Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



UNDERGRADUATE PROSPECTUS 2019

www.veltech.edu.in



1st Member

from INDIA to join the

CDIO

a Worldwide initiative



Accredited by

NAAC

with

A

Grade



Vel Tech Engineering College was incepted in the year 1997 under the Trust founded by the Educational-Philanthropic Personalities Col. Prof. Vel. Dr. R. Rangarajan, Founder Chancellor & President and Dr. Sagunthala Rangarajan, Foundress President. The Institution has grown persistently over the years impacting student lives and matured as Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, (Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology) u/s 3 of UGC Act 1956 in 2008. Since then it has been sprawling its wings in all dimensions, nurturing young students to help realize their goals in life by providing a truly higher education that everyone deserves irrespective of their financial means.

Passionate · Doers



Institutions' Profile







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RANKINGS & ACCREDITATION

All India Council for Technical Education
AICTE
योगः कर्मसु कौशलम्

THE TIMES HIGHER EDUCATION WORLD UNIVERSITY RANKINGS 2017 TOP 50 ASIA

43rd in ASIA

nirf

77th IN ENGINEERING CATEGORY 2018

THE TIMES HIGHER EDUCATION WORLD UNIVERSITY RANKINGS 2017 TOP 100 YOUNG

74th in the WORLD

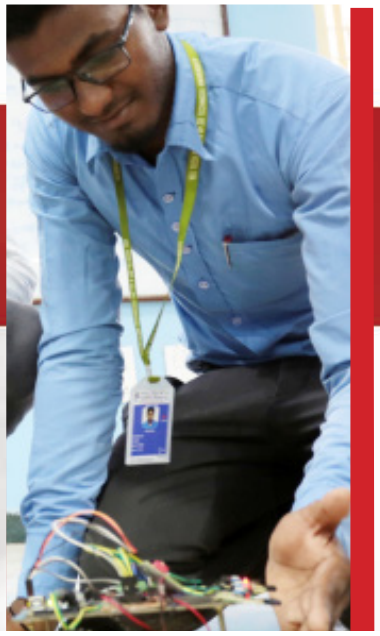
cdio™

First Member from INDIA

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
NAAC
EXCELLENCE • CREDIBILITY • RELEVANCE

'A' Grade

UIIN
University Industry Innovation Network







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TIMES ENGINEERING INSTITUTE
RANKING SURVEY 2018

2nd in Tamil Nadu
Region - Wise Ranking (SOUTH)

4th amongst Top 100 Private
Engineering Institutions

8th amongst Top 50 Institutions
in Research Capability

11th amongst Top 150
Engineering Institutions

RANKINGS
2018

THE TIMES OF INDIA

SCIMAGO
INSTITUTIONS
RANKINGS

Scopus Scimago Institutions Rankings
has ranked **Vel Tech** as the
1st in INDIA and 333rd in the WORLD.

This ranking is on
three main composite indicators:
RESEARCH | INNOVATION | SOCIETAL IMPACT

http://www.scimagoir.com/rankings.php?country=IND&sector=Higher%20educ.

1st

Vel Tech
Rangarajan Dr. Sagunthala
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Col. Prof. Vel. Dr. R. Rangarajan

From the Desk of The FOUNDER CHANCELLOR & PRESIDENT

Dear Students,

Since the inception of the Institution, we have always been committed in providing high quality education that emphasizes on gaining knowledge and holistic development of students. The knowledge that the student gains, will imbibe technical skills. This will enable them to contribute to their parents, to the society, and to the nation. There are challenges that require great efforts. But always remember that great effort bears the sweet fruit of success. Once the student tastes the fruit of success they will never seize working for it. It is my sincere desire and assurance that every student will emerge as an elite person.

Students are the Nation-builders, the movers of technology and the agents of change.

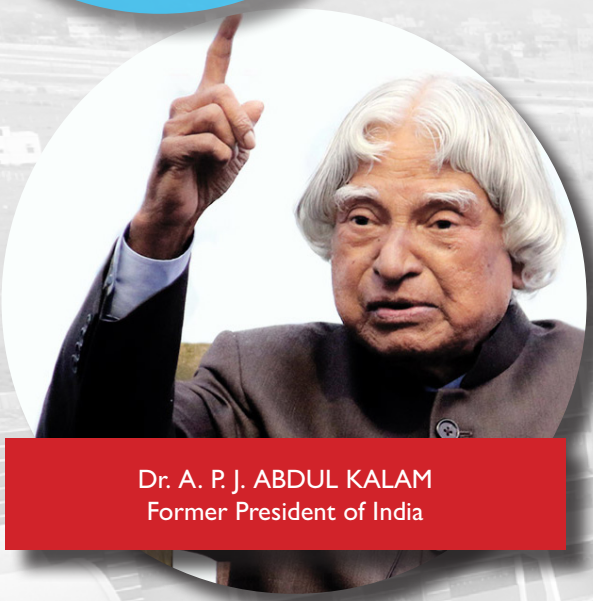
Welcome to Vel Tech
A place to progress and prosper.
A place driven by Determination, Dedication and Duty.

Col. Prof. Vel. Dr. R. Rangarajan
was awarded
VIDYA RATNA AWARD BY AKKINENI FOUNDATION OF USA

JUBILATE



SHRI. P. S. RAMAMOHAN RAO
Former Governor of Tamil Nadu
& Former Director General of Police of
Andhra Pradesh



Dr. A. P. J. ABDUL KALAM
Former President of India



Mr. N. R. NARAYANA MURTHY
Chairman Emeritus, Infosys



Dr. E. BALAGURUSAMY
Chairman of EBG Foundation, Coimbatore
Former Vice- Chancellor of Anna University

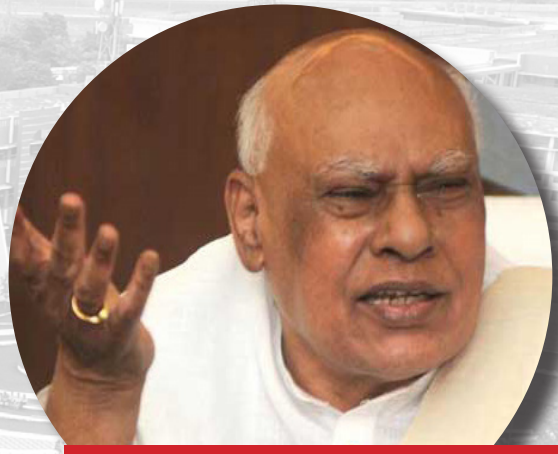


Shri. N. RAM
Chairman of Kasturi & Sons Limited & Publisher of
The Hindu
Board member of The Hindu Group

Vel Tech celebrates the visit of eminent personalities on campus. An exceptional opportunity that offered students an experience to witness and get influenced to impact the society.



Dr. ARUN MEHTA
President of BAPSI



Dr. K. ROSAIAH
Former Governor Tamil Nadu
Former Chief Minister of Andhra Pradesh



Mr. G. M. RAO
Founder chairman of GMR Group



Prof. Dr. TAKAAKI KAJITA
2015 Nobel Prize winner in Physics
Director - Institute for Cosmic Ray Research,
University of Tokyo, Japan



Padma Shri. Dr. A. S. KIRAN KUMAR
Former Indian space scientist and chairman of the
Indian Space Research Organisation(ISRO)

"Experience is the only source of knowledge" –Albert Einstein



MR. Y. S. CHOWDARY
Former Rajya Sabha member and the Minister of State, Ministry of Science and Technology, & Earth Sciences



MS. SAILAJA KIRAN
Managing Director, ETV & Margadarsi Chit funds



Padma Bhusan DR. M R GIRINATH
Cardiothoracic Surgeon, Apollo Hospital, Chennai



Dr. V S CHAUHAN
Former Chairperson,
University Grants Commission



Padma Shri Dr.VIJAY KUMAR SARASWAT,
Member, NITI Aayog and
former Scientific Advisor to Defence Minister

JUBILATE



MS. SUDHA MURTY
Chairperson, Infosys Foundation



Mrs. MALLIKA SRINIVASAN
Chairman and Chief Executive Officer of
TAFE & Board Member of Tata Steel



Padma Shri DR. SEKHAR BASU
Chairman, Atomic Energy Commission & Secretary
Department of Atomic Energy, Government of India.



SHRI. KISHORE KUMAR SANSI
Managing Director & CEO,Vijaya Bank



LEARNING EXPERIENCE

Active Learning Environment

- Classroom which can be re-configurable for supporting active learning.
- Faculty teams to devise and implement modern active learning methods.
- The student feedback is captured using classroom response systems for enhancing quality of teaching.
- V-Doers summer camp, a project to conceive design and implement towards finding solutions to societal problems by living in that society

Conceive Design Implement Operate (CDIO)



- Ignites to conceive ideas for solving real - world problems.
- Imparts abilities to transform ideas to product / process designs and prototypes.
- Student – centred workspaces equipped with modern engineering tools are made available for extended hours.
- Design – build experiences from 1st year onwards.
- Curricula include two or more CDIO oriented projects.



LEARNING EXPERIENCE



CURRICULA

- The curricula design provides opportunity to students for pursuing courses from various categories
- Integrated courses are designed encompassing theory & practical
- Domain specialist from industry teach specialized courses
- University facilitates Industry Internships/In-plant Trainings as part of the curricula
- The curricula design provides opportunities to students for pursuing courses from categories viz Programme Electives/Allied Electives/Value Education Electives



Choice Based Credit System (CBCS)

- Learning at one's own pace.
- Option to change the branch of specialization.
- Choosing the courses of one's interest from an extensive set of elective courses from various categories.
- Option to choose the professor of yours choice for the selected courses.
- Undertaking full time project works in India & Abroad.
- Transfer of credits from / to other reputed institutions in India and Abroad.
- Pursuing value-added courses for attaining high degree of professional competence.

Vel Tech MAHATMA GANDHI NATIONAL MERIT SCHOLARSHIP SCHEME

Objective of the scholarship scheme:

- Affordable higher education for students across all States and Union Territorries

The University has bestowed **9500 scholarships** worth approximately **₹30 crores until 2017.**

Scholarships offered in the Tuition Fee based on

- Ranks scored in the All India entrance examination popularly known as VTUEEE (Vel Tech Undergraduate Engineering Scholarship Eligibility Examination)
- MPC aggregate scored by the Student in their board exams

All Programmes in B.Tech

Candidates who appear for PHASE-I VTUEEE 2019 conducted on 29th & 30th December 2018 or 26th & 27th January 2019 can avail the benefit of 2018 fee structure			Candidates who appear for PHASE-II VTUEEE 2019 conducted on 25th to 28th April 2019 will adhere to 2019 fee structure			Merit Scholarship for PHASE -III	
PHASE - I			**PHASE - II**			**PHASE - III**	
ANNUAL TUITION FEE - INR 1,70,000			ANNUAL TUITION FEE - INR 1,90,000			ANNUAL TUITION FEE - INR 2,10,000	
SCHOLARSHIP BASED ON MPC AGGREGATE	PERCENTANGE OF SCHOLARSHIP IN TUITION FEE	TUITION FEE	SCHOLARSHIP BASED ON MPC AGGREGATE	PERCENTAGE OF SCHOLARSHIP IN TUITION FEE	TUITION FEE	SCHOLARSHIP BASED ON MPC AGGREGATE	TUITION FEE
Above 95%	75%	42,500	Above 95%	75%	47,500	Above 95%	67,500
90 to 94.9%	50%	85,000	90 to 94.9%	50%	95,000	90 to 94.9%	1,15,000

I got an opportunity to do final semester internship in Germany. It was an outstanding experience. I thank the University for being student supportive. I am privileged of being the 100% scholarship benefiter and travel abroad to a reputed University to do my Internship.



Vikrant Singh, West Bengal
CSE Department
Internship at University of Paderborn, Germany



My native is Andhra Pradesh. I received 100% scholarship in tuition fee. In my final year, I got an opportunity to do my Internship in an International Industry. All my thanks to Vel Tech.

Mukku Sumanth Reddy, Andhra Pradesh
Aeronautical Department
Internship MBDA France

I can't tell you how much I appreciate the scholarship schemes offered by Vel Tech. I am also a benefiter of the 100% scholarship in tuition Fee It was a blessing that was given to me. I will always try to make Vel Tech proud.



Sasidhar .P, Tamil Nadu
Mechanical Department
Placed with Computer Science Corporation, India

These Scholarships were distributed to students by eminent personalities like Mr. N. R. Narayana Murthy, Chairman, Infosys, Dr. A. S. Kiran Kumar, Distinguished Scientist, Mr. G. M. Rao , Founder and Chairman of GMR Group, Dr. K. Rosaiah, The Governor of Tamil Nadu, Dr. Prakash Patnaik, Principal Research Scientist, Shri. N. Ram, Chief Editor- THE HINDU to motivate our students.

- **Online applications are available at www.veltech.edu.in**
- **Offline applications are available at our admission offices and regional offices across the country for details call 1800 3070 6949.**

How to Apply

SCHOLARSHIP

I am a student of Aeronautical department with a 100% scholarship benefit in tuition fee. In my final year, the Institutions gave the opportunity to do my Internship in an International Insitute, IZFP Fraunhofer Institute Germany. An unforgettable knowledge gaining experience.



Sneha Davis, Madhya Pradesh
Aeronautical Department
Internship at IZFP Fraunhofer Institute Germany.



I am a benefiter of the 100% scholarship scheme of the Institution. It supported me to study worry free without financial burden for education. Thank you Vel Tech.

Parveer Sandhu, Punjab
Aeronautical Department
Recruited at WIPRO



Dr. Sagunthala Rangarajan

From the Desk of
THE FOUNDRESS PRESIDENT

Dear Students,

From the very first day as the student steps in, the experience they would gain will help them realise to be a Student Engineer rather an engineering student. We believe in the holistic development of every student, which will ensure an admirable future for them. The reputation and trust we have earned in last decades, underlines the progress of the Institution. Multicultural students from states across India and numerous Countries across the world define the cultural ethos of our Institution. The academic expertise of our passionate faculty members, dynamic curriculum, Research facilities and Industry-academia interaction makes it the best choice to launch the students career and enhance their professional skill sets.

I heartily welcome all the students to be a part of this educational expedition, which will transform them.

Best wishes

Affectionately,
Dr. Sagunthala Rangarajan
Foundress President

Dr. Sagunthala Rangarajan
was awarded
VIDYA RATNA AWARD BY AKKINENI FOUNDATION OF USA

From the Desk of The
Vice President



Dear Students

Do you have a dream? Has that dream become your vision!

We live in a competitive world that revolves only to succeed. But not everyone who is successful is remembered. We lift high only those who had a vision, enduringly worked and succeeded. A Vision without action is only a passing time. Thus arising the challenge to make your dream an action oriented vision that strives to conquer, which becomes a lasting legacy.

Vel Tech has a team of passionate administrators and faculty who are committed to see every student who joins the Institution master in their chosen fields. The state of the art infrastructures and facilities are meticulously designed, built and setup to help you venture and learn. The educational pedagogy of the Institution is designed to give you knowledge that can help you confront the fast trending technological world. This endeavour has established the Institutions academic reputation not only across the Country but also Overseas. The testimonials of our alumni technocrats will witness the same.
"Sometimes it falls open the generation to be great, you can be that generation."

Welcome to Vel Tech. Let's make your potentiality blossom

Best Wishes,
Mr. K.V.D Kishore Kumar
Vice President

From the Desk of
THE CHANCELLOR



Dear Students,

The academic structure, culture and the enthusiastic and pro-active attitude of the faculty supplemented by well established laboratories, and above all the very positive attitude and service orientation of the management lead by the great visionary and the educationalist Dr. Rangarajan, make this Institution a unique and preferred seat of learning. The congenial and exclusive academic atmosphere in the Institutions campus promotes innovation and creativity among the young student community. The comfortable accommodation, homely food, caring traditions, the most beautiful and serine campus with constant surveillance makes it a 'safe and affectionate home away from home' for both boys and girls.

The unprecedented encouragement given by the management by way of a large number of scholarships to support academic excellence and pursuits to the deserving students made this Institution 'unique' in this part of the nation.

The curriculum, the syllabus and the pedagogy address the contemporary challenges preparing the students to face national and global challenges and prepare for future. The knowledge, practical exposure and the personality development imbibed on the campus make the students achieve their career goals occupy pivotal positions. The near 100 per cent placements/ Higher Education/International Internship with significant number of students selected to serve various multinational companies in India and abroad is a reflection of the teaching and training standards of Vel Tech.

I wish a wonderful rewarding time for the young students joining the Vel Tech fraternity and wish them a wonderful career.

Best Wishes
Prof. Dr. Beela Satyanarayana
Chancellor



VISION

To create, translate and disseminate frontiers of knowledge embedded with creativity and innovation for a positive transformation of emerging society

MISSION

To nurture excellence in teaching, learning, creativity and research; translate knowledge into practice; foster multidisciplinary research across science, medicine, engineering, technology and humanities; incubate entrepreneurship; instill integrity and honor; inculcate scholarly leadership towards global competence and growth beyond self in a serene, inclusive and free academic environment.

From the Desk of
THE VICE CHANCELLOR



Dear Students,

Education empowers you to empower the society. In a constantly evolving global economic scenario, you need to reinvent yourself and acquire the requisite competencies to stay ahead of the crowd. By imparting knowledge that has a blend of academics, practical experience oriented learning and overall personality development, Vel Tech is committed to grooming students as leaders.

The Institution practices experiential learning methods, which is of much more recent vintage. The CDIO workspaces, active learning environment, engineering hives and research-industry collaborated curriculum ensures the same. Multi-ethnic socio environment by students from states across India and numerous countries across the world define the cultural ethos of our Institution.

In an engineering grad concentric world, a Vel Techian's high calibre, knowledge efficiency and their persona will set them unique and distinct from the rest. We academicians of the University strive the best of all our ability to enrich our students profile to suit the Industrial market demand. I heartily welcome you to be a part of this educational expedition that will transform you.

Best Wishes
Dr. V. Ramachandran
Vice Chancellor

Prof. Dr. E. Kannan

Registrar

To be a best practice model for University services and complying with regulatory responsibilities.





Prof. Dr. techn.Koteswara Rao Anne

Director Academics

Vision

To be widely recognised as Asian Leader in transformation of student learning experiences and academic practices

Mission

To provide a vibrant academic environment to students and faculty for pursuing their dreams passionately

Prof. Dr. P. Sarasu

Director Industry Relations & Director Research & Development

Industry:

Vision

Center to develop and sustain symbiotic relationship with industry for the benefit of students and faculty

Mision

Involve industry professionals in the academic process and provide opportunity for faculty and students to interact with the industry through trainings, internships and project consultancy.

Prof. Dr. A.Abudhahir
Director Quality Assurance



Vision is to be a Centre for evolving bench-marked quality metrics/ procedures for the educational practices, processes and methods

Mission is to benchmark the practices and processes against CDIO standards, National/ International accreditation criteria and ranking parameters for facilitating administrative systems achieving continuous improvement

Our LEADERSHIP



Research:
Vision
Forerunner in providing solutions to societal challenges through interdisciplinary research.

Mission
To develop infrastructure and policy to promote research and enhance the collaborations between faculty, research investors, industries and research enterprises in India and abroad.

Prof. Dr. V. Parthasarathy

Director Campus to Corporate



Vision
Placement opportunity for every student in their chosen path

Mission
Inculcate the culture of competency among students to suit dynamic corporate requirements and be the launchpad for their successful career.



Prof. Dr. E.B. PERUMAL PILLAI

Director Human Resources Development Centre

Vision
Centre of excellence in enhancing faculty competencies

Mission
Provide wide opportunities and environment for enhancing faculty competence in teaching, learning, personal, interpersonal, product and system building skills



Dr. R. Sivaraman
Controller of Examinations

To execute the evaluation of student learning as per the regulations confidentially and redress the grievances transparently

Our LEADERSHIP

Mr. S.Sivaperumal
Director for International Relations

Vision
To build symbiotic relationship with International peers to infuse global perspective, Internationally competent and culturally sensitive

Mission
Develop policy and create avenues for mutual exchange of students and faculty for various professional engagements such as internship, course, project work and research



மாநில சதுரங்கம்: சிவகங்கை மாணவன் சாம்பியன்



ஆவடி, ஜூலை 24-
சென்னையில் நடந்த, பார்வையற்றோருக்கான மாநில சதுரங்க சாம்பியன்ஷிப் போட்டியில், சிவகங்கையை சேர்ந்த பள்ளி மாணவன் முதலிடத்தையும்; சென்னை வீரர், இரண்டாவது இடத்தையும் வென்றனர்.
தமிழ்நாடு பிரெய்ல் சதுரங்க சங்கம் சார்பில், பார்வையற்றோருக்கான, 9வது தமிழ்நாடு மாநில சதுரங்க சாம்பியன்ஷிப் போட்டி, சென்னை ஆவடியில் உள்ள வேல்டெக் தொழில்நுட்ப பல்கலைக்கழகத்தில், 21ல் துவங்கி, 23ம் தேதி வரை நடந்தது. இப்போட்டியில் சென்னை, திருவள்ளூர், காஞ்சிபுரம் உட்பட, 24 மாவட்டங்களில் இருந்து, 10 வயது முதல், 50 வயது வரை உள்ள, 100க்கும் மேற்பட்டோர் பங்கேற்றனர்.
அதில், சிவகங்கையை சேர்ந்த, பிளஸ் 2 மாணவன், மாரிமுத்து, முதலிடம் பெற்றார்.
சென்னை, குன்றத்தூரை சேர்ந்த, அசக வங்கி மேலாளர் நாராயண நாயரன், இரண்டாம் இடமும்; காரைக்குடி சேர்ந்த, கல்லூரி மாணவர் அறிவழகன், மூன்றாவது இடத்தையும் பிடித்தனர்.
வெற்றி பெற்ற வீரர்கள் அனைவருக்கும், காஞ்சிபுரம் மாவட்ட ஆட்சியர், பி.பொன்னையா பரிசு மற்றும் கோப்பை வழங்கினார்.

■ சென்னையில் நடந்த, பார்வையற்றோருக்கான மாநில சதுரங்க சாம்பியன்ஷிப் போட்டியில், ஆர்வத்துடன் பங்கேற்ற சிறுவர்கள். இடம்: ஆவடி.

விஜை-2018கு அபூர்வ ஸ்பந்தன



சதுரங்க போட்டி



திரு வள் ளூர், ஜூலை 24:ஆவடி வேல்டெக் பல்கலைக்கழகத்தில்பார் வையற்றோர்களுக்கான 6 வது மாநில அளவிலான சதுரங்க போட்டி கள் நடந்தது. இதில் விருதுந கர் மாவட்டத்தைசேர்ந்த மாரிமுத்துவுக்கு முதல் பரிசுக்கான கோப்பை, ₹6 ஆயிரம் காசோலையை காஞ்சிபுரம் கலெக்டர் பி. பொ கினார். லைக்கழக ரங்கராஜ லைவர் டா தலா ரங்கரா தீஸ் நிர்வாக எஸ்.ரமேஷ், ஹ நிர்வாக இயக்கு வாசுதேவன், சங் தலைவர் யசோதை உள்ளிட்டோர்.

தினகரன் Tue, 24 July 2018
epaper.dinakaran.com/c/30586001

దివ్యాంగులను ప్రోత్సహించాలి



విజేతలకు బహుమతులు ప్రదానం చేస్తున్న కాంచీపురం జిల్లా కలెక్టర్ పొన్నయ్య

కాంచీపురం జిల్లా కలెక్టర్ పొన్నయ్య తిరుమళిశై: దివ్యాంగులకు అన్ని రంగాల్లో అవకాశం ఇచ్చి ప్రోత్సహించాలని కాంచీపురం జిల్లా కలెక్టర్ పొన్నయ్య సూచించారు. తమిళనాడు బ్రెయిలీ చెస్ అసోసియేషన్ ఆధ్వర్యంలో రాష్ట్ర స్థాయి చెస్ పోటీలను ఖ, ఆదివారాల్లో నిర్వహించారు. పోటీల్లో విజయం సాధించిన వారికి బహుమతులను అందజేసే కార్యక్రమం వర్చువల్ వ్యవస్థానక అధ్యక్షుడు డాక్టర్ రంగరాజర్ అధ్యక్షతన ఆదివారం జరిగింది. కార్యక్రమంలో వర్చువల్ వ్యవస్థాపక అధ్యక్షురాలు డాక్టర్ శకుంతలరంగ రాజన్ హాజరై ప్రారంభోపన్యాసం చేశారు. ముఖ్యఅతిథిగా హాజరైన పొన్నయ్య ప్రసంగించారు. రంగాల్లో రాణించే నత్తా ఉంది. కాశం ఇవ్వడానికి కాలా స్థారూ. అవకాశం ఇచ్చి వారిలో ఉన్న నత్తాన్ని చేసిన ప్రయత్నాన్ని కార్యక్రమంలో ప్రభు, పలువురు

సాక్షి Tue, 24 July 2018
epaper.sakshi.com/c/30586140

தினமணி

DINAMANI 10&11.07.2016

பட்டமளிப்பு-



தினமணி Sun, 10 July 2016
epaper.dinamani.com/c/11607149

கல்வி உதவித்தொகை...



சென்னை ஆவடி வேல்டெக் பல்கலைக்கழகத்தில் 275 மாணவர்களுக்கு ரூ.3 கோடிக்கான மகாத்மா காந்தி உதவித்தொகையை வழங்குகிறார் விஜயா வங்கியின் தலைவர் கிஷோர் குமாரின் மனைவி கனு சாண்தி. உடன் (இடமிருந்து) விஜயா வங்கி தலைவர் கிஷோர் குமார் சாண்தி, வேல்டெக் பல்கலைக்கழகத்தின் நிறுவனர்கள் ஆர்.ரங்கராஜன், சகுந்தலா ரங்கராஜன்.

தினமணி Mon, 11 July 2016
epaper.dinamani.com/c/11652530

ఆధునిక పరిశోధనలపై ఆసక్తి ప్రదర్శించాలి





సాక్షి SAKSHI 24.10.2016

విజన్ సాధనకు సహకరిస్తాం



డాక్టర్ రంగరాజన్

"EDUCATION IS THE MOST POWERFUL WEAPON WHICH YOU CAN USE TO CHANGE THE WORLD" -NELSON MANDELA

A Commitment to Ensure Excellence and Progress

Started as an engineering college in 1997, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, earned the Deemed to be University status in 2008, was the result of a modest introspection of philanthropic and well-known industrialist couple, Col. Prof. Vel. Dr. R . Rangarajan and Dr. Sagunthala Rangarajan. Having a successful and prosperous industrialist portfolio, the couple felt the urge to contribute some-



தினகரன்

DINAKARAN 12.07.2016



ஆவடி வேல்டெக் பல்கலைகழகத்தில் கல்வியில் சிறந்த மாணவர்களுக்கு மகாத்
காந்தி பெயரில் உதவித்தொகை வழங்கும் விழா நடந்தது. விஜயா வங்கியின்
வாக இயக்குனர் கிஷோர்குமார் சான்சி, 275 மாணவர்களுக்கு ரூ.3 கோடிக்க
உதவித்தொகை வழங்கினார். அருகில் பல்கலைக்கழக தலைவர் ஆர்.ரங்கராஜ
டாக்டர் சகுந்தலா ரங்கராஜன்.

Deputy CM launches Vision 2021 plan

OUR BUREAU



Deputy Chief Minister Nimmakayala Chinarajappa launching a programme at Amalapuram on Thursday

Rajamahendravaram: Veltech Dr RR and Dr SR University, Avadi, Chennai announced the launch of Vision-2021-The strategic plan. Deputy Chief Minister Nimmakayala Chinarajappa launched Vision-2021 in Amalapuram while renowned philanthropist and industrialist Datla Venkatapathi Raju launched the programme at Hotel Anand Regency in Rajamahendravaram on Thursday. Speaking on the occasion, chief guest of the programme, Datla Venkatapathi Raju lauded the initiative taken up by the University in providing high quality education. He offered land for the university in Rajamahendravaram to set up its campus. He expressed hope that students from this region will be benefited by the university.

The event was a bio-fold occasion also commemorating the unveiling the University's insignia by Rajamahendravaram Rural MLA Gorantla Butchaiah Chowdary. The event also witnessed the inauguration of regional office by MLC Adireddi Appa Rao. Chairman, Aryapuram Cooperative Urban Bank, Challa Sanka Rao announced the Mahatma Gandhi Merit Scholarship Scheme for the most deserving students and distributions were made to Pantam Satyanarayana Charitable Trust by Deputy Mayor Vasireddy Rambabu.

Speaking on the occasion, vice-chancellor, Dr Beela Satyannarayana said that that CDIO (Conceive-Design-Implement-Operate) Worldwide Initiative had selected Veltech Dr RR and Dr SR University as the first member from India and added that the University was voted and declared recently by CDIO Council for its innovative engineering education framework.

He said that Veltech created an ecosystem that nurtures research of students through multifarious modes. He added that a dedicated research park with well-equipped laboratories in the domains of autonomous vehicles, additive manufacturing, 3D printing, nanocomposites and renewable energy was established to support research projects under the aegis of national and international agencies.

Founder Chancellor and president of Veltech University, Dr R Rangarajan said that the University has been planning to offer Rs 100 crore scholarships in the next five years. He informed that University is planning to link to 1,000 more high-worth industries in addition to 2,000 industries to give students industrial experience. Pantam Bhaskar Ram was the master of the ceremony. Chancellor, Dr Sagunthala Rangarajan, vice-president K V D Kishore Kumar and pro vice-chancellor Dr U Chandrasekhar attended the programme.





Indo-French team develops eco-friendly low cost e-bi cycle

OUR BUREAU



French designer Professor Bernot (extreme left) with the eco friendly e-bi cycle in Vijayawada on Tuesday.

Veltech Dr RR and Dr SR University, Chennai in association with French industry partner, France Col Technology has developed next Gen low-cost e eco friendly e bi-cycle.

The e-Bi cycle can be peddled like all other bi cycles and can be used like e- bi cycles which can run with the support of power. The engineers have designed the new method where any ordinary bi cycle can be transformed into an e-bi cycle by fixing some devices like power drive and motor. The procedure takes three hours.

A small kit can be fitted to the bi-cycle in three hours and it can be converted into a ne-bi cycle. Another important feature is, the peddling generates power and can be stored in the power drive device fitted to the vehicle.

French designer Bernot, Veltech Dr R R and Dr SR University vice-president Kishore Kumar, Managing Director Bhattacharya, Pro Vice-chancellor Dr U Chandrasekhar and the students showcased the innovative e-bi cycle in a hotel on Tuesday as part of Start up India programme.

He said that Indo-French Centre for the promotion of Advanced Research is doing many experiments to produce different types of products with the support of 500 watts power. He said the e-bicycle power drive can be recharged in five hours. He added that the innovative feature of the bi-

Dr RR and Dr SR University, Chennai. He said any ordinary bi cycle can be transformed into e-bi cycle



VERSATILITY IS THE HALLMARK OF STUDYING AT VEL TECH



Our Innovative Pedagogy

CREATE NEWS

INTERNATIONAL ARENA

The Directorate of International Relations of Vel Tech has established working International Relations with more than 390 Institution across 30 countries and has entered in Memorandum of Understanding (MoU) with 120 Institutions for various Academic and Research exchange activities as listed below

- Student Exchange Programme allows student to continue their programme in an International University with funding/scholarship.
- International Faculty visits for taking a short courses and guest lectures.
- Semester abroad for projects and internship with funding.



Prof. Dr. Feng Tyan from Tamkang University, Taiwan



Prof. Dr. Daniel Einarson, Kristianstad University, Sweden



Prof. Dr. William Grosky, University of Michigan - Dearborn Campus (UMD), USA



Prof. Dr. Jordi Petit Silvestre, Universitat Politecnica de Catalunya (UPC), Spain



Prof. Keshav Dahal, Chair in Intelligent Systems and Research Lead of AVCN Research Centre, School of Engineering and Computing, University of the West Scotland, Scotland, UK



Prof. Dr. Christine Mounaim Rousselle from University of Orieans,France

INTERNSHIP / PROJECT ABROAD







Directorate of International Relations

Europe & Russia

Technische Universität Braunschweig · INSA · FRANCECOL · MAH · RIGA TECHNICAL UNIVERSITY · isep · AGH · Université de Cergy-Pontoise · HKR Kristianstad University Sweden · POLYTECH ORLEANS · UPC · Technology Arts Sciences TH Köln · MCI · FH AACHEN UNIVERSITY OF APPLIED SCIENCES · SAARLAND UNIVERSITY · MBDA MISSILE SYSTEMS · ipb INSTITUTO POLITÉCNICO DE BRAGANÇA

Asia

TAIPEI TECH · National University of Tainan · 南臺科技大學 Southern Taiwan University of Science and Technology · MAPÚA INSTITUTE OF TECHNOLOGY · UNIVERSITI MALAYA · MULTIMEDIA UNIVERSITY

US & UK

University of Leicester · OKLAHOMA STATE UNIVERSITY · CALIFORNIA STATE UNIVERSITY FULLERTON · Portland State University · University of Northern Iowa · GCU Glasgow Caledonian University · DEARBORN

Research Park



Research Park

Vel Tech Research Park houses well established National facilities, Centres of Excellence and Special labs, promoting research among students. Various funded research projects are administered at the research park in association with Research Organisations & Industries, to carry out R&D and Industry relevant projects. To name a few like The Dassault System Lab, France CoI, 3D Printing and Scanning Laboratory, Cyber Security Lab, Unmanned Aerial Vehicles (UAV) Laboratory & National Instruments Lab, USA etc. Research teams of Vel Tech and Victoria University, Canada are involved in an international project (IC-Impact project) for development of UAVs in the inspection process of railway bridges.

The Institution has established National Facilities, Centres of Excellences and Special Labs in association with Research Organisations / Industries for taking up R & D and industry - relevant projects by the Students and Faculty

Research Centres

Special Centres or Facilities Established in Association or with the support of Industry / Research Organisations.

The University has established National Facilities, Centres of Excellences and Special Labs in association with Research Organisations / Industries for taking up R & D and industry - relevant projects by the Students and Faculty

Advanced Research Facility and Collaborators

- **High Speed Bearing Test Facility**
  Gas Turbine Research Establishment (GTRE), DRDO. Bangalore & Dynaspede Inte grated Systems Ltd, Hosur
- **Automotive Engine Test Facility**
  ARAI Pune, Ashok Leyland Chennai, TAFE Chennai and Greaves Cotton Chennai
- **Material Science Research Lab**
  Armament Research & Development Establishment (ARDE). DRDO. Pune

Structural Research Lab

Defence Materials & Stores Research & Development Establishment (DMSRDE), DRDO, Kanpur

Centre of Excellence

- Centre of Excellence on Virtual Instrumentation, National Instruments, USA
- Centre for Design, Engineering and Manufacturing (CDEM), DASSAULTSYSTEMES France
- Cyber Security Lab, IBM India Pvt. Ltd., Delhi
- R&D Lab for Innovative Devices, FranceCol, France



ENTREPRENEURSHIP INITIATIVES



Vel Tech encourages ENTREPRENEURSHIP skills among their STUDENT ENGINEERS

Vel tech Technology Business Incubator (Vel tech TBI)

Vel Tech has established a suitable eco system for supporting innovation and entrepreneurship activities in the campus. Vel Tech Technology Business Incubator (Vel Tech TBI) jointly supported by the Department of Science and Technology and Vel Tech is established with an overall budgetary outlay of **5.10 Crore** in the year 2010.

40 Plus Start-up companies with technical and business interests in e-waste and bio waste management, 3D Printing, Robotics, Unmanned air Vehicles, VLSI/Embedded Systems, Fuel cells/Green Energy and IT/ITES are incubating in Vel Tech TBI



Vel Tech TBI has permanent membership in the German head quartered global initiative named **StEP** (Solving E-waste Problem).

Vel Tech — **MSME** Business Incubator under the aegis of Ministry of Small and Medium Enterprises. Govt. of India. Vel Tech provides early stage funding for nurturing innovative ideas (new technologies, processes, products etc..) that can be commercialized

UG Programmes



School of Computing

B.Tech. Computer Science & Engineering
B.Tech. Information Technology

School of Electrical and Communication

B.Tech. Biomedical Engineering
B.Tech. Biotechnology
B.Tech. Electrical and Electronics Engineering
B.Tech. Electronics & Communication Engineering

School of Mechanical and Construction

B.Tech. Aeronautical Engineering
B.Tech. Automobile Engineering
B.Tech. Civil Engineering
B.Tech. Mechanical Engineering

School of Management Studies

B.B.A.
B.Com.

School of Media Technology and Communication

B.Sc. Multimedia
B.Sc. Visual Communication

School of Law

B.A. L.L.B (Hons.)
B.Com. L.L.B (Hons.)







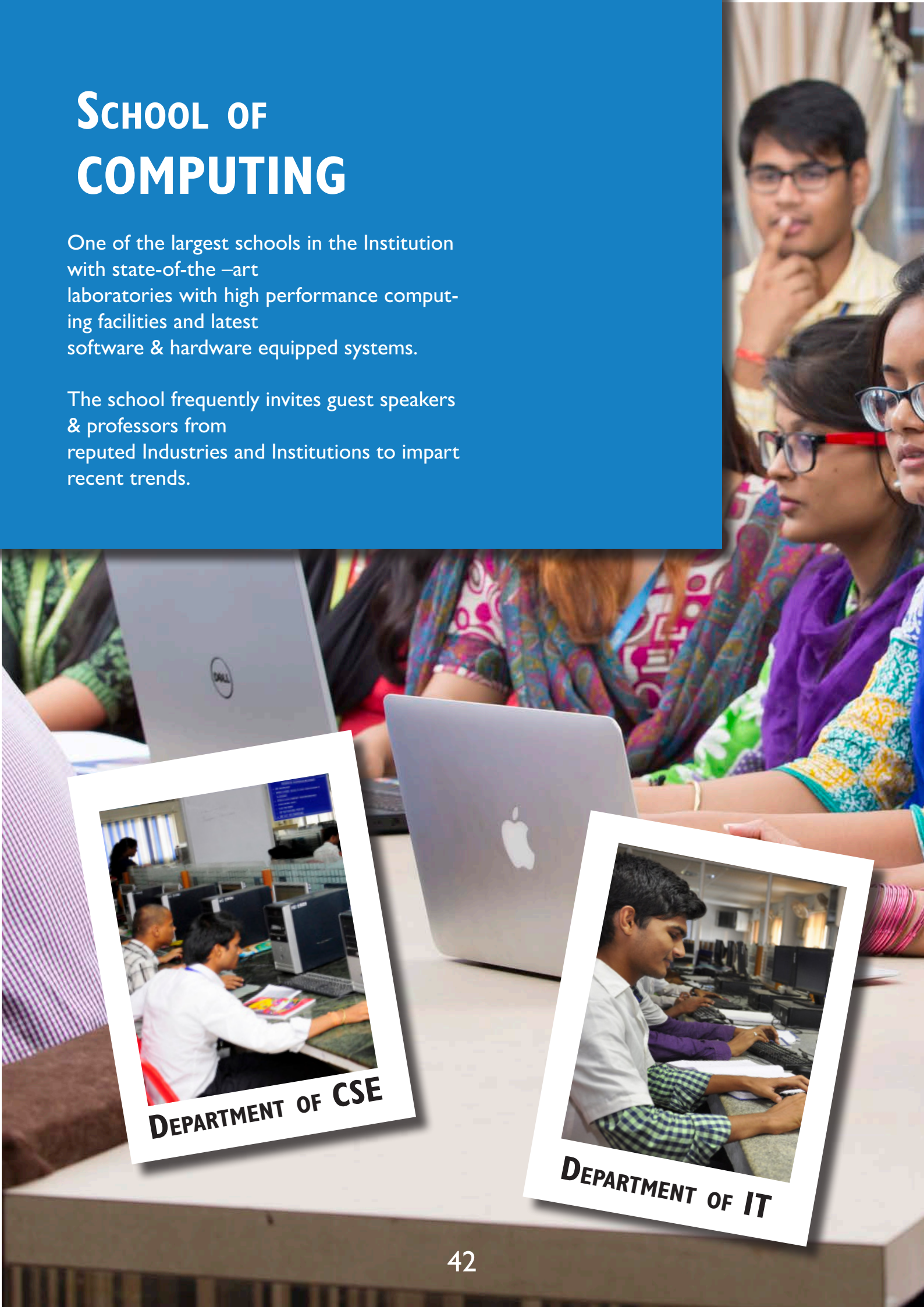


PROGRAMMES OFFERED

School of COMPUTING

One of the largest schools in the Institution with state-of-the –art laboratories with high performance computing facilities and latest software & hardware equipped systems.

The school frequently invites guest speakers & professors from reputed Industries and Institutions to impart recent trends.



Department of CSE

Department of IT





Department of
Computer Science & Engineering

Profile:

The department offers a wide range of activities in cloud computing, Bio-informatics, Networking, Data Mining, Text Mining, Cyber Security, Big Data Analytics, Machine Learning & Internet of Things.

Sixty three doctoral students are currently pursuing research in the above listed areas.

Activities in Cloud Computing research outcomes are presented / published in national/ international conferences/ journals.

State-of-the-art facilities

- Center for Department of Advanced Computing
- IBM cyber security lab
- EMC^2 Data Analytics lab
- Open Source Lab

Internship/ Project

- National University of Singapore
- CSC Hyderabad
- IIT Delhi
- Council of Scientific & Industrial Research
- Microsoft, USA
- Tech Mahindra
- Infosys
- Wipro

Our alumni are working in reputed Companies like

- Amazon
- Google
- TCS
- IBM
- CTS
- ZOHO
- Capgemini
- Accenture

Students Achievements

- 2nd prize in RBS Hackathon-2016.
- Won Microsoft Imagine Cup competition
- 10+ articles contributed by students were published in Wikipedia.
- Student awarded with "Special Mention" grade in the International Accessibility Summit of shaastra 2017, IIT Madras.

Key Research Project:

Social Network Analytics
Identity Security in Cyber Space
Cloud Resource Provisioning
Big Data Analytics
Service Framework

Profile

Department is associated with IEEE-computational Intelligence Society (IEEE-CIS) and offers a wide range of electives in Artificial Intelligence Mobile application development, Big Data Analytics, Cyber security.

State-of-the-art facilities

- Center for development of Advanced Computing
- IBM Cyber Security Lab
- EMC2 Data Analytics Lab

Internship/Project

- Tamkang Universities, Taiwan
- Center for development of Advanced Computing(C-DAC)
- BSNL
- HCL
- IBM
- Infosys

Our Alumni are employed in reputed companies such as

- Infosys
- ZOHO
- Tech Mahindra
- Accenture
- KAAR technologies
- TCS

Students Achievements

- Mr. Vinay Rajan, our alumnus initiated a start-up company M/s Cybergyan IT solutions and services in 2013.
- Students won prizes in TCS core, Vita and IBM Hackathon.

Department of
Information Technology


DELL
power energy


DEPARTMENT OF ECE



DEPARTMENT OF EEE

SCHOOL OF
ELECTRICAL AND COMMUNICATION

Students of the School actively participate in nationally reputed clubs such as robotics club and small device programming club, to enthuse and bring out their design skills from them.

Many of our faculty members in the School received doctoral degrees from reputed Institutions from India and Abroad.

The students of the school are involved in nationally significant projects namely Small Satellite projects in collaboration with International Industries in France, Germany etc.

Programmes are designed and developed in close interaction with Industry partners like C-DAC, FCRI, RAI, NAASCOM etc.

Profile

The department faculty members adopt Active Learning methods and CDIO approach for teaching and to bring in a futuristic design experience to the class room.

State of the Art R&D Laboratories

- Centre for Excellence in Virtual Instrumentation in association with National Instruments
- e-yantra Robotics laboratory initiated by IIT Bombay sponsored by MHRD
- Advanced Communication Lab equipped with industry standard equipment and software (unique facility available with very few premier institutions in India)

Student Development Activities

- Programming Club that conducts regular training sessions and coding contests to create community of programmers to share ideas.
- Robotics club offers periodic hands on practice on Robotics and motivates the students to participate and win in reputed project design contests.
- Every semester four to five courses on recent trends in Electronics and Communication Engineering, are offered to the students by guest professors from reputed universities from Asian and European countries.

Student Workshops

- LabVIEW
- Embedded Systems using Advanced Microcontrollers
- Signal processing using Texas DSP processors
- FPGA & ASIC Design

Student Achievements

The faculty and students of ECE department won awards like

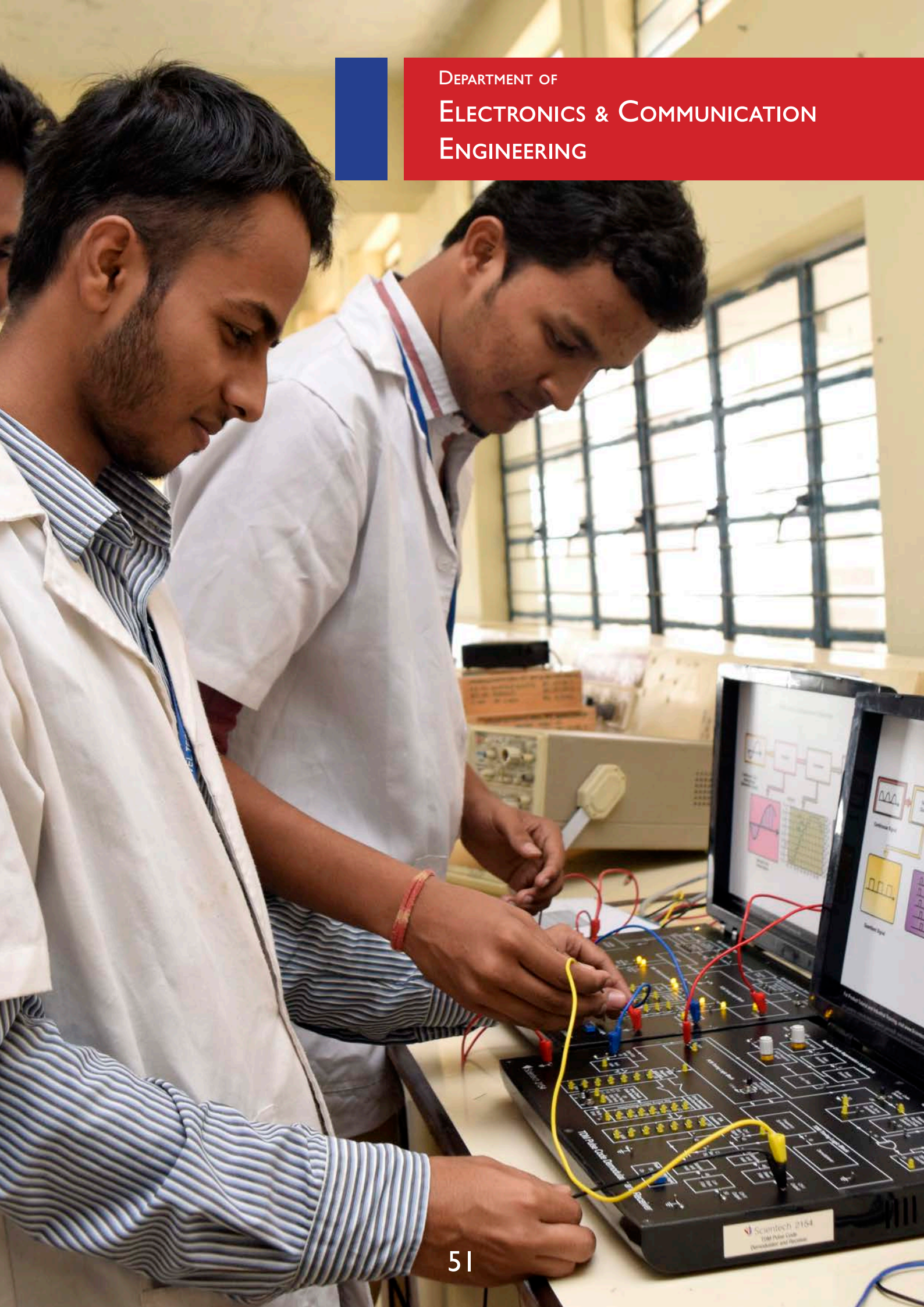
- CANEUS Lockheed Martin Award in IISC for Small Satellites
- Aegis Graham Bell Award for Unmanned Aerial Vehicles

Our Alumni are employed in reputed companies like

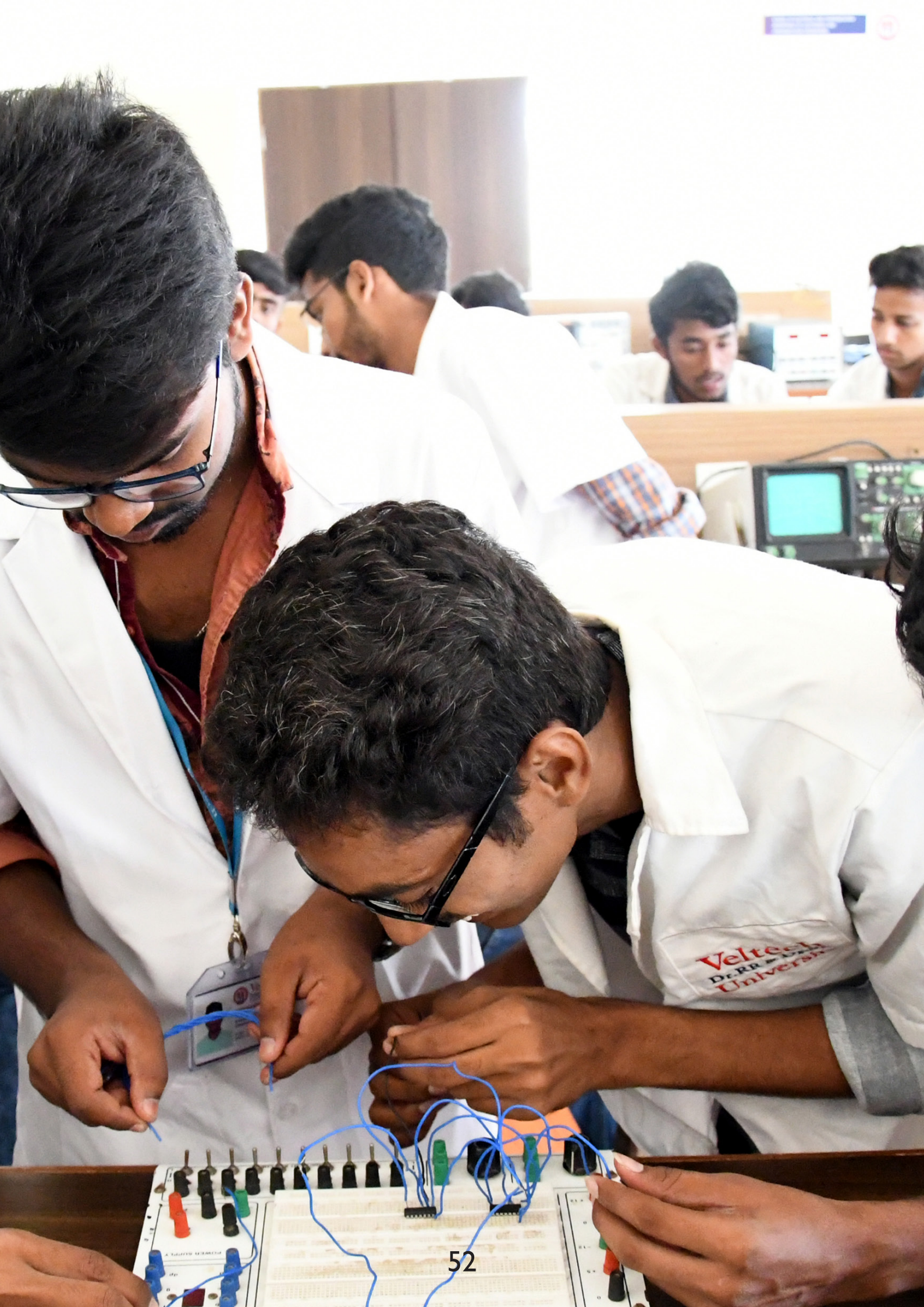
BOSCH	EMC2
Shwing Stetter	Zebronics
Va Tech Wabag Ltd.	Mu Sigma
IBM	Wipro

Key Research Projects

- Innovative wheel drive to enable widespread Electric Bicycle Transportation (IWDEB) in collaboration with France based organisation
- Design and Development of Small Satellite Systems
- Design and Fabrication of RF & Microwave Antennas
- Wireless Sensor Networking for IoT Applications
- Cutting Edge Research in Smart Systems



Department of Electronics & Communication Engineering



Profile

The department offers courses in collaboration with Fluid Control and Research Institute and specific skill oriented course on LED Lighting Technology in association with Kwality Photonics Ltd, Hyderabad.

State of Art Facilities

- Francecol Centre for Innovative devices Lab
- Centre of Excellence on Virtual Instrumentation
- B & R Automations Lab
- Process control Lab
- Simulation Lab
- Drives Lab

Specific Skill Oriented Courses

LED lighting technology in collaboration with Kwality Photonics Ltd, Hyderabad

Internship /Project

- Kristianstad University, Sweden
- Brakes India Ltd
- NCKU, Taiwan
- National Institute of Wind Energy
- Francecol Technology, France
- Power Grid Corporation Of India Limited
- Rectifiers & Electronics Pvt. Ltd.

Our Alumni are employed in reputed companies like

- ZOHO Corporation
- Maruti Suzuki
- Indian Railways
- State Govt. Agencies
- Quest Global
- Reliance
- TNEB

Key Research Projects on

- Automotive Electronics
- Control Systems
- Power Electronics & Drives
- Renewable Energy

Department of
Electrical and Electronics Engineering



Department of Mechanical



Department of Aeronautical

School of MECHANICAL AND CONSTRUCTION



Prof. Dr. A.T. Ravichandran
Dean

Students of Vel Tech consistently participate and win awards in international events.

The School houses laboratories which are one of its kind. Such National facilities are available with very few reputed Institutions in India.

Many students from the School avail the opportunity to travel abroad to complete a semester/ joint programme in various reputed Universities.

Students & faculty work on cutting edge projects in

- MBDA missile system
- ISRO
- Ashok Leyland
- Bosh



Department of Civil

Department of Automobile



Profile

First Aeronautical programme from India received NBA Tier I (Washington Accord) accreditation

State–of-the-art Facilities

- Flight Mechanics and control lab
- High speed bearing test facility
- Rocket Motor Test Facility
- Center for Autonomous systems
- Aircraft Simulator
- Center for Design

These facilities are available only in very few reputed intuitions in India.

Internship / project

- MBDA Missile Systems, France
- Hindustan Aeronautics Limited, Bangalore
- National Cheng Kung University, Taiwan
- National Aerospace Laboratories, Bangalore
- University of Hamburg, Germany
- Nanyang Technological University, Singapore
- Defence Research and Development Organization, Chennai

Our Alumni are employed in reputed companies like

- Airbus India
- Quest Global
- Indigo Airlines
- Indian Airlines
- Hindustan Aeronautics Limited, Bangalore

Key Research Projects

- Development of Indigenous Autopilot Technology
- Unmanned Aerial vehicle for versatile applications in collaboration with Korean and French Industry partners
- Gas turbine bearing test and characterization
- In-flight parameter estimation of Unmanned Aerial vehicle

Department of
Aeronautical Engineering

Profile

The department offers UG and PG programmes/courses in close collaboration with:

- Automotive Research Association of India Pune
- Central Institute of Road Transport, Pune
- Global Automotive Research Center, Chennai
- Tractor and Farm Equipment's, Chennai

The department has established versatile facilities

Automotive Engine Testing Facility
Engine Simulation Lab
Automotive Tire Balancing & Removal Lab

Internship / project

Ashok Leyland
Mahindra and Mahindra

PolyTech Orleans, France
Institute National des Sciences Appliquées de Lyon, France

Our Alumni are working in top Automobile Industries like

TVS Chennai
TATA motors Lucknow and pune

Student Achievements

- First prize in Daimler Student Innovation Competition, Dresden, Germany
- International Students Green Car Competition Organized by Korean Auto-Vehicle Safety Association (KASA) - Creative Technology Award-2015 and Outstanding Team Award - 2015
- First prize in Solar bikes competition RIDE 2K15 SAE Collegiate club
- First prize in Mini bike and Go kart car club
- SAE BAJA, SUPRA SAE

Department of
Automobile Engineering


기업홍보부스
VSCC 2K18
OFFICIAL
111

Department of
Civil Engineering



Profile

- Department focuses on Advanced Research and education in broad areas of Geotechnical, Structural, Transportation, Water Resources and Environmental Engineering
- Well experienced faculty members with Ph.D.s, from premier Institutions.
- Dynamic interaction with International / National professional societies such as ACI, ASCE, ISTE, ICI, CEA, ISET, IE, IGS, CSI etc
- The department has International collaboration with many foreign Universities for student exchange programme.

State-of-the-art Facilities

Concrete Technology lab	Geotechnical Engg. Lab	Strength of Materials Lab
Environmental Engineering Lab.	Survey Laboratory	CAD Laboratory

Value Added Courses

- Specific skill oriented programme electives by eminent professors from France, Germany, Taiwan and Singapore
- Computer Aided Drafting for Architecture and Interior Design
- Hands on training on "Digital Total station" in collaboration with leading industries.

Internship / project

Structural Engineering Research Centre
Southern Railways
National Cheng Kung University, Taiwan
Nanyang Technological University, Singapore
IITs
National Environmental Engineering Research Institute,
Defence Research and Development Organization, Chennai.

Our Alumni are working in reputed companies like

L&T Construction	Multinational companies
Government of India projects	GVR Infra Projects Ltd. Chennai
RDC Concrete (India) Pvt Ltd.	

Key Research Projects

- Development of Fiber Reinforced Aerated Concrete with Epoxy Coating for Structural Panel Application – funded by DRDO
- Structural Health Monitoring of long span Railway Bridges and Heritage Structures
  - In collaboration with University of Victoria, Canada - funded by DST, New Delhi.

Profile

First among South Indian Institution to get accredited by NBA TIER I (Washington Accord) accreditation for B. Tech. Mechanical Engineering
Programme. The department focuses on advanced areas like automation, robotics, composite materials and additive manufacturing.

State-of-the-art Facilities

- 3D Printing/Rapid Prototype
- Robotics Laboratory High Speed
- Bearing Testing Laboratory
- Advanced Materials Laboratory
- Design Laboratories
- CNC Machines Laboratory
- E Waste Management

Internship / project

- Volkswagen India
- Saarland University, Germany
- WABCO India
- Renault Nissan Automotive India
- Orleans University, France
- Sundaram - Clayton Continental Engines Ltd
- Tamkang University, Taiwan
- TAFE Ltd.,
- Hindustan Aeronautics Ltd.,
- National Cheng Kung University, Taiwan

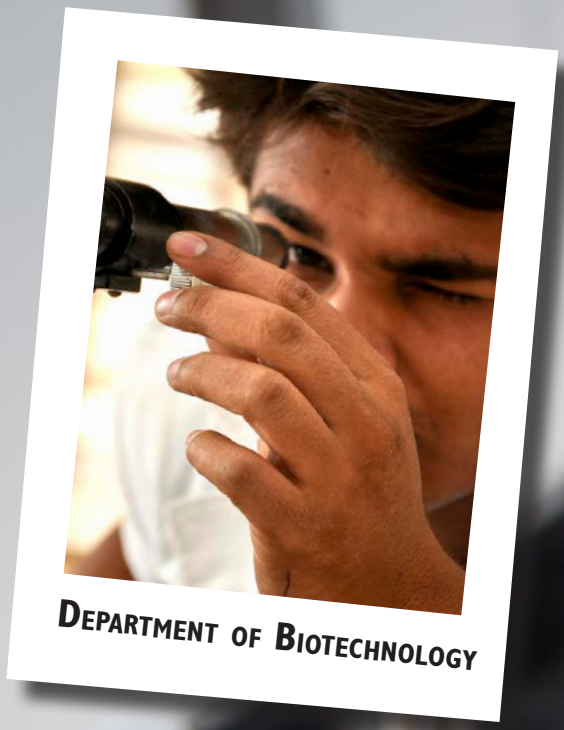
Our Alumni are working in reputed companies like

- Hyundai Motors
- Quest Global
- Caterpillar India
- TITAN Industries
- TATA Motors
- KONE Elevators India
- Renault Nissan India
- TCS
- Mitsubishi Hitachi Power Systems

Key Research Projects

- Design, Development and Formation Control of Micro Ornithopters
- Robotic Assisted Rapid Prototyping of Near Net Shape Components
- Full Field Non-Contact SHM Protocols for Long Span Railway Bridges and Heritage Structures
- ZnO Nanowire Modified carbon fibres for Interfacial studies & Energy Harvesting



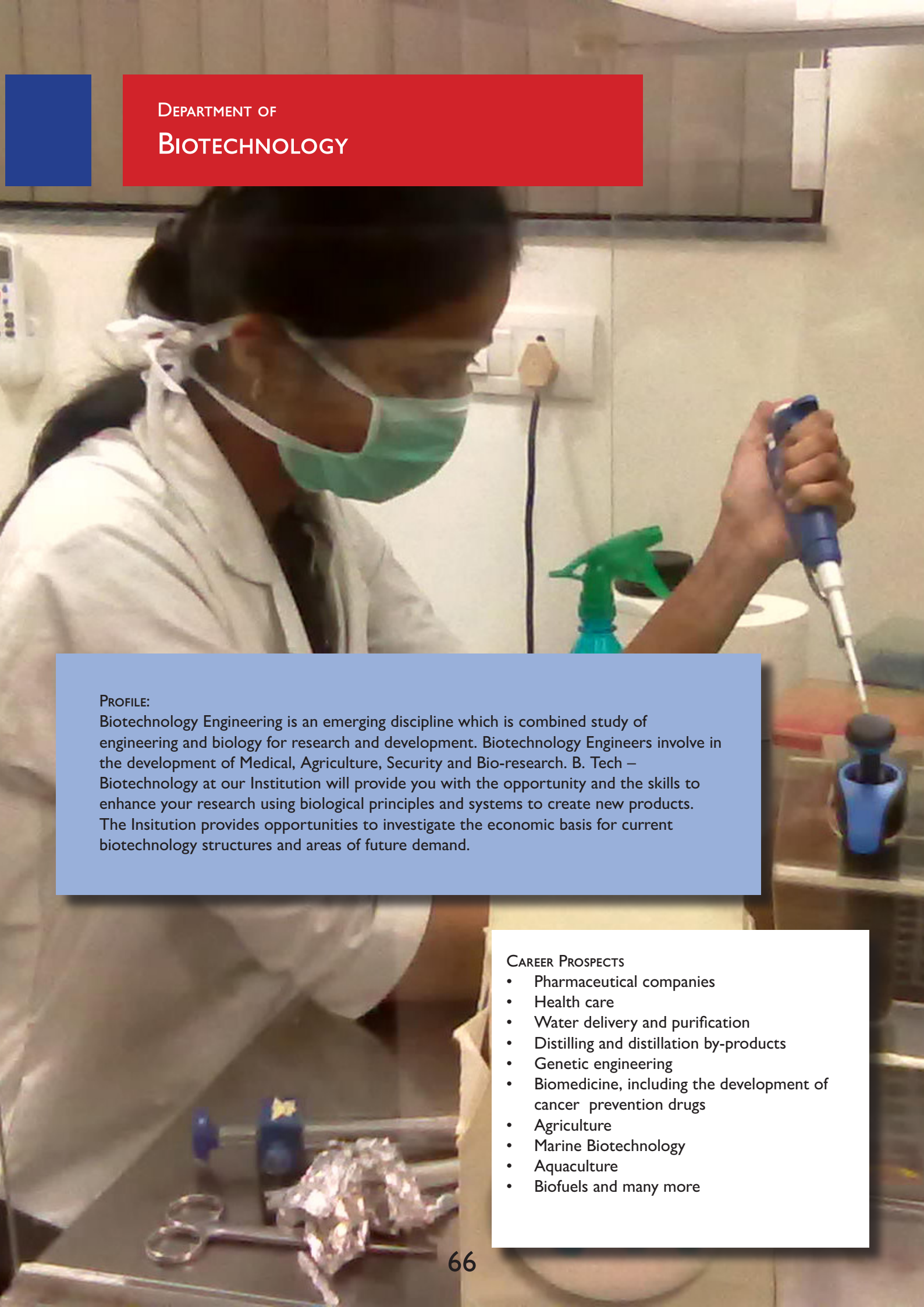


Department of Biotechnology



Department of Biomedical





Department of Biotechnology

Profile:
Biotechnology Engineering is an emerging discipline which is combined study of engineering and biology for research and development. Biotechnology Engineers involve in the development of Medical, Agriculture, Security and Bio-research. B. Tech – Biotechnology at our Institution will provide you with the opportunity and the skills to enhance your research using biological principles and systems to create new products. The Insitution provides opportunities to investigate the economic basis for current biotechnology structures and areas of future demand.

Career Prospects
- Pharmaceutical companies
- Health care
- Water delivery and purification
- Distilling and distillation by-products
- Genetic engineering
- Biomedicine, including the development of cancer prevention drugs
- Agriculture
- Marine Biotechnology
- Aquaculture
- Biofuels and many more



Department of
Biomedical Engineering

Profile

Biomedical Engineering involves in the development and manufacture of prosthesis, medical equipment, diagnostic devices and drugs. The department deals with the study of engineering laws and techniques that are applied in the medical sector. The curriculum taught prepares students to be field ready practicing engineering methods and theories to examine and resolve problems in Biology and Medicine thereby provide a complete enhancement to health care. Curriculum includes topics such as Bio-mechanics, Tissue and cellular engineering, Genetic engineering, Orthopedic surgery, Bio-instrumentation, Medical imaging and Bio-materials.

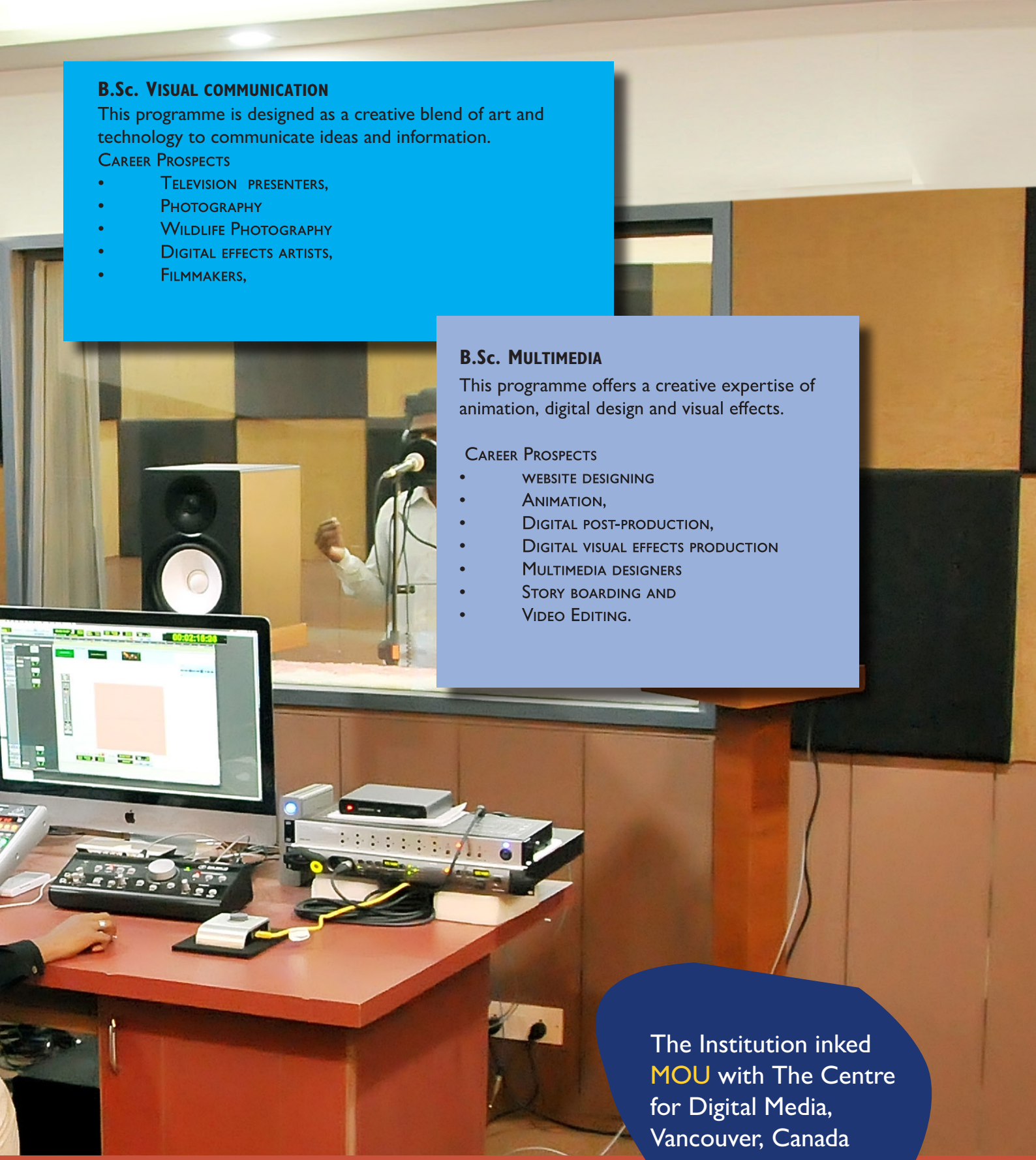
School of
MEDIA TECHNOLOGY AND COMMUNICATION

An ideal training ground for budding media professionals.

The School of Media Technology & Communication is an ideal training ground for media aspirants. The School caters to the increasing need for creative media professionals by offering a plethora of opportunities to learn and grow. Keeping abreast with the changing media environment, there is an increasing emphasis on hands-on-training and project based learning in a conducive environment in order to instill professionalism from the day one. With cutting-edge curriculum, learner-centric pedagogy, state-of-the-art facilities and expert guidance, students actively engage in producing creative work par excellence.



Media School Building



B.Sc. Visual communication

This programme is designed as a creative blend of art and technology to communicate ideas and information.

Career Prospects

- Television presenters,
- Photography
- Wildlife Photography
- Digital effects artists,
- Filmmakers,

B.Sc. Multimedia

This programme offers a creative expertise of animation, digital design and visual effects.

Career Prospects

- website designing
- Animation,
- Digital post-production,
- Digital visual effects production
- Multimedia designers
- Story boarding and
- Video Editing.

The Institution inked MOU with The Centre for Digital Media, Vancouver, Canada

State-of-the-art-facilities

- Television shooting floor - One of the largest in the city.
- Editing suite - MAC based master editing console.
- Multimedia Lab - High capacity computer networked labs with 2D/ 3D Animation softwares.
- Audio suite - MAC platform with Pro Tools to record with audio console.
- Photography Shooting floor - Equipped with high-end DSLR cameras and lights.

School of MANAGEMENT

School of Management offers outstanding management education to students each year.

A rigorous and Flexible Curriculum prepared to handle all kinds of market situations.

The goal of the Programme is to develop students as an innovative leader and imbibe the fundamental concepts.

The concept is built on competencies that are appraised by employers in the current market situation.

The TEAM of faculty and staff will work with you to achieve your professional goals and groom you as leaders who can inspire and influence the future business community.





B.Com.
This programme is designed to build competency in areas of business studies

Career Prospects

- Accountant
- Banker
- Auditor
- Lecturer
- Finance Consultant
- Insurance Consultant
- Event Manager

B.B.A.
This programme endeavours to make the students familiar with the
organizations environment and
management techniques

Career Prospects

- Business Consultants
- Business Development Executives
- Administrative Officers
- Business Analyst

School of
SCIENCES AND HUMANITIES



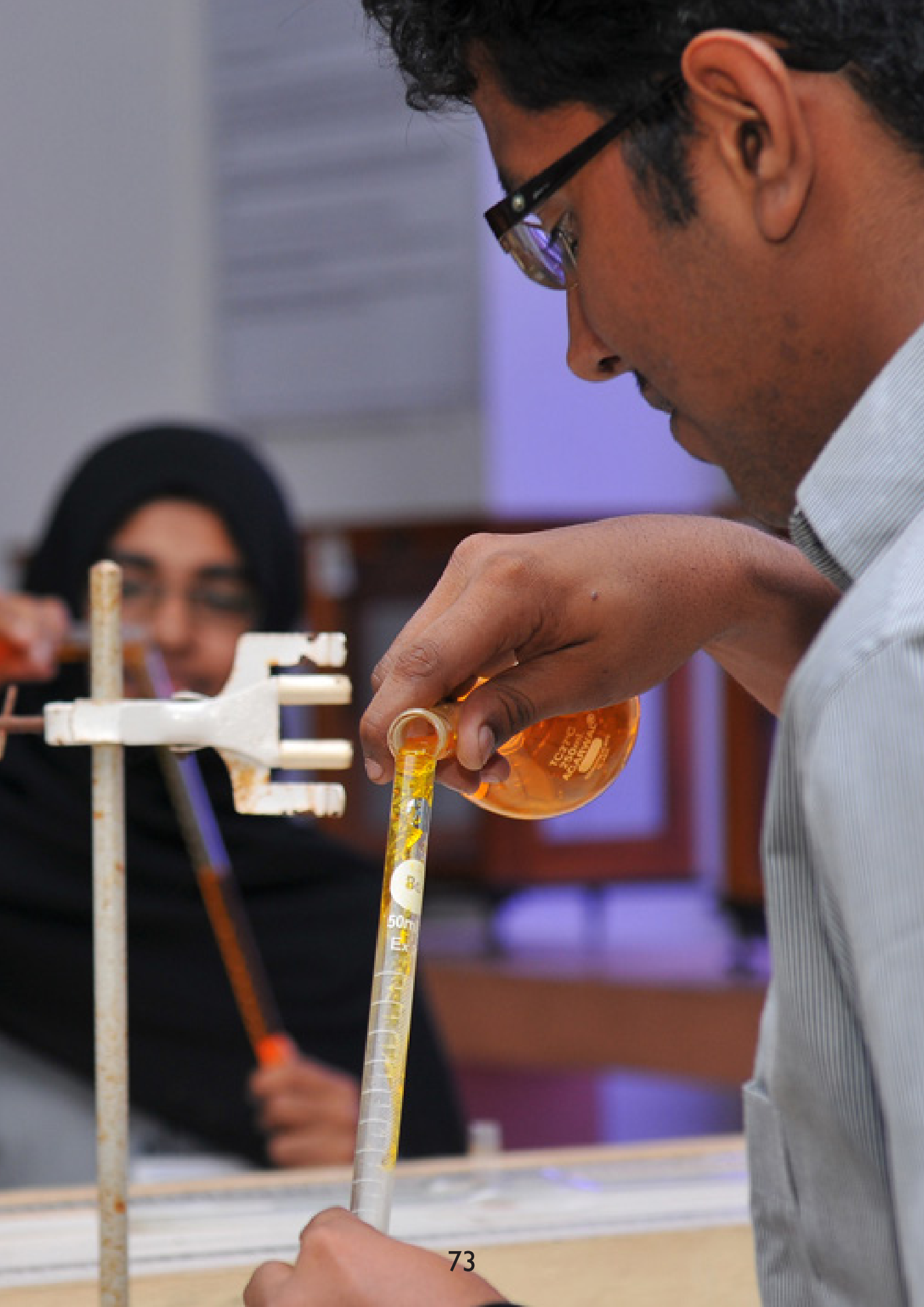
Prof. Dr. A.Abudhahir
Dean

SSH comprises of five departments namely, Physics, Chemistry, Mathematics, Biology and English. Most of the Professors, possessing more than a decade-long experience and with international teaching and post- doctoral research exposure, engage themselves in high quality research and excellent teaching.

SSH takes care of imparting fundamental knowledge and skills that are required for first year engineering students through Active Learning Methods, team projects, open-ended problem solving, experiential learning and engagement research which are the integral elements of engineering education. About 50 per cent of academic delivery process is happened through active learning methods such as Jig-saw, Think-Pair-Share and Peer Instruction.

Professors of SSH guide research scholars towards Ph.D and Post-doctoral programmes, published numerous research papers in high quality journals and authored text books which are followed in many institutions in India and abroad.

A passionate team of well-qualified professors with adequate competency in teaching skills facilitates students' learning uncompromisingly through Active Learning Methods such as Collaborative / Cooperative learning and Problem / Project Based Methods. The state-of-the-art active learning classrooms, equipped with student response devices, enhance the students' learning multifold.



PG Programmes

School of Computing

M.Tech. Big Data Analytics
M.Tech. Computer Science and Engineering
M.Tech. Information and Cyber Security
M.Tech. Network Engineering
M.Sc. Data Analytics

School of Electrical and Communication

M.Tech. Embedded Systems and Technologies
M.Tech. Power Electronics

School of Mechanical and Construction

M.Tech. Aeronautical Engineering
(Unmanned Aerial Vehicles)
M.Tech. Automobile Engineering
M.Tech. CAD/CAM
M.Tech. Construction Engineering and Management
M.Tech. Environmental Engineering
M.Tech. Geotechnical Engineering
M.Tech. Industrial Engineering
M.Tech. Industrial Safety and Engineering

School of Mechanical and Construction

M.Tech. Machine Design
M.Tech. Metallurgical and Material Science Engineering
M.Tech. Robotics
M.Tech. Structural Engineering
M.Tech. Thermal Engineering

School of Management Studies

M.B.A.

School of Sciences and Humanities

M.A. English
M.Sc. Chemistry
M.Sc. Mathematics
M.Sc. Physics



The Institution offers Value Added Courses to enhance the engineering and employability skills for students' to gain fair opportunity in the open market. Value Added courses offered are:

GATE/ IES/ Civil Service Training Courses

Vel Tech organizes GATE/ IES/ Civil Service coaching classes within the Campus. A Top notch faculty panel, with rich experience guide the students to realize their dream come true and to crack GATE/ IES/ Civil Service.

Coaching for Competitive Entrance Exams to Study Abroad

Many Universities around the world require GRE/TOEFL/IELTS results as part of their admissions process for postgraduate students. The test results help to identify strong candidates, best suited to the course.

- GRE is the most widely accepted graduate admissions test to gain admission for postgraduate study.
- The International English Language Testing System (IELTS) Universities in Australia, USA, UK, Ireland, Canada, Hong Kong and New Zealand require a certain level of English proficiency as a mandate requirement to study as an international student.
- Test of English as a Foreign Language(TOEFL) is a standardized test to measure the English language ability of non-native speakers wishing to enrol in English-speaking Universities abroad.

Coaching classes are conducted for these admission tests on campus by top notch faculty from reputed academies.

Industry Oriented Training courses

Students' are offered courses on campus in domains such as SAP, CCNA, engineering analysis, application/database security, identity management, CATIA/SIMULA/Innovia/Delmia certification courses, ETAP Electrical Circuit Design course etc with partner Institutes. Partner Institutes are SAP, CCNA, REDHAT, ANSYS, IBM, VOLTECH, Dassault Systems France, CISCO, EMC 2 , Microsoft and National Instruments Lab View etc

Language Proficiency Courses

Foreign language courses offered on campus for improving language proficiency of students. Coaching offered on: German, Japanese, Spanish, French and Mandarin.

Value Added Courses

Industrial Relations

Vel Tech is working with more than 2500 Industries and Research Institutes across the Globe for various Industry–Institute Interaction Activities such as Internships, Industrial Visits, In-Plant Trainings, Guest Lectures by Industry
Experts, Projects, Industry Recommended Electives, Placements for students of all the streams, Joint Degree Programmes, Internships for Faculty members, Joint Research & Consultancy Works, Establishment of Joint Centres and for Tailor made Programmes for Industry Professionals.

Joint Degree Programmes
Post Graduate Programmes (M.Tech and MBA) are offered in association with Pioneering Research Institutes and Industries. This opportunity provides students to undergo their programmes with Partnering organisation to gain hands-on experience in the latest technologies. Eleven such Programmes have already been launched and are being offered successfully.



Vel Tech, Avadi, Chennai signed an MoU with an industry from France FRANCECOL during the Partnership Summit 2017 with APEDB for developing e-bicycles

Joint Research Activities
The Institution has undertaken joint research activities with the funding support of the Institution / Industry / Government Funding Agencies.



Honourable Chief Minister of Andhra Pradesh Mr. N. Chandrababu Naidu, with E- Bicycle developed by Vel Tech

"JOIN THE PROFESSIONAL WORLD THROUGH US"



M.Tech & MBA joint degree programme with industry.

Industry Recommended Electives

The electives are introduced with credits to give students Industry exposure, which enhances their Placement opportunities in their specialised field of study..

Industrial Visits

Students are given exposure to different sectors of Industry such as IT, manufacturing and services, finance and marketing to help combine theoretical knowledge with industrial knowledge. More than 125 such Industrial Visits are arranged every academic year.
Objectives: providing students an insight of internal working of companies.
Aim: to go beyond academics, industrial visit provides student a practical perspective on the world of work.

In-Plant Training

These Summer and Winter Trainings give an opportunity for the students to have hands-on experience on Industry technologies for week-months duration. 80% of Students are deputed to more than 180 Industries across the Country every year.

Following are some of the Industries to highlight

Projects

70% of Final Year Project Work at Industries is arranged by the University. The projects are Innovative and Real-Time Works with respect to their Specialisation. Duration: 5-6 months guided by Industry Experts jointly with Faculty Guides. Some Students get opportunity to work in Industries Abroad. Student Projects are well appreciated by the Industry as they help contribute / supplement / improve their regular works. Some of the students were recruited by the same Industries based on their Performance and Contribution.

To highlight: An Industry appreciated that our students projects could help save an amount of Rupees 65 Lakhs.

Guest Lectures

Experts from Industries are invited regularly for sharing their Experience and Expertise with the Students. These lectures are mostly on the latest technologies with-in as well as beyond the Curriculum.

Domain experts from leading industries and Institutes are invited for knowledge sharing with the students. More than 150 Guest Lectures per Semester are being arranged for the Students.

Industrial Relations





PLACEMENTS

The Directorate of Campus to Corporate (DCC) makes every effort to groom the students with the aid of multiple training programs to make them Industry ready.

- Career counseling to the students from their first year of study
- Career path sessions with experts from Industries.
- Employability skill courses.
- Technical training
- Corporate mentoring
- Placement via internship and technical competitions like Accenture innovation challenge 2018, TATA INNOVERSE (TATA Innovation challenges), TCS EnQuode 2018, IBM CODE DAY etc.
- Coding club offers expert training for students who are keen in learning coding.














Dance Club

Arts and Drama Club

Karate Club

Sports

Environment Club

Robotics Club

Photography Club

Coding Club

CLUBS












Entreprenuership Club

Toastmaster Club

Computer Games Club

Music Club

ANNUAL EVENTS



LAVAZA '17

An Annual International Tech Cultural extravanza conducted by the Institution. A self evolving episode, by the war of intellectual brains.



IDAD

An event that focusses on designs and developments which are the aspirations of tomorrow's technologies for Aero, Auto Industries to be alive in the competitive world.



TDI DAY

Teaching Developers Initiative. Tamilnadu School teachers are trained in the use of digital tools and active learning methodologies to infuse effectiveness in academics, foster innovation and creativity.



VISAI '17

It is an Annual Mega Event conducted in the month of February. The project themes have been augmented to kindle innovative ideas that will have a big impact on the Grand Challenges of the Nation.

SPORTS













Vel Tech appreciates and recognises sports eminence of the candidates. Students with achievements in state/ national level Tournaments can avail concession in tuition fee. Write to admission@veltech.edu.in

FACILITIES



Vijaya Bank ATM





Boys Gym



Engine Testing Lab

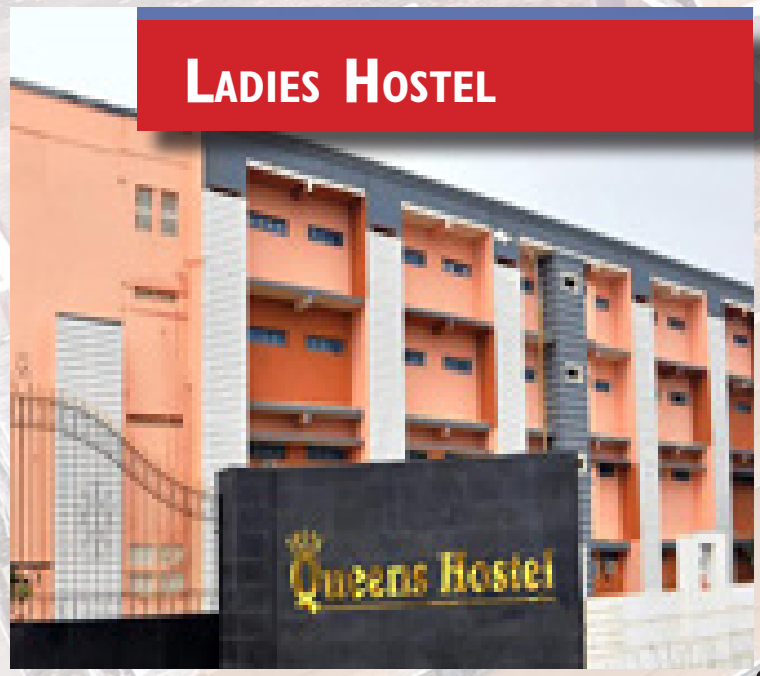
International Hostel





Library/ Digital Library

Ladies Hostel



Francecol Innovative Devices Lab





Girls Gym



CDIO Workspace

Lords Hostel Men





Prince Hostel Men



Tecnhology business incubator



Knowledge Resource Centre



Engineering Hive



INTL. Guest House



I am an Achiever & a Vel Techian, I cleared my IES in 2016. I believe Motivation is a very important parameter in one's life and I found my motivator at Vel Tech he was my guru Mr. H.K Singh from ECE department. The message I have for my Juniors is 'utilise that tremendous energy inside you, feel this energy and use this energy as a weapon to achieve your dreams. Good Luck Friends '.

Vaibhav,civil engg 2009-2013 batch.
Gate rank in 2013-AIR-919
Gate rank in 2014-207
Cleared IES 2016



I'm from Manipur, I complete my B.Tech in Electronics and communication with Vel Tech. This institution has given me an enriching experience which has made me a strong, confident, brave and a knowledgeable independent lady. I got placed in HCL technologies, I chose to work for a year and then moved on to do my Masters from Nagoya Institute of Technology, Japan.

RAJKUMARI IRENA DEVI
VtU1120 ECE 2010 – 2014
MASTER OF SCIENCE IN NANO TECHNOLOGY
NAGOYA INSTITUTE OF TECHNOLOGY
JAPAN



I feel very integrated in my class. Even the Professors do not hesitate to help us in understanding courses. When we want something, we just have to ask him, and we obtain what we wanted. I also really appreciate the comfort in the Guest House. The accommodations at the guest house are good and we also have the freedom to get out and in of the guest house whenever we want

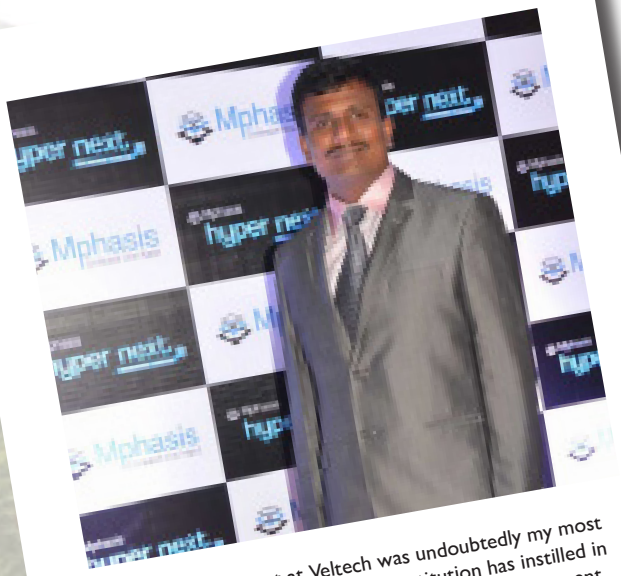
MARTIAL BLANCHET,
INSA (Institut National des Sciences Appliquees Centre Val de Loire), France.



I am placed with IBM and wipro. Iam grateful for the 100 % scholarship in tuition fee scheme, the nurture and care given to me.I am looking forward to what I have yet to conquer.

Rohit Kumar, Delhi
CSE department
Placed with IBM/ Wipro

TESTIMONIALS



"Those 4 years I spent at Veltech was undoubtedly my most rewarding and enjoyable years, the Institution has instilled in me a mind-set of critical thinking, continuous improvement and professionalism preparing me for the real world, here is where my foundation was laid towards building my skill sets, developing new and varied talents, definitely a place to learn and excel".

Company : Mphasis Limited
Designation : Project Manager
Role : Project Manager, Corporate Social Responsibility Chennai Head.



The amount of growth that happens at Veltech is amazing. Dedicated faculty tailored their pedagogical skills to nurture and equip me to become a successful person.

Dileep .J Kurian
Silicon Architecture Engineer
Intel



VELTECH UNIVERSITY amazed me, education was never to be a book worm but was theory implied to practical learning with hand on experience. I didn't feel lost in the crowd of students but special. I would cherish my 4 years of study till my last beat and would recommend my VELTECH UNIVERSITY to any student who wishes to grow not only technically but also as a responsible individual to the society.

S.UPPILI PRASANA
MS IN AUTO/INDUSTRIAL ENGINEERING
UNIVERSITY OF MICHIGAN, Dearborn. U.S.A



Unveiling of the Institutions INSIGNIA by Shri Gorantla Butuhaiah Choudary, MLA Rajahmundry Rural



Honourable Deputy CM Shri Nimmakayala Chinnarajappa Launched Vision 2021

To create, translate and share frontiers of knowledge embedded with wisdom and innovation for a positive transformation of emerging society

The Institution seeks to nurture the inquisitive minds of the students and to develop their talents, aptitude, skills, knowledge and critical thinking. It strives to develop the personal, social and professional values of the students

- Transformative Teaching - Learning
- Industry Integration
- Global Immersion/ Partnerships
- Multi-disciplinary Research
- Faculty Quality & Improvement
- Incubation and Entrepreneurship
- Excellence in Infrastructure
- Training & Career Development

ACADEMICS | **RESEARCH & INNOVATION** | **HUMAN RESOURCES & INFRASTRUCTURE**

GOVERNANCE WITH INTEGRITY

- NBA/ NAAC/ NIRF/ QS/ ABET Accreditations & Ranking
- CDIO Practices/ Active classrooms workspaces
- International/ Industry Collaborative research and Grand Engg. Challenges
- Joint PG/ UG Programs with Industries. Internships & Jobs
- NSS, NCC Teacher Training & Outreach programs
- NIDHI COE/ Technology Business Incubation

Framework of Vision 2021 & Strategic Plan



Best Innovator Award in TECHgium 2018



Among 9000+ participants from 220 colleges. Vel Tech student Mr. Vinai Kumar was a finalist and recognized as an Innovator in TECHgium, hosted by L&T Technology Services.







Vel Tech Students @ Sochi, Russia participated in the World Festival of Youth & Students





TOLL FREE: 1800 3070 6949



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