



## BULLETIN

### OFFICE OF INTERNATIONAL RELATIONS



Student's selected for 3+2 Master's Program at Partner Universities of Vel Tech. More details at Pg. 13



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## MESSAGE FROM DEAN INTERNATIONAL RELATIONS

Dear all,

As a dean of international relations, it gives me an Immense pleasure to reach you all through the newsletter 9<sup>th</sup> editions. Am happy to share that lot of students got opportunity in abroad universities like semester abroad program, research internships at renowned institutes, and research laboratories, higher study opportunities through exchange program. The highlight of this editions 6 of our students got Internship through MITACS Global link Research internship under the supervision of eminent professors from top Canadian universities. In total 67 students taken up their semester abroad program at our partner universities. From our department organized a bundle of events for the students, faculties, and research scholars to fulfil their aspiration of abroad studies with help of our partner universities, educational representatives, and language partners. Vel Tech has entered new collaboration with top universities, IELTS, ETS and much more. On this occasion I urge you to read this new letter to get more insights and our success stories. In this forum I render my heartiest thanks to our management, all the renowned partners, supports, well-wishers for their timely support.

**\*\*\*Readers fasten your seat belts to have a happy reading\*\*\***

**Dr. Suresh Ponnar**

Dean - Office of International Relations, Vel Tech

## TEAM INTERNATIONAL

**Dr. P. Suresh**

Dean – International Relations & Professor – Electronics and Communication Engineering

**Mr. R. Prabhakar**

Advisor - Europe Relations

**Mr. T. Rameshkumar**

In-Charge of Faculty Mobility and Joint Programmes

**Mr. M. Manikandan**

In-Charge of 3+2 Program, Master's Progression Programme, MoU's Management

**Ms. A. G. Vaishnavi**

In-Charge of Student Mobility (Outgoing & Incoming) & Research Internships

**Mrs. P. Kameshwari**

In-Charge of FRRO & International Students Support

**Mr. J. Dinesh**

Executive Assistant & In-Charge of Office Management



## MEMORANDUM OF UNDERSTANDINGS (MOU'S)

### Tamkang University, Taiwan [Feb'22]



Tamkang University is a private university in Tamsui District, New Taipei City, Taiwan. It was founded in 1950 as a junior college of English literature. From its humble beginnings as one of the first schools of higher education in Taiwan, TKU now has four campuses: the Tamsui Campus, the Taipei Campus, the Lanyang Campus, and the Cyber Campus. Today, Tamkang University has 11 colleges comprising 47 departments and divisions, 50 master's programs, and 17 doctoral programs. The total student enrolment is 28,075 and the number of faculty and staff members is 2,288.

Over 70 years, since its foundation, TKU has focused on developing academic research, teaching, and learning services with an innovative spirit. It was the first university in Taiwan to employ Total Quality Management.

An MoU is signed for a period of 5 years for the Dual degree program (3+2 Program). Students will spend 3 years in Vel Tech and 2 years in Tamkang University for getting their Bachelor and master's degree. Also, this MoU will be focused for the faculty exchange for the technical updates, joint research collaboration. Tamkang University is ranked 1201-1400 in the world, 301-350 in the Asia in 2022 QS World University Rankings and ranked 1201+ in the world in THE World University Rankings.

### Technische Hochschule Köln (TH Köln), Germany [Feb'22]

**Technology  
Arts Sciences  
TH Köln**

TH Köln – University of Applied Sciences is an institute of higher education located in Cologne, Germany, established in 1971. TH Köln is the largest University of Applied Sciences in Germany by number of students, annually about 6,500 students take up their studies at TH Köln.

Overall 27,000 students from about 120 different countries along with 440 professors and 2,000 staff employ their potential. More than 100 degree programs are offered as full-time programs or in some cases as career-integrated or part time programs.

TH Köln closely collaborates with local, national and international cooperation partners, including 290 international institutions of higher education. The university offers its researchers an attractive sphere of activity. The quality seal "HR Excellence in Research" awarded by the European Commission certifies that TH Köln meets international standards in the field of human resources development.

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### National Kaohsiung Normal University (NKNU), Taiwan [Jan'22]

The National Kaohsiung Normal University founded in 1967, is a public university located in Kaohsiung, Taiwan. The university has two campuses, Ho-Ping and Yen-Chao. The University currently has five colleges namely College of Education, College of Humanities, College of Science, College of Technology, and College of Arts.



An MoU is signed for a period of 5 years for the exchange opportunities for students from each institution at undergraduate and graduate levels, Faculty and staff exchanges, and joint research and service activities.



## TED University, Turkey [Jan'22]



TED University (TEDU) is a young, dynamic university, located in the heart of Ankara. It was founded in 2012 by the Turkish Education Association (TED), which has been pioneering the development of education in Turkey since 1928. The university consists of five faculties: architecture, arts and sciences, economics and administrative sciences; education and engineering. TEDU Ranks at the 1st Place among foundation universities in Ankara at THE Impact Ranking! Vel Tech and TED University encourage the development and implementation of Student exchange programs on terms that will be designated by special agreements; Faculty/staff exchange programs; Visiting scholars/tutors to give lectures, participating in conferences, conducting seminars, master classes, consultations, internships, research and other events; Cultural exchange programs; Cooperative/collaborative research projects in areas of mutual interest, preparation and publication of joint scientific papers, monographs and other educational and scientific materials; Joint organization of conferences, forums, seminars, inviting scientists from the partner University to international events to be held at the partner University; Cooperative and exchange lecturing plans and lecture content, conferences and seminars; Academic supervision of graduate/post-graduate students; Cooperative double degree programs; Joint summer programs at respective campuses; Short-term training programs/projects, summer/ winter schools and service-learning programs; and Exchange of academic information.

management. The extensive company and university network allows students of HdWM to gain practical and international experience during their studies.

The MoU is signed for a period of 5 years in the implementation (teaching or training) of existing or newly created programs, Coordinate the teaching/training staff and students. **The objective is to develop a double degree program, Indian or German student's mobility against fees payment, participate in the preparation of grants availability, and participate in exchange visits, applied research and consultancies.**

## University Sains Islam Malaysia, Malaysia [Apr'22]



Universiti Sains Islam Malaysia (USIM) is an emerging Islamic university which is fully owned and funded by the Malaysian Government. Being the 12th Public Institution of Higher learning, it aims to spearhead knowledge and be the global reference centre for Islamic Science. The MoU is signed for a period of 5 years in Joint research Activity focusing on cyber security, Faculty and Student Mobility, International internship Placement, Funded Research Collaboration, Organization of seminars, workshops, and other meetings on specific topics, knowledge sharing and any other projects that shall be mutually identified and agreed by both parties at a later stage.

## Ming Chi University of Technology, Taiwan [May'22]



Ming Chi University of Technology is a private university of technology in New Taipei, Taiwan. Established in 1963, it currently consists of three colleges: College of Engineering, College of Environment and Resources, and College of Management and Design. MCUT has been consistently regarded as one of the top technical and vocational universities in Taiwan and is well known for its co-operative training programs. The MoU is signed for a period of 5 years for the Dual degree programs that 3+2 Program in Industrial Engineering and Management. Students will spend 3 years in Vel Tech and 2 years in MCUT for getting their Bachelor and Master's degree.

## University of Applied Management Studies, Germany [Jun'22]



HOCHSCHULE DER WIRTSCHAFT  
FÜR MANAGEMENT  
UNIVERSITY OF APPLIED  
MANAGEMENT STUDIES

The University of Applied Management Studies, or 'Hochschule der Wirtschaft für Management' (HdWM) is a state-approved, private university of applied sciences in Mannheim, Germany. Since 2011, the university offers practical oriented bachelor's and master's degrees with a special focus on

## De Vinci Higher Education, France [Jun'22]



Leonardo de Vinci University Center (Pôle universitaire Léonard de Vinci), is a French private university cluster located at Paris. The cluster was a private French higher education institution. Originally, it was financed mainly by public funds. The cluster is now managed by the Leonardo da Vinci Association (ALDV). The Leonardo de Vinci University Center has been EESPIG certified since January 10, 2018.

The MoU is signed for a period of 5 years in the articulation agreement 3+2 to obtain a French master's degree (fee-paying, degree-seeking), articulation agreement 4+1 to obtain a Master of Science (MSc) degree (fee-paying, degree-seeking), and articulation agreement 1+1 to obtain a Master of Science (MSc) degree (fee-paying, degree-seeking)

## ETS India Private Limited, India [Jun'22]



ETS India is a wholly owned subsidiary of Educational Testing Service (ETS), the world's largest private educational testing and measurement organization and a leader in educational research. ETS, headquartered in Princeton, NJ USA, is dedicated to serving the needs of individuals, educational institutions, and government bodies in nearly 200 countries. ETS develops and administers more than 12 million tests worldwide on the behalf of clients in education,

government and business.

The MoU is signed for a period of 5 years for providing the following to Vel Tech students, Webinars / Seminars on GRE & TOEFL; GRE & TOEFL Master class; GRE & TOEFL Workshop for English language faculty; One GRE & TOEFL Corner / Lab sponsored by ETS India at the Vel Tech campus giving access to students of Vel Tech to prepare for the test\* (Based on availability of space and approval from ETS), \$10 TOEFL discount voucher for Vel Tech students; TOEFL Mock tests; Invitation to participate in any promotions, training programs or Olympiad organised by the ETS India resource centre DP Cube learning & Skills for the Vel Tech students.

## INTERNATIONAL EVENTS AND GUEST LECTURE SERIES

### Vel Tech International Education Fair 2022

Office of International Relations at Vel Tech organized the "Vel Tech International Education Fair 2022" during 1st - 4th March, 2022 at Vel Tech campus. The Education Fair was organized with an aim to create Higher Studies Opportunity for Vel Tech Students at Foreign Universities. The International Education Fair was organized along with Vel Tech Partner Universities, Foreign Government Organizations and Educational Consultancies.

*The following events are conducted by both Online & Offline during the International Education Fair.*

#### Day 1: 01.03.2022

##### Session 1 Information Session by University of Detroit Mercy, USA (Online)

**Mr. Adithya Thalapalli** from Gurukul Overseas and UDM Representative explained about the Master's admission requirements, Fees structures and scholarships at University of Detroit Mercy, USA. Mr. Adithya had individual interactions towards clarification of the students' doubts at the end of the session. The session was conducted between 9.30 AM and 10.30 AM and was attended by more than 50 students.

##### Session 2 Information Session by La Trobe University, Australia (Online)

**Dr. Naveen Chilamkurti**, Associate Dean (International Partnerships), Head of Cybersecurity Discipline, School of Computing, Engineering and Mathematical Sciences, La Trobe University, Australia explained about the Master's Progression Program with Vel Tech and its benefits to the students. The session was conducted from 11.30 AM to 12.30 PM. More than 50 students attended and clarified their doubts at the end of the session.

### **Session 3: Information Session by National Chin-Yi University of Technology, Taiwan (Online)**

**Ms. Vivian Chao** from Office of International Affairs, National Chin-Yi University of Technology, Taiwan presented the various opportunities for Vel Tech students including TEEP Internships and Master's Opportunity at NCUT. **Ms. Vivian** explained about the application process and requirements for all the opportunities and clarified the student's queries at the end of the session. The session was conducted from 2.30 to 3.30 PM and was attended by more than 50 students.

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### **Day 2: 02.03.2022**

#### **Session 1 Information Session by United States India Education Foundation (USIEF) (Online)**

**Ms. Maya Sundararajan**, Regional Officer, United States India Education Foundation (USIEF), Chennai explained about the various fellowships and scholarships in the United States to the Faculty and Research Scholars of Vel Tech. Ms. Maya also briefed about the process of application and requirements. The session was conducted from 2.30 to 3.30 PM and more than 30 Faculty and Research Scholars were benefitted from this session.

#### **Session 2 Information Session by Campus France Chennai (Offline)**

**Ms. Shruthi Miriam Joseph**, Co-Manager, Campus France Chennai visited Vel Tech and brought to light various Master's scholarships at France. Students were clarified about the application process and its requirements. The session was conducted from 4.00 to 5.00 PM and more than 25 students got benefited from this session.

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### **Day 3: 03.03.2022**

#### **Session 1 Information Session by DAAD - German Academic Exchange Service (Online)**

**Ms. Padmavathi Chandramouli**, Regional Officer, DAAD Information Point Chennai illustrated about the Internships, Higher Studies and further opportunities at Germany. **Ms. Padmavathi** also briefed about the Master's Scholarships to Vel Tech students and clarified the students' questions at the end of the session. The session was conducted between 4.00 and 5.00 PM and more than 50 students got benefited from this session.

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### **Day 4: 04.03.2022**

#### **Session 1 Information Session by Tamkang University, Taiwan (Online)**

**Dr. Jung-Jieh Yang**, Professor - Department of Mechanical and Electromechanical Engineering, Tamkang University, Taiwan presented the Higher Education opportunities with scholarships at Tamkang University. Besides, **Prof. Yang** explained about the 3+2 Program with Vel Tech and its benefits to the students and encouraged them to apply for the program. The session was conducted from 2:30 to 3:30 PM and more than 50 students got benefited from this session.

#### **Session 2 Information Session by University of Wisconsin-La Crosse (Online)**

**Dr. Kasilingam Periyasamy**, Professor and MSE Program Director, Department of Computer Science, University of Wisconsin-La Crosse explained about the Master's Program at UW-La Crosse. **Prof. Kasilingam** also disclosed about the Master's Progression Program with Vel Tech and its benefits to the students. The session was conducted during 4:00 to 5:00 PM. Students clarified their doubts at the end of the session and more than 50 students attended the session.

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In addition to the above information session, Vel Tech has invited the leading Educational Consultants to provide the information about the Master's Program at various countries and also made clear about the various English Language Test & its application process to the students. Students were provided with separate counselling with the programs of their specific interest. The following Educational Consultants participated in the Vel Tech International Education Fair 2022 between 1st & 2nd March, 2022.

- |                            |                               |
|----------------------------|-------------------------------|
| ➤ IDP Education            | ➤ Education Matters           |
| ➤ Manya Education          | ➤ Jamboree Education          |
| ➤ Azent Overseas Education | ➤ Galaxy Education Consultant |



**Vel Tech**  
Rangarajan Dr. Suganthika  
RSD Institute of Science and Technology  
(Awarded by the University Grants Commission of India)

Office of International Relations  
**Organizes**

**Vel Tech International Education Fair 2022**

Find out Information on Scholarships, Masters & PhD Programs, IELTS, TOEFL, GRE, PTE, etc.,

**DATE** 1<sup>st</sup> - 4<sup>th</sup> March, 2022  
**VENUE** at University Campus

LEARNING - COAL  
SCHOOL - TEACHING - KNOWLEDGE

**YOUR GATEWAY TO THE FUTURE**

**Our Partner Universities**

1. University of Detroit Mercy, USA	4. Tamkang University, Taiwan
2. University of Wisconsin - La Crosse, USA	5. National Chin-Yi University of Technology, Taiwan
3. La Trobe University, Australia	

**Foreign Government Authorised Agencies**

1. German Academic Exchange Services (DAAD), Chennai
2. United States India Education Foundation (USIEF), Chennai
3. Campus France India, Chennai

**Educational Consultancies**

1. IDP Education, Chennai
2. Mapya Education, Chennai
3. Ascent Overseas Education, Chennai
4. Education Matters, Chennai
5. Jamboree Education, Chennai
6. Galaxy Education Consultant, Chennai

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## International Guest Lecture Series



**Assoc. Prof. Ir. Ts. Dr. Deepak Tirumishi Jada**, Associate Professor, Department of Civil Engineering, Manipal International University, Malaysia delivered the Virtual Guest Lecture on “Professional Skills for Civil Engineers” to the students from the Department of Civil Engineering on April 7, 2022.



**Prof. Dr. Raju Aedla**, Research Scientist (Remote Sensing and GIS), Global Center for Natural Resources Sciences, Kumamoto University, Japan delivered the Virtual Guest Lecture on “Remote Sensing and Image Processing” to the students from the Department of Electronics & Communication Engineering on April 11, 2022.



**Er. Hareesh Janakiraman**, Embedded Engineer, Texas Instruments, USA visited Vel Tech on 26th April, 2022 and delivered the One Day Workshop on “Embedded Systems and Recent Advances”

to the students from Department of Electronics & Communication Engineering.



**Ms. Vidya Suresh**, Head, South Asia Office, ESIGELEC, France visited Vel Tech on 18th April 2022, delivered a Guest Lecture to the students from Master of Business Administration, Department of Mechanical Engineering and PhD Scholars on “How to Write the Standard SOP & CV” & “Opportunities at ESIGELEC, France”



**Dr. S. Arokiaraj**, Assistant Professor, Department of Food Science and Biotechnology, Sejong University, South Korea delivered a Virtual Guest Lecture on “Recent Advances in BioTech and their Scope in South Korea” to the students of the Department of Biotechnology & Department of Biomedical Engineering on May 6, 2022.

## Short Courses by International Visiting Faculty

**Prof. Dr. Jey Chelladurai**, Assistant Professor - Computer Science Department, East Stroudsburg University, USA delivered the short course to the students from Department of Information Technology during March 7 to 11, 2022 on “Introduction to Data Sciences”. The short course was attended by 32 students.



**Prof. Dr. Jey Chelladurai**, Assistant Professor - Computer Science Department, East Stroudsburg University, USA delivered the short course to the students from Department of Computer Science & Engineering during March 7 to 11, 2022 on “GUI Design using iOS”. The short course was attended by 31 students.





**Prof. Dr. Saad Mekhilef**, Professor, Department of Electrical Engineering, University of Malaya, Malaysia delivered the Virtual Short Course on “Grid Connected Photovoltaic System Design” to Electrical and Electronics Engineering students during March 7 to 11, 2022. The short course was attended virtually by 34 students.



**Prof. Dr.-Ing. Elena Lopez**, Division Manager Additive Manufacturing, Fraunhofer Institute for Material and Beam Technology IWS, Germany delivered the Virtual Short Course on “Applications of 3D Printing in Heat Transfer” to Mechanical Engineering students during March 10 to 16, 2022. The short course was attended virtually by 61 students.



**Prof. Dr. Sharifa Akmam Syed Zakaria**, Associate Professor, School of Civil Engineering (SOCE), Universiti Sains Malaysia, Malaysia delivered the Virtual Short Course on “Cost Estimation and Quantity Surveying” to Civil Engineering students during April 1 to 23, 2022. The short course was attended virtually by 22 students.



**Prof. Dr. Abdul Hakim Salleh**, Universiti Sains Malaysia, Professor & Research Officer, School of Civil Engineering, Universiti Sains Malaysia, Malaysia delivered the Virtual Short Course on “Advanced/ Modern Surveying Techniques” to Civil Engineering students during April 3 to 24, 2022. The short course was attended virtually by 34 students.



**Prof. Dr. Ahmed Abdelgewad**, Associate Professor of Computer Engineering, Central Michigan University, USA delivered two Virtual Short Courses to Electronics and Communication Engineering students during April 4 to 8, 2022 on “IoT and Artificial Intelligence” was attended virtually by 62 students and during April 18 to 22, 2022 on “IoT- Sensors, Communication Technology & Protocols” was attended virtually by 62 students.



**Prof. Dr. Fan Su-Ling**, Associate Professor, Department of Civil Engineering, Director - Research Development Center of Construction Law, Tamkang University, Taiwan delivered the Virtual Short Course on “Latest Trends in Construction” to Civil Engineering students from April 4 to 8, 2022. The short course was attended virtually by 61 students.



**Prof. Ts. Dr. Saravanan Muthaiyah**, Professor, Information Technology, Multimedia University, Malaysia delivered two Virtual Short Courses to Information Technology Students during April 18 to 22, 2022 on “Data Analytics & Business Intelligence” was attended virtually by 53 students and “BlockChain Crypto Currencies and Smart Contracts” was attended virtually by 44 students.



**Prof. Dr. Celestine Iwendi**, Research Coordinator, Senior Lecturer, School of Creative Technologies, University of Bolton, United Kingdom delivered the Virtual Short Course on “Artificial Intelligence for IoT” to Electronics and Communication Engineering students during April 11 to 22, 2022. The short course was attended virtually by 61 students



**Prof. Dr. Naveen Chilamkurti**, Associate Dean (International Partnerships), Head of Cybersecurity Discipline, School of Computing, Engineering and Mathematical Sciences, La Trobe University, Australia delivered two Virtual Short Courses to Electronics and Communication Engineering students during April 20 to 26, 2022 on “Smart Grid Communication Security” was attended virtually by 62 students and during April 29 to May 4, 2022 on “Security and Privacy in 6G Networks” was attended virtually by 66 students.



**Prof. Dr. Raju Aedla**, Research Scientist (Remote Sensing and GIS), Global Center for Natural Resources Sciences, Kumamoto University, Japan delivered the short course to the students from Department of Electronics & Communication Engineering on “Remote Sensing and Digital Image Processing” during May 20 to 24, 2022. The short course was attended by 49 students.



**Prof. Dr. Biju Bajracharya**, Assistant Professor - Cybersecurity, Department of Computing, East Tennessee State University, USA delivered the Virtual Short Course on “Security Essentials of Cyber Attacker” to Electronics and Communication Engineering students during May 9 to 13, 2022. The short course was attended virtually by 67 students.



**Prof. Dr. Jey Chelladurai**, Assistant Professor - Computer Science Department, East Stroudsburg University, USA delivered the short course to the students from Department of Electronics & Communication Engineering during May 23 to 25, 2022 on “Real Time Systems and Internet of Things”. The short course was attended by 39 students.

## International Professor Interaction with Faculty Members



**Prof. Dr. Raju Aedla**, Research Scientist (Remote Sensing and GIS), Global Center for Natural Resources Sciences, Kumamoto University, Japan had an interaction with **Dr. P. Esther Rani**, HoD - ECE and Faculty members of Electronics & Communication Engineering Department on May 24, 2022 regarding new course delivery and for possible research collaborations.

**Prof. Dr. Jey Chelladurai**, Assistant Professor - Computer Science Department, East Stroudsburg University, USA had an interaction with **Dr. P. Esther Rani**, HoD - ECE and Faculty members of Electronics & Communication Engineering Department on May 26, 2022 regarding new course delivery and for possible research collaborations.



## Founders Foreign Study Scholarships

Founders Foreign study scholarship is awarded to the students who are got an opportunity to do their research work, project work and semester abroad. 5 students were got the Founders Foreign Study Scholarship.

S. No.	VTU No.	Name of the Student	Department	Type of Study	Universities
1	VTU11462	Ms. Simron Biswas	Aero	SAP	University of Orleans, France
2	VTU12882	Mr. Swagat Devadas Patil	Mech	SAP	University of Applied Science Dusseldorf, Germany
3	VTU11732	Mr. Rohan Thokchom	Mech	SAP	University of Applied Science Dusseldorf, Germany
4	VTU14308	Ms. Hasitha Gunnam	ECE	SAP	University of Tours, France
5	VTU12212	Mr. Andey Dhanunjai Sai Kumar	CSE	SAP	University of Tours, France

## DELEGATES VISIT TO VEL TECH

### Delegation from Kristianstad University, Sweden

**Prof. Dr. Daniel Einarson**, Senior Lecturer, Computer Science Department, Faculty of Natural Sciences, Kristianstad University, Sweden visited Vel Tech during 22<sup>nd</sup> - 23<sup>rd</sup> April, 2022 as a Guest of Honor and to deliver a keynote address and in "IEEE International Conference On Electronic Systems And Intelligent Computing (ICESIC-2022)" organized by Department of Computer Science and Engineering. Prof. Daniel also visited Office of International Relations and met the students working under his guidance in the internship for the brief explanation on project related concepts. Prof. Daniel had a discussion regarding new course delivery and for possible research collaborations.



### Delegation from De Vinci Higher Education, France

**Mr. Milind Singh**, Area Manager- South Asia, International Business Development Department, De Vinci Higher Education, France visited Vel Tech during 11<sup>th</sup> May, 2022 to discuss the possibilities of collaborations and further discussion on strengthening the ties in areas of mutual interest.

### Delegation from IDP Education, Chennai

**Mr. Rajesh Ravichandran**, Manager - Business Development and **Ms. Lavanya Alagarsamy**, Assistant Manager - IELTS Operations (Tamil Nadu) of IDP Education India Pvt Ltd visited Vel Tech on 28<sup>th</sup> April, 2022 to discuss the possibilities of collaborations. **Dr. P. Suresh**, Dean - International Relations had a brief interaction with members of IDP and proposals were initiated for Vel Tech to become an IDP Nodal Partner for IELTS registration.



## Delegation from ETS India Private Limited, India

**Mr. Lejo Oomen**, Managing Director - ETS India, **Ms. Tanya Bajaj**, Director Client Relations - GRE, **Mr. Pawan Adhikari**, Founder DP Cube, ETS India Resource Centre and **Mr. Karthik Rajasekaran**, Head - Business Development of ETS India Private Limited visited Vel Tech to exchange the MoUs with **Dr. S. Salivahanan** - Vice Chancellor, **Dr. P. Suresh**, Dean - International Relations and **Dr. V. S. Hemakumar**, PS to Vice Chancellor for providing the exclusive services of GRE & TOEFL Workshop, Seminars, Masterclass to Vel Tech students and initiated the plan to establish GRE & TOEFL Lab sponsored by ETS at Vel Tech campus. Members of ETS India also had a brief interaction with Vel Tech faculty members regarding the training & workshop for faculty members to be a part of ETS coaching provided at Vel Tech campus.



## Virtual Meetings with International Institutions

The Virtual Meeting is held with various Institutions and Research organization listed below for Research Collaboration, Faculty Mobility, Students Mobility, Master Progression, 3+2,3+1+1,2+2,1+1 Programme, Joint Funding and Many more...

S. No.	Date	Name of Delegates	Institute / Organizations / Research Labs
1	06.01.2022	Prof. Naveen Chilamkurti	La Trobe University, Melbourne, Australia
2	21.01.2022	Prof. Adam Quotb	INP Toulouse, France
3	28.01.2022	Ms. Vivian	National Chin Yi University of Technology, Taiwan
4	03.02.2022	Ms. Jessica	Windsor, Canada
5	26.02.2023	Prof. Adam Quotb	INP Toulouse, France
6	28.02.2022	Prof. Dr. M. Sridhar Ms. Di Ma Mr. Brahim Medjahed	University of Michigan Dearborn, USA
7	01.03.2022	Prof. Naveen Chilamkurti	La Trobe University, Melbourne, Australia
8	22.04.2022	Mr. Milind Singh	De Vinci Higher Education, France
9	29.04.2022	Dr. Francois – Xavier Mortreuil Dr. Anupama Ambika Anilkumar Ms. Shruthi Miriam Joseph Mr. Ajitkumar Rajkumar	Campus France, Chennai
10	25.04.2022	Prof. Raymond Lee Mr. Joe Hall Ms. Anamika Saxena	University of Portsmouth, UK
11	01.06.2022	Prof. Daniel Einarson	Kristianstad University, Sweden
12	03.06.2022	Prof. Abrignani Emeric Mr. Tripathi Prayag	KEDGE Business School, France

## HIGHER STUDIES

### 3+2 Program

(Bachelor Degree from Vel Tech and Master Degree from Partner University)

#### Ming Chi University of Technology, Taiwan

5 Vel Tech students of Batch 2019-23 have been selected for pursuing their Master's Degree at Ming Chi University of Technology, Taiwan during the 3rd year of their Undergraduate Studies. The selected students will undergo their Final Year Project Work and enrol for Master's Program at MCUT and after the completion of B.Tech Degree at Vel Tech, students will continue their Master's Program at MCUT. The selected students' details are as follows,



Sl.No.	Name of the Student	VTU No.	Dept.	Master's Specialization
1	Raviliseti Durga Kanaka Sainadh	13646	ECE	Electronic Engineering
2	G. Pavansai	13109	Auto	Safety, Health, & Environmental Engineering
3	Nevuluri Harikrishna	13229	Auto	Safety, Health, & Environmental Engineering
4	Thatigotla Keerthi Reddy	13720	Aero	Mechanical Engineering
5	Anindita Bhar	16504	Biotech	Chemical Engineering

#### Tamkang University, Taiwan



10 Vel Tech students of Batch 2019-23 have been selected for pursuing their Master's Degree at Tamkang University, Taiwan during the 3rd year of their Undergraduate Studies. The selected students will undergo their Final Year Project Work and enrol for Master's in Mechanical and Electromechanical Engineering at Tamkang University and after the completion of B.Tech Degree at Vel Tech, students will continue their Masters' Program at Tamkang University. The selected students' details are as follows,

Sl.No.	Name of the Student	VTU No.	Dept.
1	Penubarathi Guru Varun	11556	Mech
2	Shaik Shahul	12780	Mech
3	Shaik Mahammed Inthiyaz	15851	Mech
4	Yeruva Maheswarareddy	11571	ECE
5	Yakkanti Venkata Sri Charan Reddy	11823	ECE
6	Kotapati Venkata Sasi Kiran Reddy	11572	ECE
7	Shaik Sameer	15759	ECE
8	Suggu Deepika	15431	ECE
9	S. Akshaya Sai	15080	ECE
10	Sura Chandresh Reddy	11576	ECE

## STUDENT MOBILITY

### Semester Abroad Programme (SAP)

ACADEMIC YEAR

2021-22

65 students from 2018-2022 Batch and 2 students from 2019-2023 Batch completed their Project Work/Internships (Offline & Online) at Research Organisations and Universities in abroad.

#### Hochschule Düsseldorf - University of Applied Sciences, Germany



Two Students from the Department of Mechanical Engineering completed their Major Project under Student Exchange Program at Hochschule Düsseldorf - University of Applied Sciences, Germany.

**Mr. Swagat Devadas Patel** (VTUI2882) and **Mr. Rohan Thokchom** (VTUI1732)

worked on the project titled

“To Study and Analyze the Roughness of 3D Printed Inner Surface of the wind tunnel” under the guidance of **Prof. Dr.-Ing. habil. Ali Cemal Benim**, Professor - Faculty of Mechanical and Process Engineering, Head - Center of Flow Simulation (CFS), University of Applied Sciences Düsseldorf, Germany.

This project is part of Neural Network Computational Fluid Dynamics applied to the analysis of flow and heat transfer along rough surfaces.



#### University of Orléans, France

A student from the Department of Aeronautical Engineering completed her Major Project under Student Exchange Program at the University of Orléans, France.

**Ms. Simran Biswas** (VTUI1462) worked on the project titled “Design and Test on a Rocket Igniter Test Bench” under the guidance of **Dr. Pierre Brequigny**, Associate Professor - Polytech Orleans, Researcher - PRISME Laboratory, University of Orleans, France.

This project describes a rocket igniter test bench which is being provided as PERSEUS (Projet Audient de Recherche Spatiale Européen Universitaire et Scientifique, i.e. European University and Scientific Space Research Student Project), a very small launch vehicle project and associated student initiatives focused on hybrid propulsion.





## University of Tours, France



Two students from the Department of Computer Science & Engineering and Department of Electronics & Communication Engineering completed their Major

Project under Student Exchange Program at University of Tours, France.

**Mr. Andey Dhanunjai Sai Kumar** (VTU 12212 | CSE) and **Ms. Hasitha Gunnam** (VTU 14308 | ECE) were worked on the project titled, "Diagnosis of Autism Spectrum Disorders in Children" under the guidance of **Dr. Gilles Venturini**, Professor - Computer Science, Fundamental and Applied Computer Science Laboratory of Tours (LIFAT), University of Tours, France.

The project is about developing a data mining and artificial intelligence and machine learning methods to detect the presence of markers related to autism spectrum disorders (ASD) in children.

## Nanyang Technological University, Singapore



**NANYANG  
TECHNOLOGICAL  
UNIVERSITY  
SINGAPORE**

Two final year Students from the Department of Mechanical Engineering and Department of Computer Science & Engineering completed their Online Research Internship at Nanyang Technological University, Singapore under NTU-India Connect Research Internship Programme. NTU Singapore is one of the oldest public autonomous research universities in Singapore which is ranked #19 in the world university rankings.

**Mr. Swagat Devadas Patel** (VTU12882 | Mech) has successfully completed his Virtual Research Internship under the supervision of **Dr. Narasimalu Srikanth** in the project titled "Aerofoil studies towards Tidal In-stream energy system" from Jan to June 2022.

This project deals with unmanned aerial vehicles and addresses the selection of suitable wings for use in UAV wing structures and it is accomplished by selecting an available airfoil and then comparing it to an airfoil currently employed in a successful UAV.

**Mr. Hiran Ghosh** (VTU11232 | CSE) has successfully completed his Virtual Research Internship under the supervision of **Assoc Prof. Lam Siew Kei** in the project titled "Cache Attacks on Mobile Device" from Jan to June 2022.

The project is about solving the key challenges to perform the most powerful cross-core cache attacks Prime+Probe, Flush+Reload, Evict+Reload, and Flush+Flush on non-rooted ARM-based devices without any privileges.

## University of Bolton, United Kingdom



8 final year students from the Department of Computer Science & Engineering and

Department of Information Technology completed their Major Project as Virtual from Dec 2021 to May 2022 under **Prof. Dr. Celestine Iwendi**, Research Coordinator, Senior Lecturer, School of Creative Technologies, University of Bolton, United Kingdom

**Mr. Atmakuri Ganesh** (VTU12889 | CSE) and **Ms. Pindikuru Sujitha** (VTU14276 | CSE) completed their Virtual Internship with the title "Developing computationally cheaper machine learning algorithms as well as robustness against eavesdropping attacks".

**Mr. Venkata Sai Sriharsha Meduri** (VTU14990 | CSE) and **Mr. Aditya Verma** (VTU11456 | CSE) completed their Virtual Internship under the title "Optimising the offloading policy in dynamic radio environments to optimally distribute computational load over cloud, device and edge".

This project addresses computing devices such as Internet of Things (IoT) systems and proposes a long-term short-term storage (LSTM)-based predictive model that constitutes the property for a proper offloading policy.

**Mr. Namburi Manoj Kumar** (VTU14616 | CSE) and **Ms. Supriya Debnath** (VTU14412 | CSE) completed their Virtual Internship with the title "Investigating adversarial machine learning techniques to tackle attackers' changing strategies in IoT system using ML".

The project is about Machine learning provides Internet of Things (IoT) systems with different means of learning from data and solving complex tasks, it also raises security concerns due to its vulnerability to adversarial manipulation

**Ms. P. Bhavishya** (VTU12362 | IT) and **Mr. Vibek Jyoti Roy** (VTU11668 | IT) completed their Virtual Internship with the title "Investigating data streaming classification methods for effectively detecting known types of attacks and their variants in the future".

The project is about detection in online learning the dynamic nature of data streams, as well as the constant change in structure over time, results in a phenomenon known as concept drift, which causes a model's efficiency to deteriorate.

## La Trobe University, Australia



A final year student from the Department of Computer Science & Engineering completed his Major Project as Virtual

Internship at La Trobe University, Australia.

**Mr. Norbu Zangpo Lepcha** (VTUI1709) completed their Virtual Internship from January to May 2022 in the title "Blockchain as a tool for sustainable ecosystem and economy" under the guidance of **Prof. Dr. Naveen Chilamkurti**, Associate Dean (International Partnerships), Head of Cybersecurity Discipline, School of Computing, Engineering and Mathematical Sciences, La Trobe University, Australia.

The project is about the rapid adoption and boom of Internet of Things (IoT) technology, there has been varied application of the technology be it health services, Fintech and agriculture to name a few. This has consequently given a rise to the data being produced.

## Universiti Sains Malaysia, Malaysia



3 final year students from the Department of Civil Engineering completed their Major Project as Virtual Internship from January to May 2022 under the guidance of Prof **Dr. Fauziah Ahmad**, Professor of

Geotechnical Engineering, School of Civil Engineering, Universiti Sains Malaysia, Malaysia.

**Mr. Tungfa Lambu** (VTUI1790), **Mr. Pikkilam Venkata Karthik Kumar** (VTUI1278) and **Mr. Abdul Jamil Musalman** (VTUI3599) completed their Virtual Internship under the title "Analysis of strength characteristics of bio cemented soil".

The project is about A newly emerging microbiological soil stabilization method, known as Microbial Induced Calcite Precipitation (MICP), is tested for geotechnical engineering applications Despite the numerous studies on microbially induced carbonate precipitation (MICP) on soils, the influence on marine sand has received little attention.

## Deggendorf Institute of Technology, Germany



Two final year students from the Department of Electronics &

Communication Engineering completed their Major Project as Virtual Internship from January to June 2022 under the guidance of **Prof. Dr.-Ing. Günter Keller**, Professor, Faculty of Electrical Engineering and Media Technology, Deggendorf Institute of Technology, Germany.

**Mr. Amit Sikder** (VTUI3581) completed his Virtual Internship with the title, "Simulation of a Digital Controller of a Buck Converter".

This project describes about modification of three pole three zero (3p3z) digital controller based on voltage mode controller which was implemented by prof. Günter Keller for low voltage buck converter.

**Ms. I. Asritha Manju** (VTUI4573) completed her Virtual Internship with the title, "Implementation of Graphical User Interface for Controller Design".

The main objective is to implement a Graphical User Interface (GUI) for designing the controller using python. It displays four different sections of information regarding the controller design.

## Hankuk University of Foreign Studies, South Korea



6 final year students from the Department of Electronics & Communication Engineering completed their Major Project as Virtual Internship from January to May 2022 under the guidance of **Prof.**

**Dhananjay Singh**, Director of ReSENSE

Lab, Full Professor in the Department of Electronics Engineering, Hankuk University of Foreign Studies (HUFS), Seoul, South Korea.

**Mr. Kasula Rakesh** (VTUI1125) and **Ms. Meesala Sai Pramitha** (VTUI4443) completed their Virtual Internship under the title "An Analysis of Traffic Congestion and Visualization of AVL GPS Data".

The project is about the volume of Automatic Vehicle Location (AVL) data collected from buses has grown exponentially. Since buses play a key role year during Hajj in providing transport services to millions of pilgrims as they move together at specific times and locations, collecting a huge amount of AVL data can create several challenges in terms of providing accurate travel information and enhancing service operations since those challenges could invalidate these calculations, leading to false conclusions and inaccurate predictions.

**Ms. Vajja Likhitha** (VTUI4638) and **Mr. Niraj Kumar** (VTUI1408) completed their Virtual Internship with the title "Smart Waste Management System Using IOT Technology using BLYNK App".

The project is about smart bin with smart monitoring system to avoid the overflow of garbage by timely collection of dust bin by truck drivers. This smart bin is built on a microcontroller-based platform Node-MCU ESP8266 board which is interfaced with Ultrasonic sensor. Ultrasonic sensor is placed on the top of the dustbin to measure the level of dustbin.

**Ms. M. Kavya Nikhita** (VTUI4662) completed her Virtual Internship under the title "Deep Learning Architecture for Multimodal Sentiment Analysis".

The project is about the importance of mental health nowadays and the major parameter for measuring mental health is emotional well-being. So that we proposed Deep Learning Techniques for Multimodal Sentiment analysis. From this project we can examine the stress from audio, visual data and by testing the different deep learning techniques (e.g., CNN, LSTM) and various other features.

**Mr. Swapnil Datta** (VTU 11689) completed his Virtual Internship with the title “A Study about 6LoWPAN Networks using Contiki simulator”.

The project is about several leading radio manufacturers have implemented IEEE 802.15.4, which specifies a wireless link for low-power personal area networks (LoWPANs). 802.15.4 is widely used in embedded applications, such as environmental monitoring to improve agricultural yields, structural monitoring to track building and bridge integrity, industrial control to provide more sense points and control points at lower cost.

#### Kristianstad University, Sweden



5 final year students from the Department of Computer Science & Engineering completed their Major Project as Virtual Internship from January to May 2022 under the guidance of **Prof. Dr. Daniel Einarson**, Senior Lecturer,

Computer Science Department, Faculty of Natural Sciences, Kristianstad University, Sweden.

**Ms. Shefali Dewangan** (VTU11746), **Mr. Ritesh Ranjan** (VTU14607) and **Ms. Niveditha Udatha** (VTU12897) completed their Virtual Internship with the title “The Abstraction of Time, for Simulations, and Real-Time Control”.

The project is about Simulation model allows one to understand how systems behave over time and to compare their performance under different conditions. One of the main advantages of simulation models is that they allow one to experiment with different decisions and to analyze the results obtained in systems in which the cost, the time, or the risk of performing real experiments is high.

**Mr. Sourav Kumar Rungta** (VTU11293) and **Ms. Somya Sinha** (VTU11014) completed their Virtual Internship with the title “Representing movements of farmed and wild ducks through Artificial Neural Network”.

The project will describe the concept of real-time simulation and illustrate how it is being applied to support the development and continued operation of today's requirement for keeping track of farms and wild ducks.

#### Algebra University, Croatia

4 final year students from the Department of Computer Science & Engineering completed their Major Project as Virtual Internship during January to May 2022 under the

guidance of **Prof. Dr. Goran Dambic**, Head of the Software Engineering Department and the Head of Game Development Study Program, Algebra University College, Croatia.



**Ms. Venkata Rajeswari Karnam** (VTU12484) and **Mr. Rahul Kumar** (VTU14424) completed their Virtual Internship with the title “University Management Application”.

The project will describe the concept of University Management Application is an end-to-end software application which is specifically designed and developed for the users of the University With the e- learning teaching methodologies being widely practiced by the institutions, there is a need for a unified Management and Information System which is up-to date with all the latest information and which also has zero down-time The proposed application has students and the faculty as its targeted users.

**Ms. Simran Kumari** (VTU13247) and **Mr. Md Saif Ali** (VTU13539) completed their Virtual Internship with the title “Computer Components Webshop”.

The project will describe the concept of the application is designed and developed for a complete application solution. Computer components web shop is a platform for searching and offering assistance to needy citizens. The application is build using the MERN full stack technology which is a 3 tier architecture.

#### North Carolina Agricultural and Technical State University, USA



NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY

3 final year students from the Department of Biomedical Engineering completed

their Major Project as Virtual Internship during January to May 2022 under the guidance of **Dr. Arvind Chandrasekaran**, Assistant Professor, Department of Chemical, Biological and Bio Engineering, Director of the BIOME Lab, North Carolina A&T State University, USA.

**Ms. Sweta Jha** (VTU13630), **Mr. R. Balakrishnah** (VTU11195) and **Mr. D. Perumal** (VTU11791) completed their Virtual Internship in the title “Designing and Testing of a Human Lung-on-Chip”.

The project will describe the concept of this device consists of 2 parts, the fluidic, and pneumatic parts. In between the mid-plate and pneumatic plate, there is a 40 µm thin membrane made of polydimethylsiloxane (PDMS). This microfluidic device will perform the mechanical movement of 3D cyclic stretching inspired by breathing movements.



## National Taiwan Normal University, Taiwan



5 Final year students from the Department of Computer Science & Engineering and 1 final year student from the

Department of Information Technology completed their Major Project as Virtual Internship during February to June 2022 under the guidance of **Prof. Dr. Hansjoerg Jacky Bolot**, Distinguished Professor, Department of Electrical Engineering, National Taiwan Normal University, Taiwan.

**Ms. K. Lasya Nandini** (VTUI4175 | CSE) and **Mr. Nishant Kumar** (VTUI4244 | CSE) completed their Virtual Internship on the title "Implementation of a Scooter Driving Simulator in Typescript".

Driving simulation in which a humanoid robot drives a scooter inside an environment with the help of simulator user can learn scooter driving which emulates the rules of the real Taiwanese driver test. For creating the 3D engine using Threes, newton method is to use to move the arms of the robot and Unified Robot Description Format describe the robot.

**Mr. Abhay Raj** (VTUI4245 | CSE) and **Ms. Thibikaa K** (VTUI4338 | IT) completed their Virtual Internship on the title "Porting and Evaluating ORBSLAM3".

The project is about oriented around mono camera and testing and simulating mono\_euroc, mono\_kitti using EuRoC, KITTI datasets and analyzing the error and fixing it with proper solution so that it can be implemented into real time humanoid robot for scooter driving and passing the test and getting the Taiwan driving License as per rules governed by Taiwan Vehicle Ministry.

**Mr. Dharaneeswar Royal Indukuri** (VTUI4186 | CSE) and **Mr. M. Sai Yashwanth** (VTUI4395 | CSE) completed their Virtual Internship on the title "Implementation of a Balancing Controller for a Humanoid Robot Driving an E-Scooter".

Inherently self-balancing robot is unstable and it would roll around the wheels' rotation axis without external control and eventually fall. A gyro chip is used to provide the change in the angle of the robot, so that Proportionality Integrative Derivative (PID) controller can check the error in its angular position of the base of the self-balancing robot.

## East Stroudsburg University, USA & East Tennessee State University, USA

6 final year students from the Department of Computer Science & Engineering and 9 final year students from the Department of Information Technology completed their Major Project as Virtual Internship during February to June

2022 under the guidance of **Prof. Dr. Jeyaprakash Chelladurai**, Assistant Professor, Department of Computer Science, East Stroudsburg University, USA and **Prof. Dr. Biju Bajracharya**, Assistant Professor - Cybersecurity, Department of Computing, East Tennessee State University, USA.



EAST  
STROUDSBURG  
UNIVERSITY



**Mr. Bhuvanendra Jonnalagadda** (VTUI4232 | CSE) completed his Virtual Internship on the title "Comparison Study-Machine Learning and Deep Learning Techniques for Regression Models".

Linear regression, Decision Tree, Random Forest and Artificial Neural Network are the 4 different algorithms used to construct a clear picture of it based on each of these algorithm's performance on a public dataset.

**Mr. Soumik Datta** (VTUI1765 | IT), **Mr. Nadendra Sathish Kumar** (VTUI4646 | IT), **Mr. Shubham Kumar** (VTUI1754 | IT) and **Mr. Abhinav Pathak** (VTUI2251 | CSE) completed their Virtual Internship with the title "Computational Drug Discovery using QSAR Modelling". The ChEMBL-29 database (a collection of curated bioactivity of more than 2 million compounds) is used to acquire a dataset for the target disease. Further, this dataset is cleaned and probed to acquire bioactivity data of the drug compounds of the target and prepared using molecular descriptors (Lipinski and Padel descriptors).

**Ms. Gattu Jyothi** (VTUI2486 | CSE), **Mr. Annapaneni Taraka Ram** (VTUI4300 | CSE) and **Mr. Mohan Vamsi Seelam** (VTUI2342 | CSE) completed their Virtual Internship with the title "Applying Deep Learning Algorithm for Identifying Fake Reviews".

In this project, we are utilizing the existing dataset of websites and using Sentiment analyzing for the classification of text content in the reviews and sentiment polarity based on positive or negative review of the reviewer. In this project the proposed model is to classify the fake or genuine reviews.

**Ms. Divyanshu Ranjan** (VTUI4371 | IT), **Mr. Ankit Pradhan** (VTUI1324 | IT) and **Mr. Akhil Duggishetti** (VTUI4744 | CSE) completed their Virtual Internship on the title "Optimal Password Secure Authentication Protocol".

An authenticated system mainly uses the Two Factor or Multi Factor - Authentication (2FA / MFA) to keep the data of the users secure or makes use of hash algorithms such as SHA (secure hash algorithm) / MD5 (message digest algorithm) techniques to keep the privacy untraceable. The introduction of the cryptographic method was a boon to cyberspace due to its most reliable secure communication technology.

**Mr. Chithaluri Suryapunith** (VTUI4354 | IT) and **Mr. Arijit Majumdar** (VTUI1667 | IT) completed their Virtual Internship in the title “Contactless Doorbell using Face Recognition”.

This study proposes an IoT-based doorbell that notifies the home owner when a guest arrives. All of the system's readings are logged in the Firebase online database, and a companion mobile app is also available. We propose a smart home security system, using IoT as well as face recognition. In our system, the web camera is used which is connected to the Arduino accompanied by a switch such as Six legs on/off button mini.

**Mr. Doddetipalli Gowtham** (VTUI4543 | IT) and **Mr. Sai Kumar Jagabattula** (VTUI2926 | IT) completed their Virtual Internship on the title “Brain Tumor detection using MRI images by Conventional Neural Network”.

Brain Tumor segmentation is one of the most crucial and arduous tasks in the terrain of medical image processing as a human-assisted manual classification can result in inaccurate prediction and diagnosis. Moreover, it is an aggravating task when there is a large amount of data present to be assisted.

#### National Chung Cheng University, Taiwan



國立中正大學  
National Chung Cheng University

Two pre-final year students from the Department of Electronics & Communication

Engineering and two final year students from the Department of Aeronautical Engineering got selected for **2022 CCU Virtual Internship Program** under the professors **Prof. Dr. Jen-yi Pan & Prof. Kun-Mo Lin** at National Chung Cheng University, Taiwan.

**Mr. Akuthota Ravikumar** (VTUI1894 | ECE | 3rd Year) and **Ms. Sirigineedi Akhileswari** (VTUI1861 | ECE | 3<sup>rd</sup> Year) completed their Virtual Internship between March and April, 2022 on the title “Implementing evaluation scenarios in B5G/6G communication of IMT-2030” under the guidance of **Prof. Jen-Yi Pan**, Associate Professor, Department of Communications Engineering, National Chung Cheng University, Taiwan.

Machine Learning (ML) will be an important driver of future communications due to its foreseen performance when applied to complex problems. However, the application of ML to networking systems raises concerns among network operators and other stakeholders, especially regarding trustworthiness and reliability.

**Ms. Anshita Deshmukh** (VTUI2459 | Aero | 4<sup>th</sup> year) completed her Virtual Internship from February to July, 2022 on the title “Numerical Modelling of Atmospheric Pressure Plasma Jet” under the guidance of **Prof. Kun-Mo Lin**, Associate Professor, Department of Mechanical Engineering,

National Chung Cheng University, Taiwan.

The Main aim of this project is to Simulate the distribution of helium after the plasma is ejected with the help of CFD ACE software. Atmospheric plasma are cold plasma created at atmospheric pressure and plasma jets are stream of fluid. In the low-pressure plasma technology, working gas that is helium gas is excited in a vacuum by supplying electrical energy.

**Ms. Harshit Kumar** (VTUI1447 | Aero | 4<sup>th</sup> year) completed his Virtual Internship between April and July, 2022 in the title “Numerical Modelling of a Helium Atmospheric Pressure Plasma Jet Operated in Air” under the guidance of **Prof. Kun-Mo Lin**, Associate Professor, Department of Mechanical Engineering, National Chung Cheng University, Taiwan.

Atmospheric pressure plasma jets have a long history of generating interest in low temperature research over the years. Material processing, Surface modification, biomedical material processing, and thin layer deposition are just a few of the uses for an atmospheric-pressure plasma jet (APPJ).

#### National Cheng Kung University, Taiwan



A final year student from the Department of Aeronautical Engineering completed her Major Project as Virtual Internship at National Cheng Kung University, Taiwan.

**Ms. Bandharla Dharani** (VTUI1303) completed her Virtual Internship between January and June 2022 in the title “Effects of Annealing Temperature on ZnCo2O4 Nanosheet to modulate the Supercapacitor Performance” under the guidance of **Dr. Yen-Hsun Su**, Professor, Department of Material Science and Engineering, National Cheng Kung University, Taiwan.

The fossil fuel are increasing rapidly in industry needs and other sources. At present only a small proportion of the world's energy needs come from renewable and non- renewable energy sources uses such as mobile devices, electric powered vehicles and electrical appliances

## INTERNATIONAL STUDENTS AT VEL TECH

Activities and achievements of the students pursuing full time degree at Vel Tech from Abroad.

S.No.	Nationality	No. of International Students
1	Afghanistan	1
2	Bangladesh	26
3	Ethiopia	12
4	Kenya	1
5	Nigeria	2
6	Rwanda	5
7	Srilanka	2
8	Syria	20
9	Sudan	1

### Department of Biotechnology



**Ms. Afrina Akther** (VTU 21461 B.Tech Bangladesh) has secured III place in TEST YOUR VOCABS and III place in CONNECTIONS organized by School of Sciences & humanities and Freshman Engineering at Vel Tech on 20<sup>th</sup> May 2022.

31<sup>st</sup> March to 1<sup>st</sup> April, 2022. He has completed online non-credit course authorized by Autodesk and offered through Coursera.

### Department of Computer Science & Engineering



**Mr. Ebisa Asfaw Gemechu** (VTD 800 | PhD | Ethiopia) presented a paper titled "Machine Learning Approach to English-Afaan Oromo Text-Text Translation: Using Attention based Neural Machine

Translation" published in the 4<sup>th</sup> International Conference on Computing and Communications Technologies (ICCCCT). The paper is added into IEEE on 18<sup>th</sup> Feb 2022.

**Mr. Abir Hossain Apon** (VTU 18698 | B.Tech | Bangladesh) participated in the Workshop - "Familiarization of massive online open source tool for Embedded System & Robotics" held at Vel Tech during 4<sup>th</sup> & 5<sup>th</sup> May, 2022.



### Department of Civil Engineering



**Ms. Razan Alzein** (VTD 874 | PhD | Syria) presented a paper titled "Basalt Fibers In Geopolymer Composites: Advanced Thermal, Mechanical and Flexural Review" in the 2<sup>nd</sup> International E-conference on "Novel Innovations and Sustainable Development in Civil Engineering during 31<sup>st</sup> March to 1<sup>st</sup>

April 2022.

**Mr. Eric Buregeya Mbabazi** (VTP 2657 | M.Tech Geo-Technical Engineering | Rwanda) presented a paper titled "Review on Bicementation Under Different Injection Mechanisms" in the 2<sup>nd</sup> International E-Conference on "Novel Innovations and Sustainable Development in Civil Engineering" (NISDCE'22) held on





## Department of Electrical and Electronics Engineering



**Mr. Diganta Nath** (VTU 16233 | B.Tech | Bangladesh) presented a paper titled "Design and Stability Analysis of Vertical Axis Wind Turbine" in the IRPEE-2.0'22 International Conference held on 18<sup>th</sup> May, 2022.

## Department of Electronics & Communication Engineering



**Mr. Shaher Dwik** (VTD 803 | PhD | Syria) published an article titled "Survey on Energy Harvesting CMOS Sensor Based Digital Camera" in the Journal: ISSN 1060-992X, Optical Memory and Neural Networks, 2022, Vol. 31, No. 1, pp. 97–106.

## Department of English



**Mr. Ashraf Tajmeeh** (VTD 882 | PhD | Syria) published an article titled "Severance and Reminiscence as Main Facets to Aspiration in Sea Prayer by Khaled Hosseini" in the JOURNAL OF THE ORIENTAL INSTITUTE; ISSN: 0030-5324 (Vol. 71, Issue.01, No.13, January - March: 2022).

He gave a presentation titled "How to Study: The Key Fundamentals to Getting Ahead in School and College" organized by WELLTTA (World English Language Learners, Teachers and Trainers Association) on 1<sup>st</sup> June, 2022.

## Department of Mechanical Engineering



**Mr. Gabriel Gahiga** (VTU 18599 | B.Tech | Rwanda) completed online non-credit course authorized by Autodesk and offered through Coursera.

## School of Management Studies

**Mr. Aregawi Zeferu Hadush** (VTD 891 | PhD | Ethiopia) published an article titled "Examining the Effect of Attitude, Remuneration and Working condition on Teachers' Performance in Hintalo District Tigray, Ethiopia" in the INTERNATIONAL JOURNAL OF SPECIAL EDUCATION Vol.37, No.3, 2022.

He also presented a paper titled "A Study on School Teachers Turnover Rate in Four Districts of Tigray Regional State in the "International Conference on Emerging Trends in Management: Restructuring Global Economy-Initiatives and Business Strategies for 2023" organized by the Department of Management Studies, at Vel Tech on 25<sup>th</sup> May, 2022. He has attended a webinar "Business Model Canvas" organized by Vel Tech on 3<sup>rd</sup> May 2022.



**Mr. Demelash Misgana Wase** (VTD 886 | PhD | Ethiopia) presented a paper titled "The Influence of Leadership Styles on Employees Performance in Bole Sub City Education Sectors, Addis Ababa, Ethiopia". He has attended a webinar "Business Model Canvas" organized by Vel Tech on 3<sup>rd</sup> May 2022.



**Mr. Dagnew Gebrehiwot Giday** (VTD 888 | PhD Ethiopia) has attended a webinars "How to plan for Start-up-Legal & Ethical Steps" on 23<sup>rd</sup> April, 2022 and "Business Model Canvas" on 3<sup>rd</sup> May 2022 organized by Vel Tech. He has attended "Elsevier Knowledge hub-Publication Ethics and Research Integrity in Science at APAC Knowledge Hub Workshop" on 11<sup>th</sup> May, 2022 presented by Nicholas Pak Senior Customer Consultant, Cheng Weiwei Senior Manager, Regional Marketing.



**Mr. Biniyam Aweke Getachew** (VTD 890 | PhD | Ethiopia) attended training on "Nvivo-Qualitative Data Analysis Software" organized by School of Economics, Devi Ahilya Vishwa Vidyalaya, Indore held on 27<sup>th</sup> to 30<sup>th</sup> January 2022.



**Mr. Arijit Sengupta** (VTA 532 | BBA | Bangladesh) was been in the role as Campus Ambassador and taken part in the organization of various events of Hult Proze IIM Calcutta for the session 2021-2022.

## EVENTS ATTENDED BY TEAM INTERNATIONAL



### Choose France Tour at Coimbatore

**Mr. T. Ramesh Kumar** - Coordinator of Faculty Mobility and Joint Programmes from Office of International Relations visited the Educational Fair - "Choose France Tour" organized by Campus France Chennai & the French Embassy in India at Kumaraguru College of Technology, Coimbatore during March 18<sup>th</sup> & 19<sup>th</sup>, 2022. Mr. Ramesh had a discussion with **Mr. Bruno NGUYEN**, Deputy Consul General, Bureau de France Chennai, **Dr. Francis Xavier** - Attaché for Scientific and Academic Cooperation, Bangalore, The French Institute in India, **Dr. Anubama Ambika Anilkumar**, Scientific Coordinator, Embassy of France in India and **Ms. Shruthi Miriam Joseph** - Campus France Manager, Chennai. During the meeting discussions were initiated for collaborative activities with French universities which participated in the fair.



### IDPs Australia Admission Day at Chennai



**Mr. T. Ramesh Kumar** - Coordinator of Faculty Mobility and Joint Programmes, **Mr. M. Manikandan** - Coordinator of 3+2 Program, Master's Progression Programme and **Mr. J. Dinesh**, Executive Assistant of Office of International Relations visited the Educational Fair - "IDPs Australia Admission Day" organized by IDP Education at ITC Grand Chola, Chennai on 3<sup>rd</sup> April, 2022. International Team had a brief meeting with the Representatives of Australian Universities and discussed the possible academic & research cooperation with Vel Tech.

### IDPs UK Admission Day at Chennai



**Mr. V. Sethuram** - Coordinator of Student Mobility (Outgoing & Incoming) & Research Internships from Office of International Relations visited the Educational Fair - "IDPs UK Admission Day" organized by IDP Education at ITC Grand Chola, Chennai on 15<sup>th</sup> May, 2022. **Mr. V. Sethuram** had a brief meeting with the Representatives of UK Universities and discussed the possible academic & research cooperation with Vel Tech.

### Information Session on Master's Program at La Trobe University, Australia

The Office of International Relations at Vel Tech organized a Virtual Information Session about the Master's Program at La Trobe University, Australia on January 06, 2022. **Dr. Naveen Chilamkurti**, Associate Dean (International Partnerships), Head of Cybersecurity Discipline, School of Computing, Engineering and Mathematical Sciences and Mr. Amit Malhotra, Regional Director, South Asia, and Africa of La Trobe University, Australia presented about the Master's Program and its benefits. Students were provided with the fee details and various scholarships provided by LTU and the process of availing them. Students got clarified during the Q&A session and the session was attended by more than 50 students.

### Information Session on Master's Program at University of Detroit Mercy, USA

The Office of International Relations at Vel Tech organized a Virtual Information Session along with University of Detroit Mercy, USA to explain about the Master's Program at UDM on January 11, 2022. **Mr. Adithya Thalapalli** from Gurukul Overseas and Representative of UDM presented the various Master's Program and the admission requirements to the students. Students were also explained in detail about the Master Progression Program between Vel Tech & UDM and its benefits. **Mr. Aditya** clarified the student's doubts at the end of the session and it was attended virtually by more than 50 students.

### International Women's Day Celebration

The Office of International Relations at Vel Tech organized an Information Session to celebrate the "International Women's Day" on March 03, 2022. **Dr. Jancie M Hall**, Ambassador for Empowering Women and Girls, Justice of the Peace, Australia and Ms. Indu Kannaiyan, CEO & founder, I-N-U Success Coaching, Australia delivered a talk on Women Empowerment and its impact on modern society. The resource persons were further addressed the problems faced by the girls and women in the society and explained the solutions for the betterment of womanhood. The session benefitted by more than 50 faculty members and students from various departments.

### Information Session on Master's Program at University Michigan-Dearborn, USA

The Office of International Relations at Vel Tech organized a Virtual Information Session about the Master's Program at University Michigan-Dearborn, USA on March 15, 2022. **Ms. Deidra Berry**, CECS Master's Graduate Programs Manager at UMD presented about the UMD Master's Program and its benefits to Vel Tech students. Students were provided with the fee details and various scholarships provided by UMD and the process of availing them. Students got clarified during the Q&A session and the session was attended by more than 50 students.





# Vel Tech

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

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For any queries / Clarification, you may contact

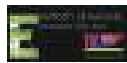
**Dr. P. Suresh**

Dean - International Relations  
Office of International Relations  
Vel Tech, Chennai

Block: 20 | Room No : 2001

M: +91 96000 40255 (whatsapp also) | E: dint@veltech.edu.in

## Recognizations & Achievements



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No.42, Avadi - Vel Tech Road, Vel Nagar, Avadi, Chennai - 600 062

[www.veltech.edu.in](http://www.veltech.edu.in)

Tollfree : 1800 212 7669

