



**Vel Tech Multi Tech**  
Dr.Rangarajan Dr.Sakunthala Engineering College  
An Autonomous Institution

# ANNUAL REPORT

## ACADEMIC YEAR 2020-2021

## CHAIRMAN MESSAGE



### **Col. Prof. Vel. Dr. R. Rangarajan**

Founder & Chairman

**Here comes the 2022-2023 Edition! I once again congratulate the editorial board in bringing this issue of the annual report 2022-2023.** Our students have demonstrated their capabilities and brilliance by securing an internship highly reputed international organizations. Our faculty members regularly present many MOUs with organizations. This annual report highlights the academic achievements of **Vel Tech Multi Tech**, student's innovation and awards.

We are thankful to the faculty members and staff of **Vel Tech Multi Tech** for their valuable inputs, and we welcome suggestions and feedback that will help us improve further.

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## VICE - CHAIRMAN MESSAGE



### **Dr. Sakunthala Rangarajan**

Vice Chairman

In an organization, any initiative needs to be celebrated and treasured. There shall be many other publication down the line, this one shall always remain special in the institution, the faculty members and students. **Vel Tech Multi Tech** in its short existence of **22 years** has made rapid strides towards evolving into a centre of excellence in higher technical education. The contents of this annual report bear ample testimony to this fact. I wish the faculty, students and staff of **Vel Tech Multi Tech** the very best in their pursuit of the cherished objectives of the institution. I hope that they will continue to bring out such quality publications showcasing their achievements from time to time.

## CHAIRPERSON AND MANAGING TRUSTEE MESSAGE



**Dr.Rangarajan  
Mahalakshmi.K**  
Chairperson and Managing  
Trustee  
Vel Tech Group of  
Institutions

With a sense of pride and privilege, I would like to bring to the knowledge of you that **Vel Tech Multi Tech Dr. Rangarajan Dr.Sakunthala Engineering College** started in the year 1999 has proved to be a beckon of knowledge in the field of R&D, Engineering and Technology. As we embark on the task of transforming the college into one of the premier institutes globally, we have introduced innovative programmes; signed MOU's and created partnerships with various industries and academia in order to meet the growing demands of existing and prospective students.

The success of an organization lies in the leadership skills and aptitudes of its people as well as the strength of its infrastructure. As we promulgate the achievements and work of the College, the management is cognizant of the need to ensure that the institution is fully equipped with the necessary resources and latest technologies to meet its objectives. We have focused our energies to be the best Student Supportive Institution in the Country.

We want you to taste the fruit of success once and for the rest of your life, you will never rest.

## VICE PRESIDENT MESSAGE



**Mr.K.V.D. Kishore  
Kumar**  
Vice President  
Vel Tech Group of  
Institutions

It would be my proud privilege to welcome you to be with us to fulfill your cherished dream of becoming successful Engineers and Managers in your chosen field of study. I congratulate the parents who have reposed their faith in us and got their wards admitted to our group of institutions. In **Vel Tech Multi Tech**, our foremost priority is to produce well-disciplined professionals who will stand separate in the crowd.

We are living in the world of science, engineering, technology, management and research. The pace at which innovations in these fields have changed our lives, business, industries and economy are revolutionary.

To foster the growth of research, VTMT has established research centers within its campus and more than 20 Million INR has been received as R&D grant through various government funding agencies like DST , ICMR, CPRI, SERB, TNSCST, INSA, FAER etc., and private industries such as Hyundai, IBM, K-Lites etc., for various research projects. Programmes such as Bio-Medical Engineering, PG courses such as VLSI and Embedded Systems is a significant example of how multi faceted we are. I believe that my students will stand out differently with much conviction and contribute tremendously in the developmental process, benefitting the society. I wish the students a bright future ahead, filled with joy and success.

## PRINCIPAL MESSAGE



**Dr.V.Rajamani**

Principal

Vel Tech Multi Tech Dr Rangarajan

Dr Sakunthala Engineering College

I am very happy to meet you through this page. **Vel Tech Multi Tech** has stood above the rest in its approach to education and in its pedagogies. The ways we teach and the ways our students learn are unique and creative. Education is not an act of acquiring knowledge but learning a skill to lead life and forming one's personality. Many constructive efforts have been taken to improve our college results. As campus placements are progressing, efforts to groom the students to serve the society are also in pace.

I can boldly say that we have excelled in every initiative that we undertook and we have stood together in facing the challenges in realizing quality education. I wish to record my hearty congratulations to those who have brought laurels to the institution and I appreciate all of you for working together as a team for the success and growth of the institution.

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## **INSTITUTION –VISION**

Elevating well being of humanity by augmenting human resource potential through quality technical education and training

## **INSTITUTION – MISSION**

- To Effectuate supremacy in technical education through articulation of research and industry practices for social relevance.
- To inculcate the habit of lifelong learning.
- To exhibit professional ethics, commitment and leadership qualities.

## **ABOUT THE INSTITUTION**

Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College popularly known as **Vel Tech Multi Tech was established in 1999 by Vel Trust (1997)** with the vision to provide right environment for technology transformation to the young minds. The instructional buildings include departments, a central library, common amenities and student's hostels with the walking distance from Institute. The sprawling campus with state of the art laboratories cultivates good character and ethics.

The Institution has been consistent in maintaining excellence in the academic standards, research, reputation, recognition and professionalism since its inception. With an optimal blend of theory and practice, it **offers 8 courses in Engineering & Technology and 2 Post Graduate courses**, leading to the award of B.E, B.Tech and M.E Degrees of Anna University, Chennai.

The institute is supported by eminent industry experts, corporate, scientists, academicians and management consultants for training and recruiting fresh and young talents nurtured in the institution. In a world increasingly propelled by technology, research is the foundation of any growth. The Institution is committed to a long term research and development to innovate technologies for the future. The institution has risen to the expectation of government organizations which paved way to receive **more than 20 million INR from various funding agencies like DST, ICMR, SERB etc., and private industries such as Hyundai, IBM etc.** The institute has a well formulated research committee with senior professors and experienced faculty members. Each department has constituted specialized research group consisting of faculty members and students to inculcate the culture of research in the department.

To add on to the research credits, the Departments of ECE, EEE and basic sciences like Physics and Chemistry are recognized as research centers by Anna University. The Institution has been accredited by **NAAC with 'A' Grade and with an impressive score of 3.49 / 4.0.** The Departments of **BME, CSE, ECE, EEE, IT& MECH are accredited by National Board of Accreditation (NBA).**

## **HIGHLIGHTS**

- **Infrastructure:**
  - Our institution excels as one of the top premiere institutes in India owing to its State-of-the art Infrastructure, well equipped laboratories, and highly qualified and experienced faculty members. The campus is extended over an area of 35 acres of lush greenery campus and the Institute is imaginatively laid-out with picturesque landscape. The instructional buildings include departments, a central library, common amenities and student's hostels with the walking distance from Institute. The sprawling campus with state-of-the-art laboratories cultivates good character and ethics
  - **Academic Desk:**
  - The institute is supported by eminent industry experts, corporate, scientists, academicians and management consultants for training and recruiting fresh and young talents nurtured in the institution.
  - **NAAC:**
  - The Institution has been accredited by NAAC Accredited with 'A' grade with an impressive score of 3.49 / 4.0.
  - **NBA Accreditation:**
  - The departments of BME, CSE, ECE, EEE, IT & MECH are accredited by National Board of Accreditation (NBA).
  - **NIRF India Ranking:**
  - The Institution Stands amongst the Top 200 Institutions (Band 151-200) in the Nation consecutively for 3 years in a Row (2019, 2018 & 2017).
  - **QS I. GAUGE**
  - The Institution has bagged DIAMOND in maximum categories and stands 1<sup>st</sup> among the Self -Financing Affiliated Colleges in the state.
  - **Academics:**
  - We have been Ranked 16<sup>th</sup> amongst 481 Colleges of Anna University in the results of 2018-19 & Ranked 24<sup>th</sup> amongst 461 Colleges of Anna University in the results of 2019-20.
  - **Research:**
  - The Institution is committed to a long-term research and development to innovate technologies for the future. We have till date completed projects to the tune of Rs.4.5 Crores and running projects to the tune of 1.5 Crores. We have 4 Research Centre approved by Anna University for carrying out PhD work.
- UGC 2F & 12B Awarded Institution.
  - Prestigious DST – FIST Sponsored Institution.
  - SIRO Recognized Institution.

## **HIGHLIGHTS**

- **Publications:**
- The number of Publications by the faculty members in the last 5 years has been highly commendable. We have **1000+ publications in SCOPUS/Peer-Reviewed Journals** and more than 2500+ in other reputed National /International journals. The Institution has **193 Patents** Filed, of which **191 are Published and 4 Patents are granted**. Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College was Awarded as the **NUMBER ONE College in Tamil Nadu among 481 colleges in the year 2018** by Anna University for the above herculean success created by the Institution.
- **Placements:**
- The Institution has **80% Placement record** consecutively for the last 4 years with an highest **salary of 10 Lakhs /annum**. The Higher studies has also one of the successful platform that has proved great success for the Institution.
- **Library:**
- It is equipped with more than **80000+ books** with rich collection of national and **international journals and access to e-journals**.



## SURVEY

Vel tech Multi Tech got the following ranking in different organizations worldwide for the best education, research activity.

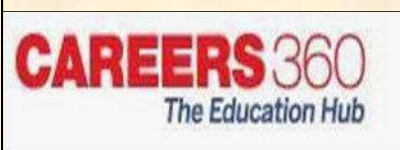
### Goa Human Resource Development Centre



Ranked 6<sup>th</sup> in Tamil Nadu under the category of Top Engineering colleges and ranked 18<sup>th</sup> under the category of Top Engineering colleges of Eminence.



### Careers360 The Education Hub



Ranked AAAA at the State level survey conducted by Careers 360.

### Dataquest Ranking



Ranked 29<sup>th</sup> in the country amongst the Top T-schools in 2021.

### Educational World - The Human Development Magazine



Ranked 87<sup>th</sup> in the country amongst the Top Private Engineering Institutes in Tamil Nadu.

### The Week Magazine



Ranked 98<sup>th</sup> in the country amongst the Engineering colleges in India and 8<sup>th</sup> in Private Engineering colleges in Chennai.

### India Today - Marketing and Development Research Associates



Ranked 7<sup>th</sup> in the country under the category of Private colleges with lowest course fees.

## AWARDS

Vel Tech Multi Tech is 15<sup>th</sup> Place of **CSR-GHRDC Engineering Colleges Survey on 2020**

RANKING OF TOP ENGINEERING COLLEGES OF EMINENCE						
1	The NorthCap University, Gurugram, Haryana	283.25	366.57	183.57	335.81	1171.21
2	Chitkara University Institute of Engineering & Technology, Rajpura, Punjab	281.23	365.78	183.60	333.11	1163.72
3	Maharshi Markandeshwar Engineering College, Mullana - Ambala, Haryana	278.77	362.34	184.74	330.09	1155.94
4	Rajagiri School of Engineering & Technology, Kakkanad, Kerala	276.44	360.68	182.55	331.15	1150.81
5	Jaypee Institute of Information Technology, Noida, Uttar Pradesh	275.25	359.35	183.08	329.31	1146.99
6	Shri Dharmasthala Manjunatheshwara College of Engineering & Technology, Dharwad, Karnataka	276.47	357.09	181.20	330.55	1145.31
7	Ajay Kumar Gang Engineering College, Ghaziabad, Uttar Pradesh	274.52	354.74	180.35	328.19	1137.71

64 COMPETITION SUCCESS REVIEW: JULY 2020

*CSR-GHRDC Engineering Colleges Survey 2020*

Group Rank	Name of the Engineering College	Infrastructure (Physical & Academic) (30%)	Faculty, Research, Consultancy, EDP & Other Programmes (30%)	Admission, Curriculum & Delivery Systems (20%)	Placement, UPE, Social Responsibility, Innovation & Industry Interface (20%)	Total Score (100)
8	SVKM's NMIMS, Mukesh Patel School of Technology Management & Engineering, Mumbai, Maharashtra	273.92	352.72	179.00	329.50	1135.14
9	Guru Nanak Dev Engineering College, Ludhiana, Punjab	271.70	354.44	178.43	327.15	1131.71
10	Rungta College of Engineering and Technology, Bhilai, Chhattisgarh	273.31	351.84	179.70	325.26	1130.11
11	Institute of Technical Education and Research, Faculty of Engineering and Technology, Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, Odisha	274.42	350.19	177.33	326.48	1128.42
12	G.L. Bajaj Institute of Technology & Management, Greater Noida, Uttar Pradesh	272.23	348.44	180.15	324.22	1125.03
13	Dwarkanath J. Sanghvi College of Engineering, Mumbai, Maharashtra	271.71	349.61	178.02	322.59	1121.92
14	Mepco Schlenk Engineering College, Sivakasi, Tamil Nadu	269.36	347.13	179.00	320.99	1117.09
15	Vel Tech Multi Tech Dr. Ranganathan Dr. Sakunthala Engineering College, Chennai, Tamil Nadu	267.27	348.66	177.00	320.41	1114.35

Vel Tech  
Tech  
25<sup>th</sup>

Engineering College ranked by Faculty , Research, Consultancy EDP and other Programmes.

Multi  
ranked  
Engi-

Top 25 Engineering Colleges Ranked by Faculty, Research, Consultancy, EDP & Other Programmes		
Rank	Name of the Engineering College	Faculty, Research, Consultancy, EDP & Other Programmes (30%)
1	Delhi Technological University (Formerly Delhi College of Engineering), Shahabad Daulatpur, Delhi	428.68
2	College of Engineering, Pune, Maharashtra	425.91
3	Thapar Institute of Engineering & Technology, Patiala, Punjab	423.36
4	Institute of Technology, Nirma University, Ahmedabad, Gujarat	421.76
5	Vel Tech Ranganathan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu	419.52
6	Sathyabama Institute of Science and Technology, Chennai, Tamil Nadu	417.34
7	Hindustan Institute of Technology & Science (Deemed to be University), Chennai, Tamil Nadu	415.69
8	Sona College of Technology, Salem, Tamil Nadu	405.06
9	Kongu Engineering College, Erode, Tamil Nadu	403.03
10	Bannari Amman Institute of Technology, Erode, Tamil Nadu	401.37
11	Sikkim Manipal Institute of Technology, Rangpo, Sikkim	399.07
12	Sreenidhi Institute of Science and Technology, Rangt Reddy, Telangana	397.48
13	The NorthCap University, Gurugram, Haryana	366.57
14	Chitkara University Institute of Engineering & Technology, Rajpura, Punjab	365.78
15	Maharshi Markandeshwar Engineering College, Mullana - Ambala, Haryana	362.34
16	Rajagiri School of Engineering & Technology, Kakkanad, Kerala	360.68
17	Jaypee Institute of Information Technology, Noida, Uttar Pradesh	359.35
18	Shri Dharmasthala Manjunatheshwara College of Engineering & Technology, Dharwad, Karnataka	357.09
19	Ajay Kumar Gang Engineering College, Ghaziabad, Uttar Pradesh	354.74
20	Guru Nanak Dev Engineering College, Ludhiana, Punjab	354.44
21	SVKM's NMIMS, Mukesh Patel School of Technology Management & Engineering, Mumbai, Maharashtra	352.72
22	Rungta College of Engineering and Technology, Bhilai, Chhattisgarh	351.84
23	Institute of Technical Education and Research, Faculty of Engineering and Technology, Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, Odisha	350.19
24	Dwarkanath J. Sanghvi College of Engineering, Mumbai, Maharashtra	349.61
25	Vel Tech Multi Tech Dr. Ranganathan Dr. Sakunthala Engineering College, Chennai, Tamil Nadu	348.66

## AWARDS

Vel Tech Multi Tech is 7<sup>th</sup> Place for the lowest course Fee in Private Engineering College India Today Survey

<b>10 PRIVATE COLLEGES WITH THE LOWEST COURSE FEE</b>			
RANK	COLLEGE	CITY	FEE FOR THE ENTIRE COURSE (₹)
1	ADITYA COLLEGE OF ENGINEERING	Madanapalle, AP	1,80,000
2	THIAGARAJAR COLLEGE OF ENGINEERING	Madurai	1,90,000
2	VEL TECH RANGARAJAN DR SAGUNTHALA R&D INSTITUTE OF SCIENCE & TECHNOLOGY	Chennai	1,90,000
3	NEHRU INSTITUTE OF ENGINEERING & TECHNOLOGY	Coimbatore	2,00,000
3	MAILAM ENGINEERING COLLEGE	Vilupuram, TN	2,00,000
3	AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING	Chennai	2,00,000
4	ANDHRA LOYOLA INSTITUTE OF ENGINEERING & TECHNOLOGY	Vijayawada	2,11,200
5	RAVINDRA COLLEGE OF ENGINEERING FOR WOMEN	Kurnool	2,12,500
6	SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS)	Tiruchengode, TN	2,15,000
7	VEL TECH MULTI TECH DR RANGARAJAN DR SAKUNTHALA ENGINEERING COLLEGE	Chennai	2,20,000

INDIA  
TODAY

## MoU's SIGNED

The Purpose of MoU is to have mutual intentions to jointly work on projects required for industries and research needs, with the learned faculty of good industrial experience and promising students, jointly agree to exchange their expertise for mutual benefits and growth.



The following are the details of the MoU's signed in the Academic Year 2020 - 2021

S No	Name of the Research Institute/ University/ Organization	Place	Purpose of MoU
1	TCS	Mumbai	To access the Shared Software Applications.
2	ICT Academy	Chennai	To provide teaching and learning resources to deliver Clouding computing to students
3	Aon Consulting Private Limited (Co Cubes)	Haryana	To determine employment potential of the candidate, To benchmark the candidate in terms of industry specific recruitment standards and to Provide Psychometric-based behavioral attributes profiling and mapping .
4	Basell Automation System Private Limited	Chennai	To train the students in the area of Engineering and automation software.
5	Syscoms Automation	Chennai	To access the Shared Software Applications.
6	Deepam Hospital	Chennai	Provides the access to industrial environments for applied and problem based research activates.
7	Focus Academy for Career Enhancement	Chennai	To impart training for the students.




## Patents Granted

S.No	Granted Date	Issue No	Inventor	Patent No	Title	Status
1	13.08.2020	2325/ CHE/2015	R.Keerthana	344010	DEVELOPMENT OF MOBILE CALL BLOCKING SYSTEM FOR ACCIDENT PREVENTION USING ANDROID	Granted
			D.Sarguna			
			S.Chittu			
2	14.10.2020		Dr.N.Ganesh	2020102248	METHOD FOR MINIMIZING THE SPECIFIC ABSORPTION VALUES OF THE MULTI-HOMED HETEROGENEOUS WIRELESS DEVICES	Granted
3	11.12.2020	4648/ CHE/2014	S.Prabhakaran	353536	DEVELOPMENT OF GREEN SUSTAINABLE INFILLED CONCRETE WALL PANELS	Granted
			B.Devi Abirami			

कमांक : 044125199  
SL No :



**INTELLECTUAL PROPERTY INDIA**  
PATENTS | DESIGNS | TRADE MARKS | GEOGRAPHICAL INDICATIONS



भारत सरकार  
GOVERNMENT OF INDIA  
पेटेंट कार्यालय  
THE PATENT OFFICE  
पेटेंट प्रमाणपत्र  
PATENT CERTIFICATE  
(Rule 24 of The Patents Rules)

पेटेंट नं. / Patent No. : 353536  
आवेदन सं. / Application No. : 4648/CHE/2014  
फाइल करने की तारीख / Date of Filing : 24/09/2014  
पेटेंटी / Patentee : VEL TECH MULTI TECH DR. RANGARAJAN  
Dr.SAKUNTHALA ENGINEERING COLLEGE

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित DEVELOPMENT OF GREEN SUSTAINABLE INFILLED CONCRETE WALL PANELS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबन्धों के अनुसार आज तारीख 24th day of September 2014 से बीस वर्ष की अवधि के लिए पेटेंट अनुमत किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled DEVELOPMENT OF GREEN SUSTAINABLE INFILLED CONCRETE WALL PANELS as disclosed in the above mentioned application for the term of 20 years from the 24th day of September 2014 in accordance with the provisions of the Patents Act, 1970.



**INTELLECTUAL PROPERTY INDIA**  
PATENTS | DESIGNS | TRADE MARKS | GEOGRAPHICAL INDICATIONS


अवधि के अन्त में  
Date of Grant : 11/12/2020

पेटेंट नियंत्रक  
Controller of Patent

टिप्पणी - इस पेटेंट में नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 24th day of September 2016 को और उसके पश्चात प्रत्येक वर्ष में जारी किए जाएंगे।  
Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 24th day of September 2016 and on the same day in every year thereafter.

कमांक : 044121787  
SL No :



**INTELLECTUAL PROPERTY INDIA**  
PATENTS | DESIGNS | TRADE MARKS | GEOGRAPHICAL INDICATIONS



भारत सरकार  
GOVERNMENT OF INDIA  
पेटेंट कार्यालय  
THE PATENT OFFICE  
पेटेंट प्रमाणपत्र  
PATENT CERTIFICATE  
(Rule 24 of The Patents Rules)

पेटेंट नं. / Patent No. : 344010  
आवेदन सं. / Application No. : 2325/CHE/2015  
फाइल करने की तारीख / Date of Filing : 07/05/2015  
पेटेंटी / Patentee : VEL TECH MULTI TECH DR. RANGARAJAN DR.  
SAKUNTHALA ENGINEERING COLLEGE

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित DEVELOPMENT OF MOBILE CALL BLOCKING SYSTEM FOR ACCIDENT PREVENTION USING ANDROID नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबन्धों के अनुसार आज तारीख 7th day of May 2015 से बीस वर्ष की अवधि के लिए पेटेंट अनुमत किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled DEVELOPMENT OF MOBILE CALL BLOCKING SYSTEM FOR ACCIDENT PREVENTION USING ANDROID as disclosed in the above mentioned application for the term of 20 years from the 7th day of May 2015 in accordance with the provisions of the Patents Act, 1970.

**INTELLECTUAL PROPERTY INDIA**  
PATENTS | DESIGNS | TRADE MARKS | GEOGRAPHICAL INDICATIONS

अवधि के अन्त में  
Date of Grant : 13/06/2020

पेटेंट नियंत्रक  
Controller of Patent

टिप्पणी - इस पेटेंट में नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 7th day of May 2017 को और उसके पश्चात प्रत्येक वर्ष में जारी किए जाएंगे।  
Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 7th day of May 2017 and on the same day in every year thereafter.

## SPORTS ACTIVITY

The following are the details of the sports activities in state and national level competition in the academic year 2020 - 2021.

S.No	Name of the Sports	List of Cadets Participated		Achievement	Venue	Year
		Name	Department			
1	FENCING	SUDHARSON.P	ECE	Bronze	27 <sup>th</sup> State Junior Fencing Championship, Kanyakumari	2020-2021
2	FOOT-BALL	PRAVIN.S.R	CSE	Winner	Youth Games Federation New Delhi	2020-2021
		ARAVINTH KUMAR				
3	KABBADI	KALIDAS D.	ECE	Winner	Youth Games Federation New Delhi	2020-2021
		AKASH KUMAR	EEE			
		BABU M	CSE			
4	HAND-BALL	KAVIYA.S	CSE	Winner	Youth Games Federation New Delhi	2020-2021
		BALAJI.V	CSE			
		SURYA PRAKASH	CSE			
		JAYA SURYA	CSE			
		MUTHU SUBRAMANIAN.M	CSE			
		SANTHOSH.C	ECE			
		PRAKASH.C	ECE			
		DHIVYESH RAJ.T.M	CSE			
		LOKANADHAM	CSE			
		VIJAY M.	ECE			
		ANBARASAN.S	EEE			
		SARAN.D	MECH			
GURU SHANKAR	EEE					



## HIGHER EDUCATION CELL

Higher Education improves an individual's quality of life. Considering this fact, in this academic year 2020 - 2021 the higher education cell of the institution has conducted 4 higher education awareness programs for the benefit of the students

**LIVE WEBINAR**

Vel Tech Multi Tech  
Dr. Rangarajan Dr. Sakunthala Engineering College  
An Autonomous Institution

**Importance of Engineering and Opportunities in European Countries**

**WEDNESDAY 30 DEC 2020 • 11.00 AM**

**Resource Person**  
**Mr. Rajath Ramachandran**  
Masters in Process Technology -  
University of South - East Norway  
Country - Norway  
Zoom Link : <http://bit.ly/3hk0i6T>

INSTITUTION'S INNOVATION COUNCIL

[www.veltechmultitech.org](http://www.veltechmultitech.org)

Opportunities in European Countries

**Guest :** Mr. Rajath Ramachandran

Master in Process Technology,  
University of South East  
Norway

**Date:** 30.12.2020

Vel Tech Multi Tech  
Dr. Rangarajan Dr. Sakunthala Engineering College  
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**Higher Education Webinars**

**Aug 24 11:00AM** Chinmaya Academy of Civil Services  
How to crack Competitive & Civil Service Examinations

**Aug 31 11:00AM** Learners Cortex Magoosh  
Higher Studies opportunities

**Sep 07 11:00AM** T.I.M.E. Education  
GATE Preparation and PSU Recruitment Process

Competitive and Civil Service Examination,  
Higher Studies Opportunities & GATE preparation and PSU Recruitment

**Guest :** Chinmaya Academy of Civil Services & Learners Cortex Magoosh & T.I.M.E Education

**Date:** 31.08.2020

Vel Tech Multi Tech  
Dr. Rangarajan Dr. Sakunthala Engineering College  
An Autonomous Institution

**HIGHER EDUCATION WEBINAR**

HOW TO CRACK COMPETITIVE & CIVIL SERVICE EXAMINATIONS

**REGISTER TODAY :** <https://bit.ly/HEWebinar20-21-001>

**24TH AUGUST 2021**

**11:00AM - 12:30PM**

**V.R. SRIRAMADESIKAN**  
Chief Coordinator - Chinmaya Academy for Civil Services

[www.veltechmultitech.org](http://www.veltechmultitech.org)

**Program Name:** How to Crack Competitive and Civil Service Examination

**Guest :** Mr. V.R. Sriramadesikan

Chief Coordinator

Chinmaya Academy of Civil Services

**Date:** 24.08.2020

## HIGHER EDUCATION CELL

**Vel Tech Multi Tech**  
Dr. Rangarajan Dr. Sakunthala Engineering College  
An Autonomous Institution

**HIGHER EDUCATION EVENTS**

**June 2020**

**JUNE 15** **DESTINATION ABROAD**  
IDP EDUCATION, CHENNAI  
11.00 AM - 12.30 PM

**JUNE 16** **OPPORTUNITIES IN UK**  
FUTURE OVERSEAS (UK)  
11.00 AM - 12.30 PM

**JUNE 17** **OVERSEAS OPPORTUNITIES**  
TIMES HIGHER EDUCATION  
11.00AM - 12.30 PM

**JUNE 18** **SCHOLARSHIPS TO STUDY ABROAD**  
MANYA PRINCETON REVIEW  
11.00AM - 12.30 PM

**JUNE 19** **HOW TO CRACK QUALIFYING EXAMS**  
STUDYANSK  
11.00AM - 12.30PM

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www.veltechmultitech.org

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**June 15** : Destination Abroad  
IDP Education , Chennai.

**June 16** : Opportunities in UK  
Future Overseas , Chennai.

**June 17** : Overseas Opportunities  
Times Higher Education , Chennai.

**June 18** : Scholarships to study Abroad  
Times Higher Education , Chennai.

**June 19** : How to Crack Qualifying  
Times Higher Education , Chennai.



## ENTREPRENEURSHIP DEVELOPMENT CELL ACTIVITIES

Unemployment is one of the most important problems confronting developing and underdevelopment countries. Entrepreneurship development progress enables prospective entrepreneurs in the setting up of their own units, thus enabling them to get self employment.

**Live Webinar**

Vel Tech Multi Tech  
Dr.Rangarajan Dr.Sakunthala Engineering College  
An Autonomous Institution

My story - Start Up Founder

WEDNESDAY 22 JULY 2020 • 11.00 AM

Session Speaker

Mr.Pushparaj R  
Start-Up Founder  
Aura Agroproducts

INSTITUTION'S INNOVATION COUNCIL  
Member of IITB-2020

For Registration Visit  
[www.veltechmultitech.org](http://www.veltechmultitech.org)

Founder

Guest :Mr R.Pushparaj, Start Up Founder,  
Aura Agro products

Date:22.07.2020

**PITCHING CONTEST**

Vel Tech Multi Tech  
Dr.Rangarajan Dr.Sakunthala Engineering College  
An Autonomous Institution

Start Up  
Multi Tech 2021

03 MARCH 2021 • 10.00 AM

EVENTS

PLAN YOUR B-MODEL  
ELEVATOR PITCH

TOURCLEADS  
The Entrepreneurship Unit of VIT

INSTITUTION'S INNOVATION COUNCIL  
Member of IITB-2020

To Register visit [www.veltechmultitech.org](http://www.veltechmultitech.org)

Guest : Young Leader

Date:03.03.2021

**LIVE WEBINAR**

Vel Tech Multi Tech  
Dr.Rangarajan Dr.Sakunthala Engineering College  
An Autonomous Institution

Entrepreneurship  
in Higher Education  
Institutions

TUESDAY 8 DEC 2020 • 3.00 PM

Resource Person

Daniel Prabhakaran.G  
Chief Executive Officer  
Annamalai Innovation and Incubation Research  
Foundation, Annamalai University,  
Chidambaram.

TOURCLEADS  
The Entrepreneurship Unit of VIT

INSTITUTION'S INNOVATION COUNCIL  
Member of IITB-2020

Zoom : <https://bit.ly/3oAFO7H> [www.veltechmultitech.org](http://www.veltechmultitech.org)

Annamalai Innovation and Incubation Research  
Foundation, Annamalai University.

Date:08.12.2020

**LIVE WEBINAR**

Vel Tech Multi Tech  
Dr.Rangarajan Dr.Sakunthala Engineering College  
An Autonomous Institution

Entrepreneurship  
Orientation  
Program

WEDNESDAY 9 DEC 2020 • 11.30 AM

Resource Person

Mr.Craig Moreyra  
Regional Manager,  
Wadhani Foundation  
National Entrepreneurship Network

TOURCLEADS  
The Entrepreneurship Unit of VIT

INSTITUTION'S INNOVATION COUNCIL  
Member of IITB-2020

Microsoft Teams : <https://bit.ly/39AFoUJ> [www.veltechmultitech.org](http://www.veltechmultitech.org)

Guest :Mr Craig Moreyra

Regional Manager, Wadhani Foundation

Date:09.12.2020

## ENTREPRENEURSHIP DEVELOPMENT CELL ACTIVITIES

**LIVE WEBINAR**

Vel Tech Multi Tech  
Dr.Ranganajan Dr.Sakunthala Engineering College  
An Autonomous Institution

**How to Plan for Start Up  
Legal and Ethical Steps**

**TUESDAY 23 MAR 2021 • 11.00 AM**  
Organized by Department of Electrical  
and Electronics Engineering

**Resource Person**  
**Mr. Gajendran Hariprakash**  
Co- Founder  
Florus Lighting Industries  
Chennai  
Session Link : <http://bit.ly/3hkO16T>

  
www.veltechmultitech.org

and Ethical Steps

**Guest** :Mr Gajendra Hariprakash

Co - Founder

Florus Lighting Industries, Chennai.

**Date:**23.03.2021

Vel Tech Multi Tech  
Dr.Ranganajan Dr.Sakunthala Engineering College  
An Autonomous Institution

**WANT TO GROW YOUR  
INNOVATIVE IDEA**

**MINERVA 2K21**  
THE PITCHING CONTEST

**ON 22.05.2021**

WE CAN HELP YOU GROW MORE

Organised by  
The Entrepreneurship Development  
Unit

Registration Link : <http://bit.ly/MINERVA2K21>  
E-Certificate will be given to all Participants

**CALL 7358701999**  
[www.veltechmultitech.org](http://www.veltechmultitech.org)

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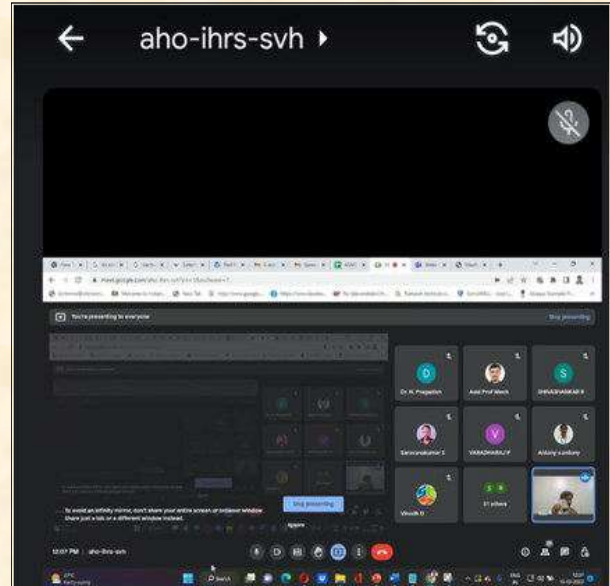
Pitching Contest

**Date:**22.05.2021

## GUEST LECTURE

Guest lecture exposes students to real world life experiences from the position of someone who has been there. This year the institution has **conducted 37** guest lectures for the welfare of the students.

### Department of Mechanical Engineering



**Topic** :Application of Product Design and Development  
**Guest details** : Mr. P. Krishna Kanth, Senior Engineer,  
Lennox India Technology Center, Chennai  
**Date of the Event** :24.11.2020



**Topic** :Application of Quality Tools in Foundry  
**Guest details** : Mr. V. Padmanaban, Senior Engineer (Quality),  
Turbo Energy Limited (TEL) Chennai.  
**Venue:** Henry Ford Seminar Hall  
**Date of the Event** : 29.03.2021

**FACULTY ACTIVITY**  
**Department of Computer Science Engineering**



**Program** : Blended Teaching Technique  
**Name** : Ms.S.Muthuselvi  
**Venue** : Vel Tech Multi Tech  
**Date** : 25.01.2021-07.02.2021



**Program** : Cloud Technologies  
**Name** : Ms.S.Muthuselvi  
**Venue** : Vel Tech Multi Tech  
**Date** : 18.12.2020-19.12.2020



**Venue** : Vel Tech Multi Tech  
**Date** : 30.11.2020-04.12.2020



**Python**  
**Name** : Mr.S. Vinod  
**Venue** : Vel Tech Multi Tech  
**Date** : 22.02.2021-29.02.2020

**FACULTY ACTIVITY**  
**Department of Mechanical Engineering**



**Program** : HR Business partnering  
**Name** : Mr.M.Selvam  
**Venue** : ST.Joseph's College of Engineering  
**Date** : 12.06.2020



**Program** : Patent Act, Drafting, Filing system and challenges in India  
**Name** : Mr.M.Selvam  
**Venue** : R.M.D. Engineering College.  
**Date** : 10.06.2020



**Name** : Mr.M.Selvam  
**Venue** : IEEE Technology and Management Society .  
**Date** : 01.06.2020



**Name** : Mr.Alagu sundara pandian  
**Venue** : Online  
**Date** : 11.02.2021

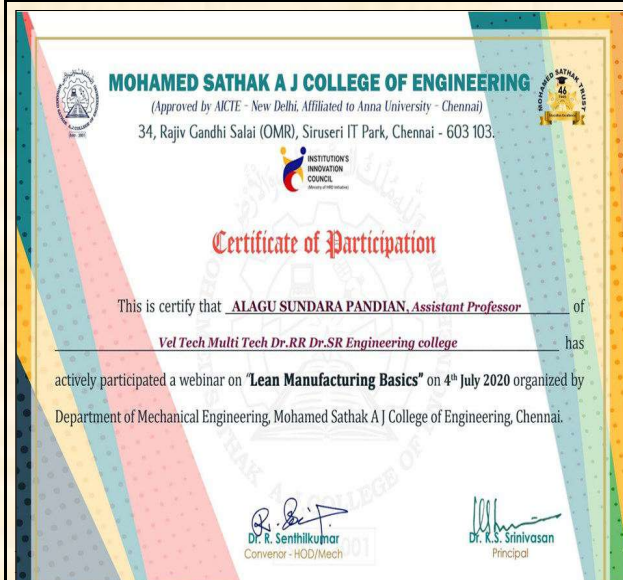
**FACULTY ACTIVITY**  
**Department of Mechanical Engineering**



**Event Name :** Workshop  
**Program :** Research Workshop  
**Name :** Mr.M.Selvam  
**Venue :** Bell Institute Of Research And Development Studies  
**Date :** 18.06.2020 to 22.06.2020



**Event Name :** Webinar  
**Program :** Potential methods for Manufacturing Nanocomposites  
**Name :** Alagu sundara pandian  
**Venue :** Online.  
**Date :** 03.07.2020



**Program :** Lean Manufacturing Basics  
**Name :** Alagu sundara pandian  
**Venue :** Online  
**Date :** 04.07.2020



**Program :** Applications of Artificial; Intelligence in Modern Manufacturing  
**Name :** Mr.S.Lakshmanan  
**Venue :** Karunya Deemed University  
**Date :** 03.07.2021—07.07.2021

**FACULTY ACTIVITY**  
**Department of Mechanical Engineering**



**Program** :Skills on Data Analytics for a Modern Day Engineer  
**Name** : Mr.D.Vijayakumar  
**Venue** :SSN College of Engineering  
**Date** : 20.09.2020



**Program** :Recent Development & Research Scopes in Thermal Engineering  
**Name** : Mr.D.Vijayakumar  
**Venue** : Institute of Technology  
**Date** : 26.10.2020 - 31.10.2020



**Program** :The Role of Engineers in Making India a Five Trillion Dollar Economy  
**Name** : Mr.D.Vijayakumar  
**Venue** :Online  
**Date** : 22.06.2020 -26.06.2020



**Program** :INDUSTRY 4.0  
**Name** : Mr.D.Vijayakumar  
**Venue** :Dr.MGR. Educational and Research Institute  
**Date** :02.07.2020 -04.07.2020

**FACULTY ACTIVITY**  
**Department of Mechanical Engineering**



**Program** : House Hold Electrical Devices & Appliances  
**Name** : Dr. S. Muthukumar  
**Venue** : AVS College of Arts & Science  
**Date** : 20.09.2020



**Event Name** : Seminar  
**Program** : Patents & Copyrights 2022  
**Name** : Dr. S. Muthukumar  
**Venue** : Ansal university  
**Date** : 01.06.2020



**Management**  
**Name** : Dr. S. Muthukumar  
**Venue** : PCRA  
**Date** : 18.11.2020



**Teaching learning in Engineering**  
**Name** : Dr. S. Muthukumar  
**Venue** : Online (Swayam)  
**Date** : 01.01.2020 - 30.04.2020



## STUDENTS ACTIVITIES AND ACHIEVEMENT

### Department of Electrical and Electronics Engineering



(L to R) Selvam Uma, CAO, LBR; Vijay, Lincoln Record Holder; Hon'ble Amb. Dr.K. Joseph Ilanthendral, Founder & Chairman, Lincoln Book of Records; John Joel, Head, Vidhayin siragugal; Karthik Kumar, CEO, LBR

**Batch:**2018-20

**Event Name:** LINCOLN BOOK OF RECORD

**Students Name:** H.VIJAY

**Details:** WORLD RECORD (115 Times of Super Brain Yoga in 59sec)

**Venue:** Chrompet, Chennai.

**Date of the Event:** 14.10.2021

### Department Information Technology



**Event name:** 3<sup>rd</sup> International Conference on Recent Innovations in Research & Developments

**Students Name:** A Divya & C Febia

**Participant / Winner:** Best Paper Award

**Venue:** International Institute of Research in Multidisciplinary-Skill Development Trust

**Date of the Event:** 04.07.2021

## STUDENTS ACTIVITIES AND ACHIEVEMENT

### Department of Electrical and Electronics Engineering



**Batch:** 2017

**Event name:** Faer-Mcafee Scholar Award Program

**Students Name:** Janani.P & Keerthana.M

**Participant / Winner:** Got Selected For Grand Finale

**Venue:** Foundation for Advancement of Education and Research

**Date of the Event:** 12.07.2021-16.07.2021



**Presentation**

**Students Name:** Raveena A

**Participant / Winner:** III Prize

**Venue:** Saveetha Engineering College

**Date of the Event:** 18.06.2021



**B  
E  
Presentation**

**Students Name:** K. Vanamuthu

**Details (Participant / Winner):** I

**Venue:** Rajalakshmi Engineering College

**Date of the Event:** 15.05.2021

## SEMINAR

Seminars are capable of keeping the students updated with the technologies. Seminars are actually a great chance for the students to improve their skills within their curriculum. The seminar also helps the students to improve their knowledge.

[Department of Mechanical Engineering](#)



The poster is for a seminar at Vel Tech Multi Tech, Dr. Rangarajan Dr. Sakunthala Engineering College, an autonomous institution. It is organized by the Department of Mechanical Engineering. The seminar is titled "Climate Migration Through Energy Conservation & Renewable Energy" and is presented by Mr. Prem Kumar and Mr. Anil Kumar, Senior Engineers at Deca Drives Pvt. Ltd, Chennai. The event is scheduled for 06.11.2020 from 1:15 to 2:45 PM at the Henry Ford Seminar Hall. Logos for the institution and the Institution's Innovation Council are also present.

**Topic:**  
Climate Migration  
through En-

ergy conservation & renewable energy

**Guest:** Mr. Premkumar & Mr. Anilkumar,  
Senior engineer, Deca Drives Pvt. Ltd, Chennai

**Venue:** Henry Ford Seminar Hall

**Date of the Event:** 06.11.2020



The poster is for a seminar at Vel Tech Multi Tech, Dr. Rangarajan Dr. Sakunthala Engineering College, an autonomous institution. It is organized by the Department of Mechanical Engineering. The seminar is titled "Energy Conservation" and is presented by Mr. Prem Kumar and Mr. Anil Kumar, Senior Engineers at Deca Drives Pvt. Ltd, Chennai. The event is scheduled for 09.09.2020 from 09:30 to 11:30 AM at the Henry Ford Seminar Hall. Logos for the institution and the Institution's Innovation Council are also present.

**Topic:**

Conservation

**Guest details:** Mr. Premkumar & Mr. Anil kumar,  
Senior Engineer, Deca drives Pvt.Ltd,Chennai.

**Venue:** Henry Ford Seminar Hall

**Date of the Event:** 09.09.2020

## **INDUSTRIAL VISIT**

Industry visits sensitize students to the practical challenges that organizations face in the business world. Industry visits also give greater clarity about various management concepts for the students as they can practically see how these concepts are put into action.

### Biomedical Engineering Department



**Place of Visit:** MGM Health Care, Chennai

**Date of the Visit:** 30.12.2021

**Students Batch:** 2020 – 2024



**Place of visit:** Sri Nariyani Hospital and Research Institute, Vellore.

**Students batch:** 2019-2023

### IN PLANT TRAINING

As Part of the curriculum the students have to undertake In - Plant training at the end of the semester, during the semester holidays. The objective of the training is to expose the students to the working of an organization, thereby acquainted with day to day practice. This would help them to relate theoretical concepts to sound industry practices.

During the Academic Year 2021- 2022 357 students attended In plant Training in nearly 40 Companies.

S.No	Department	Student Attended
1	CSE	112
2	IT	17
3	ECE	38
4	MECH	110
5	EEE	42
6	CIVIL	38

The Following is the list of students had undergone

of companies where the their training

S.No	Company	Location
1	Udemy	Chennai
2	Python (Tektaurus Education)	Chennai
3	Ec Council(Ceh)	Chennai
4	K7 Computing Private Limited	Chennai
5	Hacker Rank	Chennai
6	Coursera	Chennai
7	My Captain	Chennai
8	Great Learning	Chennai
9	Greens(Core Java)	Chennai
10	Educba	Chennai
11	Guvi	Chennai
12	Intershala (Ethica L Hacking)	Chennai
13	BSNL	Chennai
14	KAASHIV	Chennai
15	CISCO	Chennai
16	Intershala (Ethica L Hacking)	Chennai
17	TNL Cargo Private Ltd	Chennai

S.No	Company	Location
18	CAD DESK	Chennai
19	AICL,LEARNING AI & ML	Chennai
20	BSNL	Chennai
21	Chennai Port Trust	Chennai
22	Deloitte	Chennai
23	Internshala	Chennai
24	Kaashiv InfoTech	Chennai
25	TDI	Chennai
26	Shiahsh Info Solution Pvt Limited	Chennai
27	Barola Technologies	Chennai
28	Smart Interns	Chennai
29	Pantech Solution	Chennai
30	Ti Cycles Of India	Chennai
31	Liberty Info Services	Chennai
32	Tube Products Of India	Chennai
32	Johnson Control	Chennai
33	Thillai Engineering	Chennai
34	R.R Tools &Gauges	Chennai
35	L&T Shipbuilding	Chennai
36	Indian Motors Corporation	Chennai
37	Ashok Leyland	Chennai
38	Best & Crompton	Chennai