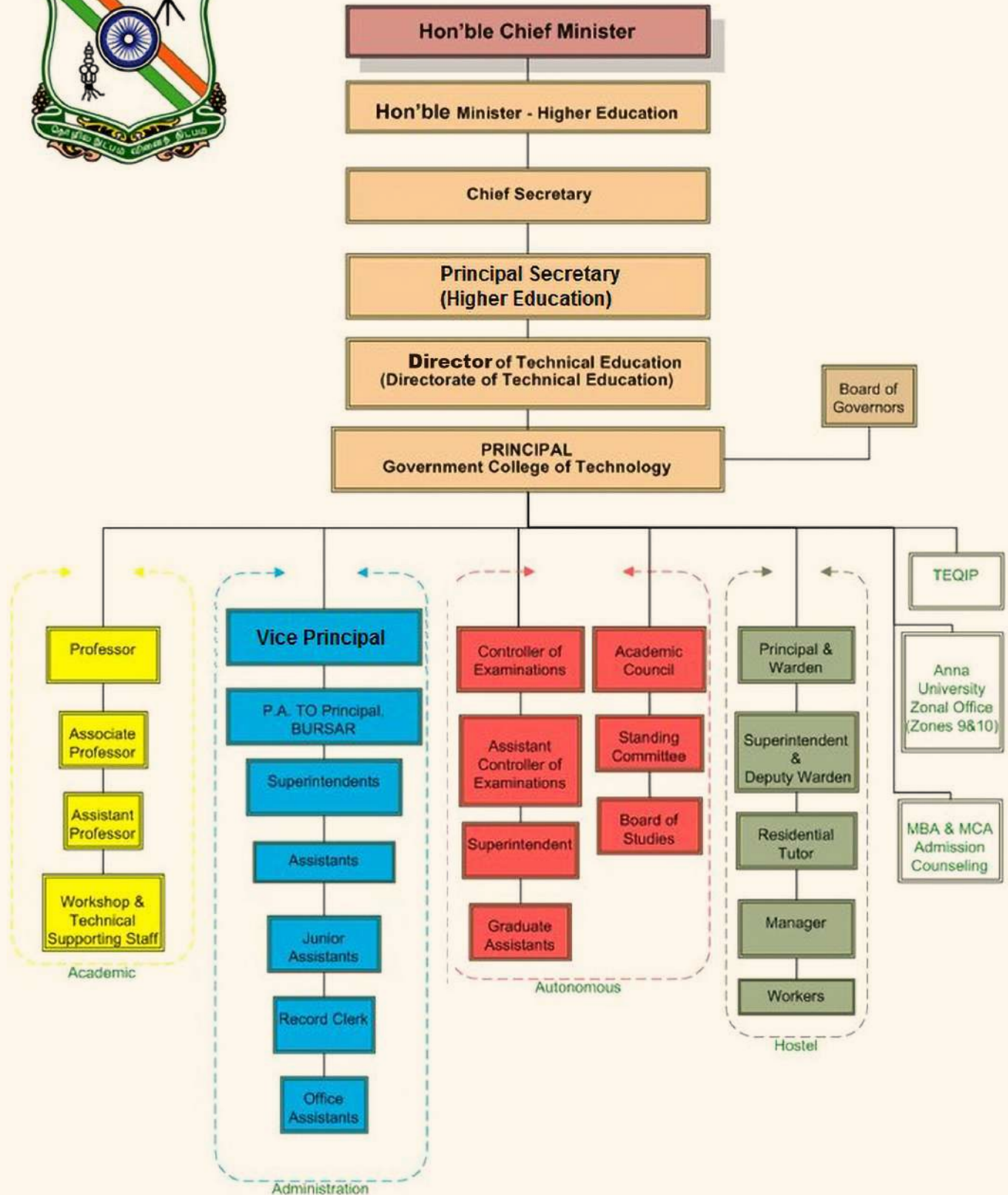
GCT Completed 75 years in the field of Engineering providing Quality Education for the students across India

ORGANIZATIONAL STRUCTURE



GOVERNMENT COLLEGE OF TECHNOLOGY – COIMBATORE

ORGANIZATION AND GOVERNANCE



BOARD OF GOVERNORS

Sl.No	BOG MEMBERS	POSITION
1	Dr.K.Muruganandan, Managing Director, iDesign Technologies Pvt Ltd., Coimbatore.	Chairman(Educationalist/Industrialist/ Professionalist- Nominated by State Government)
2	Dr.S.T Ramesh, Professor, National Institute of Technology, Tiruchirappalli.	Member(Educationalist/Industrialist/ Professionalist-Nominated State Government)
3	Thiru.B.Karthigaivasan, General Manager, District Industries Centre, Coimbatore.	Member(Educationalist/Industrialist- Nominated by State Government)
4	Additional Director of Technical Education, Directorate of Technical Education, Chennai.	Ex-Officio Additional Director (Exam) DOTE, Chennai (Educationalist) Nominated by State Government
5	Dr.P.Thamarai, Principal, Government College of Technology, Coimbatore.	Member/Secretary
6	Mr.G.Venkatesan, Directorate of Technical Education, Chennai.	Ex-Officio Financial Advisor & Chief Accounts Officer DOTE, Chennai (State Government Nominee-Nominated by State Government)
7	Dr. P.K.Palani, Professor of Mechanical Engineering, Government College of Technology, Coimbatore.	Member(Nominated by Principal)
8	Dr.M.Thamilselvan, Professor of Physics, Government College of Technology, Coimbatore.	Member(Nominated by Principal)
9	Prof. Ashesh Tiwari, Department of Mechanical Engineering, Institute of Engineering &Tech, Indore.	Member(Nominated by UGC)
10	Dr.G. Nagarajan Professor, Department of Mechanical Engineering, CEG Campus,Anna University, Chennai.	Member(Nominated by Anna University)

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)

Technical Education Quality Improvement Programme (TEQIP) of the Government of India is being implemented as a World Bank- assisted project to improve the quality of the technical education system in the country.

TEQIP - Phase I

The Government College of Technology, Coimbatore has been one of the institutions selected for TEQIP Phase I. The project activities started in the year 2003 and ended successfully in March 2008 with a funding of 14.6 Crores. The main objectives of Phase I are to promote academic excellence, network of institutions for quality enhancement and resource sharing, enhance quality and reach of services to community and economy, system management capacity improvement.

TEQIP - Phase II

Based on the performance in the first phase, this institute had been again selected for TEQIP Phase II and got a sanction of Rs. 17.5 Crores. The main objectives of Phase II are to scaling up Post Graduate education and demand-driven research and development innovation; establish Centre of Excellence for focused applicable research, train faculty for effective teaching and to enhance institution and system management effectiveness.

TEQIP - Phase III

Based on the performance in TEQIP Phase I and Phase II, this institute has been again selected for TEQIP Phase III with the sanction of an amount of Rs. 7 Crores. The main objectives of Phase III are to improve quality and equity in engineering institutions in focus states, system-level initiatives to strengthen sector governance and performance, twinning arrangements to build capacity and improve performance of institutions and ATUs participating in focus states.

CENTRE OF EXCELLENCE FOR ENVIRONMENTAL STUDIES

Environmental Engineering as a wing of Civil Engineering has established the “Centre of Excellence – Environmental Studies” (CoE – ES) under the sub-component 1.2.1 of TEQIP Phase II with the fund of Rs. 5 Crores sanctioned by the NPIU, Noida. An additional fund of Rs.1.5 Crores has been sanctioned under sub-component 1.3 of TEQIP Phase III. The CoE - ES has its long-term goals to develop a center that is conducive for R&D activities of the concerned field. The short-term goals are:

- To achieve innovative researches at P.G. and Ph.D. levels.
- To impart better education through Educational programs.
- To enhance both academic and sponsored kinds of research in the field of Environmental Engineering, Biotechnology and Nanotechnology.
- To synergize research with other departments such as Biotechnology, Chemistry, and Physics.

CENTRE OF EXCELLENCE FOR ALTERNATE ENERGY RESEARCH

The Department of Electrical and Electronics Engineering has established a “Centre of Excellence” for Alternative Energy Research with a grant of Rs. 5 Crores under TEQIP Phase II by NPIU, Noida. An additional fund of Rs.1.5 Crores has been sanctioned to the institute under sub-component 1.3 of TEQIP Phase III. Wind Power and Solar Energy are the thematic areas of research in this discipline. The Short-term goals:

- To offer National and International Centre for innovation in the rapidly growing areas of Renewable Energy Resources like Solar and Wind.
- To make it more viable in the curriculum through teaching, learning, and research that engages faculty, students as well as industries in a mutually - beneficial collaboration.
- To address the community by identifying and finding solutions to specific renewable energy projects, along with developing them.
- To conduct research and investigation in the areas of Solar Energy and Wind power.

TEQIP ACTIVITIES

Institutional Development Activities

- Revenue generation through the extension of lab facilities and consultancy services.
- Extension of infrastructure of Laboratories.
- Establishment of Centre of Excellence for Environmental Studies.
- Establishment of Centre of Excellence for Alternate Energy Research.
- Purchase and utilisation of sophisticated instruments for research and consultancy activities.
- Development of smart classroom facilities with video lecture capturing systems for better teaching learning practices.
- Environmental Management Plan for the institution.

Faculty Centric Activities

- Funding to organise and attend training programmes, conferences, FDPs and workshops.
- Ph. D. Tuition fee remuneration for regular faculty.
- Funding for research activities such as purchase of consumables, testing of samples.
- Twinning activities aiding for knowledge sharing among Mentee Institutions.
- Facility to attend special programmes like work life balance, stress management, productivity enhancement program, yoga and women's health to create a better working environment.
- Visit to various research laboratories and industries to enhance the knowledge in current trends.
- Sponsorship for research and patent publications.
- Women Empowerment Programmes.

Student Centric Activities

- Monthly stipend for full time research scholars.
- Monthly stipend for PG TANCET students.
- Gate coaching classes for UG Students.
- Employability Skill Training for UG Students.
- Career Guidance Training for students.
- Sponsorship for Industrial visits and Industrial projects.
- Occupational Health and Safety Training in college campus.
- Hands on training on various laboratory instruments.
- Youth empowerment programmes like Yoga for UG & PG students.
- Purchase of various software and hands on training.

TEQIP ACTIVITIES

One week Hands on Training on QGIS & ArcGIS 2021



Two days Workshop on Structural Condition Assessment of Existing Buildings 2019



Yoga for Women's Health 2021



Training- Numerical Relay Development Environment



Hands on training Vermicomposting



PROGRAMMES/ COURSES OFFERED

UNDERGRADUATE COURSES (FULL TIME)

- Civil Engineering
- Mechanical Engineering
- Electrical & Electronics Engineering
- Electronics and Communication Engineering
- Electronics and Instrumentation Engineering
- Computer Science & Engineering
- Information Technology
- Industrial Biotechnology
- Production Engineering

UNDERGRADUATE COURSES (PART TIME)

- Civil Engineering
- Mechanical Engineering
- Electrical & Electronics Engineering
- Electronics and Communication Engineering

POSTGRADUATE COURSES

- Structural Engineering
- Environmental Engineering
- Geotechnical Engineering
- Engineering Design
- Manufacturing Engineering
- Power Systems Engineering
- Thermal Engineering
- Power Electronics & Drives
- Applied Electronics
- VLSI Design
- Computer Science & Engineering

M.S (By Research) and Doctoral Programs

- Civil Engineering
- Mechanical Engineering
- Electrical & Electronics Engineering
- Electronics and Communication Engineering
- Computer Science & Engineering

SALIENT FEATURES OF CURRICULUM

Choice Based Credit System (CBCS) has been introduced in the new 2016 and 2018 regulations by incorporating Professional Core (PC) courses, Professional Elective (PE) courses, Open Elective (OE) courses, Employability Enhancement Courses (EEC), Value added (VA) courses, Mini project, Main projects, Inter-disciplinary, Intra-disciplinary and Skill-based courses. Industrial related elective is also offered based on their interest.

The total credits for UG courses are in the range of 160-165 and for PG courses is 66-74 credits. The guidelines of UGC for curriculum design of UG and all PG programmes are strictly followed. The performances of students are evaluated by both internal assessment of 50% and external assessment 50% at the end semester examination. Evaluation is done following relative grading system and credit system adopting 10-point scale.

A well-structured criterion is followed for the award of formative assessment viz. Continuous Internal Assessment, Field visits / Internships, Assignments, Marks in the model examinations, Attendance.

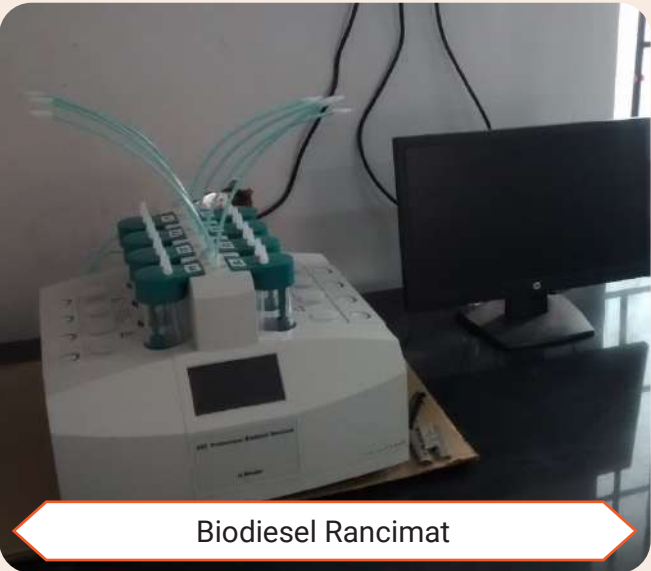
STATE OF ART EQUIPMENT



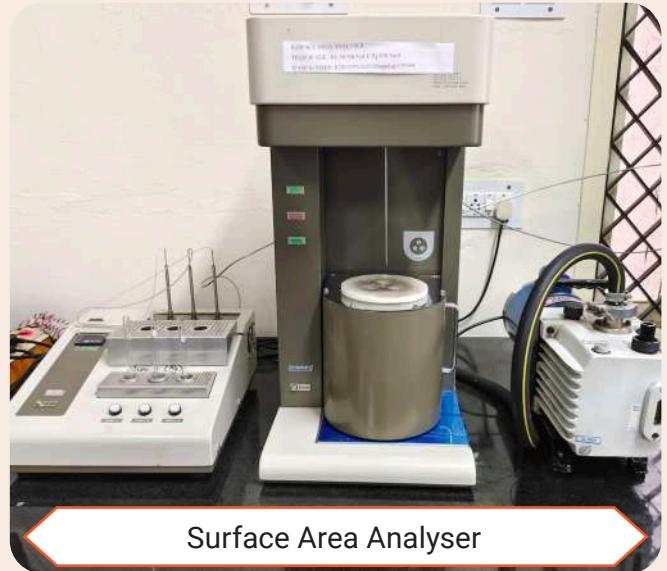
X-Ray Diffractometer



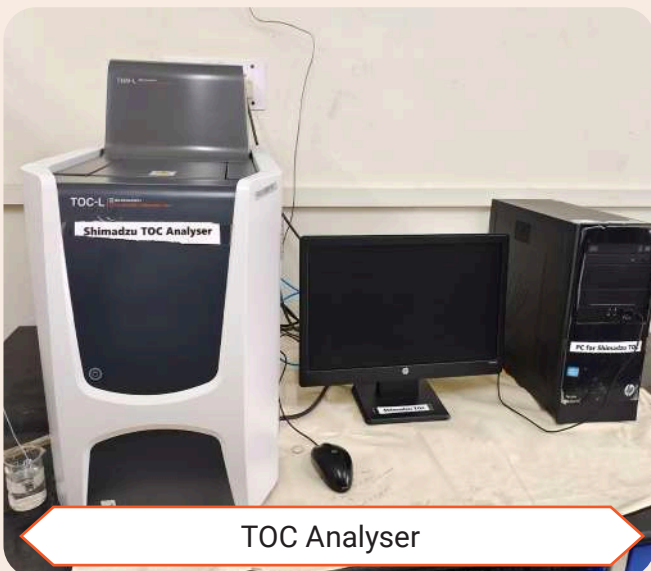
Atomic Electron Spectroscopy



Biodiesel Rancimat



Surface Area Analyser



TOC Analyser



Electro Spinning Apparatus



Universal Testing Machine 100T



Total Station



Triaxial Testing Machine



CNC wire cut EDM



Coordinate Measuring Machine



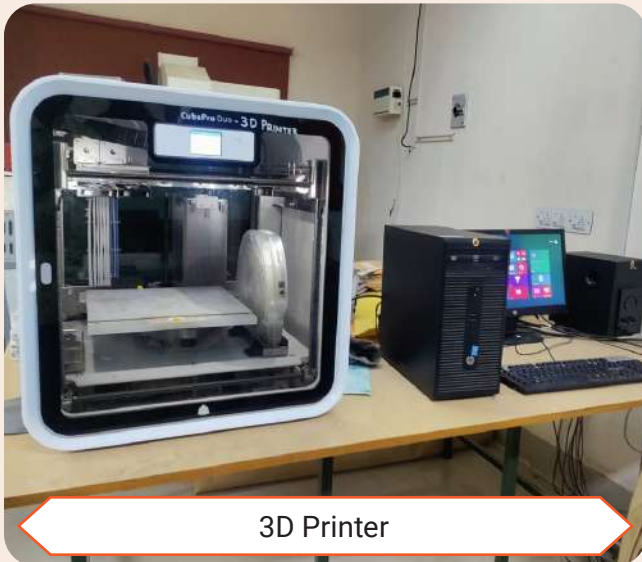
Three Tank Conical Setup



Vector Network Analyser



Software Defined Radio



3D Printer



Level Control Station



Computer controlled Universal testing Machine



Corrosion Analyser



Motor Testing Setup



Fluorescent Microscopy



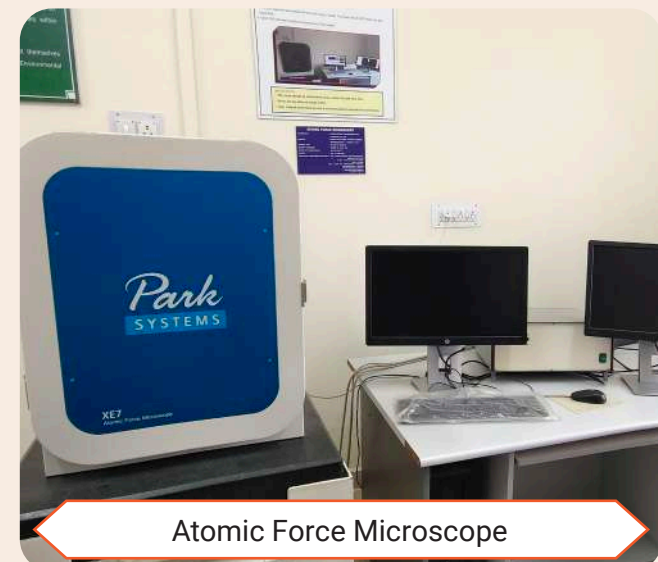
Real Time PCR



Smart Grid Setup



Variable Compression Ratio Research Engine Test Setup



Atomic Force Microscope

ACHIEVEMENTS

Achievements by Faculty

Our faculty members have compassed the following awards:-

- Chhatra Viswhakarma Award from AICTE-ECI-ISTE, India, 2018.
- IEI Young Engineers Award from the Institute of Engineers, India, 2018.
- International Innovative dedicated Teaching Faculty Professional Award from Society of Professional Engineers, Malaysia, 2017.
- Innovative Professional Award from Society of Professional Engineers, India, 2016.
- Junior scientist Award from National Environmental Science Academy, India, 2012.
- Rekha Nandi Award from Institution of Engineers, India, 2007.
- Bhupesh Nandi Award from Institution of Engineers, India, 2007.

Every year faculty members are publishing several technical papers in reputed journals.

Our faculty members have secured the following Patents:-

- Wireless Listening Device, 2019.
- System and method for decomposing organic and food waste, 2019.
- Fuel vapour recovery system, 2019.
- Dual access solar tracking system driven by a low powered drive, 2019.

Achievements by Students

Our students have accomplished the following awards:-

- AICTE-ECI-ISTE Chhatra Viswhakarma Awards - 2018 for the project titled "Smart Irrigation System".
- Best Judges Award for Innovation in Caterpillar India Pvt. Limited, India.
- Gold medal in the Kyorugi Senior girls in under 53 Kg weight lifting Championship, 2020.
- Overall Champion Medal in the Civil Engineering Technical Symposium conducted at PSG Institute of Technology, Coimbatore.
- Students have been selected in E-Yantra as Finalists in Synopsis Inno. Champ 2020.
- Consistently every year our students get Smart Student award from ROBERT BOSCH.
- Students have completed NPTEL certificate courses successfully and have obtained good score.
- Students have also successfully cleared various competitive exams like GATE 2020, IELTS and CAT 2020.
- Our students attended Foreign Technical Training Programme in Malaysia in the year 2017 and in Germany in the year 2018.

AREAS OF RESEARCH

CIVIL ENGINEERING

- Construction materials
- Composite structures
- Structural steel
- Construction technology and management
- Hydraulic structures
- Offshore structures
- Solid waste management
- Construction and Demolition waste management
- Wastewater management
- Biofuel production
- Air quality management
- Water quality management
- Soil and Geotechnical Investigations
- Ground Improvement Techniques
- Nanotechnology

ELECTRICAL AND ELECTRONICS ENGINEERING

- Renewable energy
 - Photovoltaic system
 - Solar system
 - Wind energy
 - Grid integration
- Energy management
- Embedded system
- Power system control and operations
- Soft computing technologies

ELECTRONICS AND COMMUNICATION ENGINEERING

- VLSI design
- Signal processing
- Image processing
- Wireless communication
- Computer networks
- Neural networks
- RF communication
- Network security
- Embedded systems
- Artificial intelligence
- Access control

MECHANICAL AND PRODUCTION ENGINEERING

- Biofuel
- Bioceramics
- Nanoparticles
- Die Steel
- Diesel engine
- Optimization techniques
- Engineering design
- GDI engine
- Welding technology
- Material Science
- Tribological characterization

CSE AND IT

- Wireless security
- Image processing
- Cloud computing
- Network & network security
- Mobile computing

INDUSTRIAL BIOTECHNOLOGY

- Cancer therapy & diagnosis
- Nanotechnology
- Biofuel production
- Biomass production
- Microbiological studies

EXTERNAL FUNDED PROJECTS

- **Department of Environmental Engineering, Assessment of Groundwater quality around the landfill region in Vellalore - Kurichi village Coimbatore, Department of Science and Technology (DST), Government of India New Delhi, Rs.24,88,500/-, 2016-2018.**
- **Department of Mechanical Engineering, Investigation of Active aero elastic wing for unmanned aerial vehicle, ISRO respond scheme, Rs.15,43,000/-, 2019.**
- **Department of Electronics and Communication Engineering, Modernisation of IoT lab, AICTE MODROB, Rs.7,57,000/-, 2018-2019.**
- **Department of Computer Science Engineering, Intelligent Transportation System, AICTE-RPS, Rs. 6,47,059 /-, 2018-2021.**
- **Department of Information Technology, Smart Air Quality Monitoring and Forecasting System funded by AICTE-RPS, Rs. 6,44,000/-, 2018-2021.**
- **Department of Geotechnical Engineering, MODROBS on Geotechnical Dynamics laboratory, Rs.19,90,000/-, 2020.**
- **Department of Industrial Bio Technology, Design and evaluation of novel transdermal patches for effective insulin delivery in type 2 diabetic patients, AICTE, Rs.5,88,235/-, 2019- 2022.**
- **Department of Environmental Engineering, Investigative study on removal of PM 2.5 using biofiltration, Tamilnadu State council for Science and Technology (TNSCST), Rs.7,500/-, 2018-2019.**
- **Department of Civil Engineering, Student Funding Project, TNSCST, Rs. 7,500/-, 2019-2020.**

SOCIETAL EVENTS

Academic Award Ceremony 2018



National Science Day 2020



Unnat Bharat Abhiyan 2019



Internal Hackathon 2020



Tree Plantation Ceremony



Art of Living PEP - Faculty 2020



Yoga for Youth empowerment 2019



MoU with Power Projects - November 2021



Art of Living PEP- Non Teaching Staff 2020



MoU with Capital Engineering Consultancy
Sharjah - UAE 2019



BOSCH - Smart Student Award 2019



Women's Day Celebration 2020



Training on Occupational Health and Safety



Student Excellence & Learning Program (SELP)



Hack Ware Finale 2019 -2020



MoU/ INDUSTRY COLLABORATIONS

- **MSME Technology Development Centre, Agra**
- **Trident pneumatics pvt ltd, Coimbatore**
- **MaxCADD, Coimbatore**
- **Synergy Die Casting, Coimbatore**
- **Rapid3D Technologies, Coimbatore**
- **Intelli Aura Technology Solutions, Coimbatore**
- **INFINUSTECH, Structural Engineering Consultancy Firm, Coimbatore**
- **DCAD Engineers and Consultants, Coimbatore**
- **Irrigation Management Training Institute (IMTI), Tamilnadu**
- **SG.Structural Engineers, Civil and Structural Engineering Firm, Coimbatore**
- **Lincoln University College, Wisma Lincoln, Malaysia**
- **Hitech Concrete Solutions Pvt Ltd, Chennai.**
- **Armour Steel Buildings India Pvt Limited, Coimbatore**
- **Pyramid Design India Pvt Limited, Coimbatore**
- **Capital Engineering Consultancy, Sharjah**
- **Green Micro Electronics,Jagdalpur**
- **LEMA Labs Technologies Pvt. Ltd, Chennai**
- **Sustainable Communities India Private Limited (SCI), New Delhi**
- **The Indian Space Research Organization of the Department of Space, Bengaluru**
- **Power Projects, Chennai**
- **ISRO and Regional Academic Centre for Space, NIT-Surathkal**
- **ROBERT BOSCH Engineering and Business Solutions ltd, Coimbatore**
- **PAYODA Technologies pvt ltd, Coimbatore**
- **K7 Computing Private ltd, Chennai**
- **Texas Instruments Ltd, Bangalore**
- **Maven silicon soft tech private limited, Bangalore**
- **VI Micro systems Private limited, Chennai**
- **NIT-Arunachal Pradesh**
- **Pantech Prolabs India Pvt. Ltd, Chennai**

REVENUE GENERATION

The college is equipped with various equipment to undertake research, testing and consultancy activities.

TESTING ACTIVITIES

- Compression test on cubes
- Tensile test
- Test on Bricks, paver block, tiles etc
- Various Tests on cement
- Soil testing
- Water quality testing
- Characterization of nanoparticles
- Material testing for buildings, highways and railways
- Deflection test for overlay design
- Magnesium Stir Casting Furnace with Automatic Bottom Pouring Arrangements
- Casting Setup for Vacuum and Squeeze Castings
- Pin on Disc Wear Measuring Machine with Data Acquisition System

CONSULTANCY ACTIVITIES

- Structural design/Vetting of buildings, Bridges
- Mix design of concrete
- Stability checking of buildings, Treatment Plant and towers
- Design of liquid retaining structures
- Land survey using GPS
- Design work and stability analysis
- Third party inspection for road works
- Air quality monitoring
- Soil investigation for buildings and bridges
- Pavement design
- Municipal sewage treatment plant design
- Solid waste management

BEST PRACTICES

- **GATE Coaching, Soft skill training, In-plant Training, Industrial Visit, Employability Skill Training (EST)**
- **Industry Readiness Programmes, Internship Programmes and Pre-placement training Programme**
- **Feedback System, Students counselling**
- **Lectures, Seminars and Workshop by Industrial Experts and Academician**
- **Smart classroom facilities - flipped digital classroom board for handling classes**
- **Encouraging students to earn credits through SWAYAM,NPTEL Courses**
- **MoU with industries**
- **SMART India Hackathon for students**
- **Workshops and Technical symposium – Every year**
- **One Credit course like “Web Designing” added in Curriculum**
- **Students training programmes in MATLAB and LABVIEW**
- **Internal audit - Every semester**
- **Department Staff meeting, Class Committee meeting**
- **Weekly Seminar, Technical Quiz**
- **Literary and Club activities for students**
- **Paper Presentation and Project Expo conducted for students**
- **Opportunity to excel in various co-curricular and extracurricular activities**
- **GCT Alumni Association supports the Institution by aiding in Infrastructure developmental activities.**
- **Tree Plantation Programme**
- **Testing and Consultancy activities**
- **Research and Development activities**

DETAILS OF INTERNSHIP

The following industries offered internships to the students

- **National Small Industries Corporation Limited, Chennai**
- **Bharat Sanchar Nigam Limited, Coimbatore**
- **Pantech solutions, Coimbatore**
- **Small Bridge in Collaboration with IBM, Hyderabad**
- **NSIC Technical Service Centre, Chennai**
- **Entuple Technologies, Bangalore**
- **Seimens Rail Automation Pvt.Lt, Bangalore**
- **Padmavahini Transformers Private Limited, Coimbatore**
- **Pearl Engineering Company, Coimbatore**
- **SALZER Electronics limited, Coimbatore**
- **RAKON INDIA Pvt Ltd., Karnataka**
- **Penta Automation, Coimbatore**
- **Siemens rail automation pvt. ltd, Bangalore**
- **Siemens ltd, airoli, navi Mumbai**
- **Tamilnadu newsprint and papers limited-Karur**
- **Salem steel plant**
- **Power Projects, Chennai**
- **Advanced Java Training Programat XPLORE IT CORP, Coimbatore**
- **Delta Chambers, Hyderabad**
- **Bapuji Nagar Park, Hyderabad**
- **Public Works Department**
- **Southern Railways**
- **Construction Industries**

INDUSTRIAL VISITS

The students have undergone industrial visits in the following places

- **Sea Blue Shipyard Ltd. and IGA TECH, Cochin**
- **Traco Cables Company Ltd. & Masco Tea Factory, Vagamon**
- **Kaynes Technology, Mysore**
- **Pillur- II Water treatment plant at Velliangadu**
- **Kerala Electrical and Allied Engineering Co. Ltd, Cochin**
- **Instrumentation Ltd (A Govt. of India Enterprise), Palakkad**
- **TOONZ Animation India Private Limited, Trivandrum**
- **Vikram Sarabhai Space Centre, Trivandrum**
- **ISRO, Trivandrum**
- **Aniframes Technology, Mysore**
- **Kayens Technology, Mysore**
- **ATS Global Techsoft Pvt. Ltd, Bangalore**
- **RAMDBA, The Data consulting company, Bangalore**
- **Aliyar Dam, Coimbatore**
- **Malampuzha Dam, Palakkad**
- **Bhavanisagar dam, Erode**
- **ACC cement, Madukkarai**
- **Kodiveri project, Erode**

GENERAL FACILITIES

Hostels



Badminton Court



Volleyball Court



Basketball Court



Ground



Post Office



SBI Bank



Seminar Hall



Library



Auditorium



Canteen



LIBRARY

Library with its huge collection of books and journals fulfils the academic needs of the students and the faculty members.

Collection of rare books

The 72-year-old institute holds the pride of possessing old books written by internationally renowned authors. It also has a very good collection of books of Indian and British Standards along with possessing Bound Volumes of Journals. The age-old institute holds the credit of possessing a collection of around one lakh books, E-journals, E-books, and E-ShodhSindhu.

Digital Library

Open access system available in the central library gives easy access to a huge collection of reference books and journals. Besides, E-resources in the Digital library are highly beneficial to researchers and advanced learners.

Integrated Library Management System

The library is automated using Integrated Library Management System (ILMS). From 2007 to 2017, the library used Smart Campus Software, which consists of Acquisition, Cataloging, Bar code-based Circulation, and Web OPAC. OPAC allows students to browse a book by author, title, or any keyword and provides links to all electronic resources available in the Library. From this year onwards, Impres ERP Software Version: 2.0.50727.5483 is being used which also provides the above-mentioned facilities. The library is fully automated. Gate entry Register is maintained in the Issue and Reference Sections. In the Reference Section, books are monitored by RFID and E-Gate.

Faculties and students have enrolled and utilising the learning resources in National Digital Library of India(NDLI).

ALUMNI ASSOCIATION

The Alumni Association has over 4000 Alumni. The alumni of this institute play an integral part in the development of their alma mater. The academicians, entrepreneurs, industrialists, scientists and administrators in the alumni have helped the student community realize their potentials to face the challenges in the world outside their college. The financial assistance extended by the alumni through various scholarships has helped students continue their studies.

GCT alumni association has launched itself in the effort of creating an Alumni center inside the college campus, to effectively and efficiently extend its services to current students, staff, and Alumni. The building has a built-up area of around 1500 sq. m. with car parking facilities. The total cost of the building is Rs.2.0 crores.

ALUMNI SUPPORT & CONTRIBUTION

GCT Coding Club

Placement Cell Re-imagined

Student Mentorship Program

Communication skills training Program

Placement Training: Mock Interviews and Group Discussions

Projects:

1996 Batch - Visitors Lounge with toilet facilities for Manimutharu Girls hostel

1996 Batch - Basketball Court

1984 Batch - Digital Mapping of GCT Campus

1998 Batch - Water and Sanitation for hostels

1998 Batch - IoT Makers Lab set-up

1995 Batch - Hostel renovation

1995 Batch - Visitors Waiting Hall for Girls in Kothaiyaru Illam

OUR MAJOR RECRUITERS



CLUB ACTIVITIES

TAMIL MANDRAM

Being the oldest club of GCT, Tamil Mandram gets the prerogative in the long list to follow. It fosters one of the ancient languages, Tamil. At the outset 5 members took efforts to give it a start. These Tamil enthusiasts who have a concern and interest towards the language have always brought laurels to the college.

FINE ARTS

Fine arts club nurtures creativity, explores the picturesque, pops novelty every time. The club's contribution in adorning the campus with its canvas is not only a visual treat to its students but also a cause of envy to the outside public.

LITERACY AND DEBATING SOCIETY

The Literary and Debating Society of the college is a 41-year-old organization. "Via Veritas Vita" meaning "The Way, The Truth, The Life" as the motto, it imparts global exposure in the college. Every year, it organizes stand alone fests like Confluence, Brain strain which draw huge footfalls.

STUDENT JOURNALIST COUNCIL

Student Journalist council (SJC) is the official student media body of GCT. It is started with its main objective of enhancing and inculcating the spirit of journalism, photography and design in the college. It also publishes 'Aperture'- The Student Newsletter and has established its presence in the social media by posting regular updates about the activities in the college.

gSARC

gSARC (GCT Student Alumni Relationship Cell) is an initiative by GCTAA to revitalize the relationship between the institution and the alumni across time, geography and interests. It strengthens the relationship between students, and alumni by managing engagement activities and support programs.

GREEN CLUB

Started in 2012, Green club aims at developing a greener society by not just planting saplings, but also provides technical solutions and innovations to achieve sustainability. GCT won the Sustainable Campus Award from Pondicherry Government in the year 2012 owing to the efforts taken by the Green Club.

TEDx GCT

TEDx GCT is an independently organized event by the students under the organization TED. It stands for Technology, Entertainment and Design where x=independently organized event. So far four TEDx GCT events have been organized under its banner.

NATIONAL CADET CORPS

The 2/3 EME platoon of the 2TN CTC battalion NCC has been functioning in the campus since 2001. The strength of the platoon is 32. The cadets regularly attend combined technical camps, annual training camps and army attachment camps besides being involved in social welfare activities periodically. The team NCC is instrumental in conducting parades during Independence Day and Republic Day and extending its service wherever there is a need to regulate the orderliness in crowded programmes.

ADMINISTRATION ASPIRANTS COUNCIL GCT

Administration Aspirants Council (AAC) is a council of students aiding each other for UPSC and GATE preparation in the college. They have also established their own library inside GCT campus for helping out the students.

DEFENSE ASPIRANTS CLUB

A club initiated to guide the students who are inspired to be a part of defense sectors of India. Periodic mentorship is provided to the students from various professors in Defense Academy, Coimbatore.

ROTARACT CLUB GCT

Rotaract club of GCT is a club which aims at serving the society through its varied initiatives. The club has been in existence 8 years and been awarded the Outstanding campus based club thrice under Rotaract Club, Coimbatore.

Y's CLUB

Y's Service Club of GCT Youth strives through active service to develop, encourage and provide leadership to the youth to serve the society. This club is parented by Y's Men Club of Coimbatore Smart City.

SCIENCE CLUB

The Science Club is an exclusive club for college freshers with a view of refreshing the scientific thinking abilities of the students amongst them. An annual event is organised encouraging students to participate in a multitude of events pertaining to Science and Technology.

MUSIC CLUB GCT

Music Club GCT (formerly called Orchestra) provides a platform for all students to pursue their passion in Music. Year after Year consistently, members of this club have ensured their renditions are echoed in the walls of the hallowed auditorium of the college.

DANCE CLUB GCT

Dance Club GCT or Eliminators as they are popularly are the Western Hip Hop dance team of GCT. Established in 2005, this team is a force to reckon with within the collegiate dance circuit in India. Their dance performances in IIT Madras, IIM Kozhikode proves their mettle.

GCT MOTORSPORTS - SAE GCT

GCT Motorsports consists of Team Screwtenizers and Team Asphalters who represent the colleges in competitions BAJA and TDC organised by the Society of Automotive Engineers. The members also participate in competitions and have consistently brought laurels.

TEAM SQWEEKERS

Team Sqweekers is a multidisciplinary team of 12 members incessantly thriving to become the pioneers in the field of emerging technologies like Deep Learning, AI and Robotics. Since 2016, it has been a strong contender against the top colleges across India in the First Tech Challenge organized by CaterPillar INC.

STUDENT RESEARCH FOUNDATION

SRF was started to promote innovation, inspire research, and support new innovations amongst the student community. It's objective is to create environments where students can pitch their concept to a panel consisting of professors and industry experts and validate their idea and build a sustainable product out of it.

NATIONAL INNOVATION STARTUP POLICY (NISP)

NISP was started to create entrepreneurs capable of providing commercially viable and ethically correct technical solutions to societal needs.

CLUB ACTIVITIES



NOTABLE ALUMNI

Public Administration



**K. Gnanadesikan
IAS**

Former Chief Secretary TN
Government, Chairman Tamil
Nadu Real Estate Regulator
Authority



**V.K. Jeyakodi
IAS**

Former Additional Chief
Secretary TN Government,
MD TN Power Finance
Corporation



**Ashok Vardhan
Shetty, IAS**

Former Vice Chancellor of Indian
Maritime University



**Ravi Arumugam
IPS**

Former Inspector General,
Tamil Nadu Police



**R. Swaminthan
IFS**

Former Indian
Ambassador to Egypt



**Dr. Venkateswaran
Ramakrishnan, IAS**

Additional Chief Secretary,
Rajasthan Government



Performing Arts



Thamarai
Lyricist



**Nagasubramanian
Chokkanathan**

Novelist



**Deepalakshmi
Jayakanthan**

Author



**Jyothsna
Sravanthi**

Author



**Dr. Suresh
Sundarraj**

Creator - Guitar Suresh,
Youtube Channel and
Principal R&D Engineer,
Advanced Technology,
Honeywell Aerospace



**Chellamuthu
Kuppusamy**

Author



Scientists & Academicians



Srinivasan Ramani

First Indian to be admitted to the 'Internet Hall of Fame'



Padmashri Mylswamy Annadurai

Director, ISRO



Swami Manohar

Lead the Team that created India's first handheld computer, Simputer and part of the GCT campus team that created an Electronic Voting Machine in 1981



Dr. Vasudevan Achuthan

Scientist, Advanced Editing at CRISPR Therapeutics



Dr. Rajit Rajappa

Assistant Project Scientist at University of California, Berkeley



Dr. Venki Balasubramanian

Health Informatics Researcher at Federation University. Founder & Executive Director at Anidra, Australia



Dr. Angappa Gunasekaran

Former Dean of the School of Business and Public Administration, California State University, Bakersfield



Suresh M

Senior R&D Director, Emerging Technology Center, Midea Group



Dr. Vasuki Ranjani

Advisory Panel Member, Biochemical Society



Dr. Suba Srinivasan

Staff Scientist, GRAIL Inc.



Dr. Narayan Janakiraman

Associate Professor, University of Texas, Arlington



Dr. Ravindra Gettu

Chair Professor, IIT Madras



Mr. S. Meganathan

Founder and Chairman, Rajalakshmi Institutions, Chennai



Dr. Adinarayana Kalanidhi

Former Vice Chancellor, Anna University



Entrepreneurs



**Srividhya Srinivasan ,
Baskar Subramaniam ,
SrinivasanKA**
Founders, Amagi

in in in



Kanishka Russell in
Founder, Filoche



Vidhya Narayanan in
Co-Founder & CEO, Rizzle



**Karthik
Chidambaram** in
Founder & CEO, DCKAP



Ramesh Manian in
Serial Entrepreneur,
Engineer and Executive



**Veena
Ramagopalan** in
First batch of women officers of
the Indian Navy, Co-Founder and
Director of Inroads Leadership
Development.



**Hemalatha
Annamalai** in
Founder, Ampere
Vehicles



**Booshan
Rangachari** in
Founder, Finzly



Raj Madhuram in
Co-Founder & CTO, CIX



**Sathish
Dharmaraj** in
Managing Director at
Redpoint Ventures



Murali Cherat in
Founder and Managing
Director wowfaddus



**Baskar
Parthasarathy** in
Founder and CEO Uvionics Tech.



**Bangloe
Lakshmikanth Balaji** in
Founder & CEO, Renkuba



**Zunder
Lakshmanan** in
Co-Founder and CEO,
OpenTurf Tech.

Executives



Kumar Ramachandran
Chief Executive,
MOSIP

in



Naveen Rajkumar
CEO and President,
ISOutsource

in



Subbu Palaniappan
Head, Amazon Prime India

in



Stephen Raj Arokiasamy
Head of Data Science
and AI, Robert Bosch

in



Raj Rajendran
Associate Partner at
McKinsey & Company

in



Shyam Arumugam
Managing Director,
Industrial and Logistics
Services, Colliers India

in



Reguraman Ayyaswamy
Senior Vice President,
Tata Consultancy Services

in



Vidhya Krishnaswamy
Vice President,
Capgemini India

in



Srinath Maliya
Chief Information Officer,
Atos Syntel

in



Dr. Nityanandan Devaraj
CEO, CRI Group

in



Cynthia S Srinivas
Vice President,
Pega India

in



Arundathi Rao
Director, EY

in



Gayathri Radhakrishnan
Director Venture
Capital - AI Fund,
Micron Technology

in



Gayathri Venkatraman
Global Head of
Strategy and Business
Development,
Siemens

in



Kanchana Mala Ravi
General Manager & Head
Nordics (Engineering and
R&D Services), Wipro

in



Dr. Geethpriya Palaniswamy
Director of Medical Physics
Residency, Baylor Scott & White
Health

in



M. Karthikeyan
Principal, NIF

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