Hi-Tech Newsletter

VEL TECH HIGH TECH Dr.RANGARAJAN Dr.SAKUNTHALA ENGINEERING COLLEGE

(Approved by AICTE, Affiliated to Anna University - Chennai, ISO 9001:2008 Certified Institution, Accredited by NBA, New Delhi & Accredited by NAAC with 'A' Grade & CGPA of 3.27)

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Hi-Tech Newsletter (Volume 1, Issue 4, April - June 2018)

PRINCIPAL MESSAGE

Dr. E. Kamalanaban, B.E (CSE), M.E (CSE), Ph.D.
Principal

It is my pleasure to present the fourth quarterly issue (April - June'18) of the Newsletter of Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College for the year 2017-2018. I am indeed much delighted to meet you through this page. Apart from teaching, our faculty members are deeply engaged in research work and scientific collaboration in national and international projects. It may be pertinent to mention that the students in collaboration with the faculty have successfully organized a 2 day extravaganza "AAVISHKAAR'2018, National Conference cum Project Expo cum Cultural event. It is endeavor of the newsletter to acquaint its readers with the achievements of the Vel Tech High Tech fraternity.

The current Newsletter highlights the event Aavishkaar, Faculty and Student achievements, Innovations in R&D, Training & Placement, Achievements in Sports, NCC and NSS, Department activities and highlights. The intent of **Hi-Tech Newsletter** is to disseminate information about our Institute and I hope that the readers find the issues informative and useful.

– Dr. E. Kamalanaban

CONTENTS

OUTCOME BASED EDUCATION (OBE)

Education forms the back bone of any country. System of Education reveals the quality. As we know India has a population that is the youngest in world and by 2020 we will have youngsters in the age of 21-24 who will be at the start of their career, looking for good opportunities. But, in recent years in our country we have seen a sharp decline in the employability of students graduating from technical education, which proves to be a potential threat for a nation that has youngest population.

Lot of initiatives that were taken to improve that quality of students, but those gave little or no improvement. Based on lot of analysis Government identified that the students lacked the potential skills and knowledge that are required for employability or for pursuing higher education.

To bring improvement in the quality of education Indian Government signed and became a permanent member of the "WASHINGTON ACCORD" on 13th June 2014, and started bringing reform under the initiative "OUTCOME BASED EDUCATION".

Understanding this impact and having extreme concerns over the quality of students graduating and also the quality of graduates that we must produce for our nation, we at our institution unanimously decided to follow the OUTCOME BASED EDUCATION, to produce graduates who will bring up the nation and who will shoulder great responsibilities in the near future.

OBE as the name indicates concentrates on the improvement of the "outcomes or the required skills and knowledge" that a sudden must have at the time of graduating. We at our institution and in turn in our school take serious concern in attaining the attributes defined globally for the graduates. Each program and the courses in a program are decided and also designed to give specific skills required to enhance the quality.

Therefore, in our institution various skill development activities initiated by our Principal Dr.E.Kamalanaban are being conducted in a way to aid the cause of improvement.

And one among that is the **Group Learning or Collaborative learning**. In the Classroom, Often, collaborative learning is used as an umbrella term for a variety of approaches in education that involve joint intellectual effort by students or students and faculty members by engaging individuals in interdependent learning activities.

It is a situation in which two or more students learn or attempt to learn something together. Unlike individual learning, students engaged in collaborative learning capitalize on one another's resources and skills (asking one another for information, evaluating one another's ideas, monitoring one another's work, etc.).

Ms.Raja Saranaya Kumari (HTS1245) and Ms.Alin Mercybha (HTS 1268) of Department of Computer Science and Engineering facilitated the Group Learning of the First Year students of CSE A & B for PROGRAMMING IN C.

INSTITUTION VISION AND MISSION

VISION

Pursuit of excellence in technical education to create civic responsibility with competency.

MISSION

- To impart the attributes of global engineers to face industrial challenges with social relevance.
- To indoctrinate as front runners through moral practices.
- To attain the skills through lifelong learning.

PROGRAMME OUTCOMES OF ENGINEERING DEGREE AND MCA

PO1— Engineering knowledge— Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2— Problem analysis— Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3— Design/development of solutions— Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4— Conduct investigations of complex problems— Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5— Modern tool usage— Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6— The engineer and society— Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7— Environment and sustainability— Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8— Ethics— Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9— Individual and team work— Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10— Communication— Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11— Project management and finance— Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12— Life-long learning— Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM OUTCOMES OF MBA

PO1— Ability to apply the business acumen gained in practice.

PO2— Ability to understand and solve managerial issues.

PO3— Ability to communicate and negotiate effectively, to achieve organizational and individual goals.

PO4— Ability to upgrade their professional and managerial skills in their workplace.

PO5— Ability to explore and reflect about managerial challenges, develop informed managerial decisions in a dynamically unstable environment.

PO6— Ability to take up challenging assignments.

PO7— Ability to understand one's own ability to set achievable targets and complete them.

PO8— Ability to pursue lifelong learning.

PO9— To have a fulfilling business career.

◎ DEPARTMENT OF BIOTECHNOLOGY

Vision

To be a Center of perfection in the field of biotechnology prepared to make graduates who attempt for the welfare of humanity.

Mission

- To confer quality instruction for long lasting proficient development and opportunity in an extensive variety of Careers.
- To multiply profound established learning
- To make mindfulness towards socio-moral ramifications of possibilities of biotechnology

Programme Educational Objectives (PEOs)

Our biotechnology graduates will

PEO1— Have a thorough knowledge on the fundamentals of applied biological sciences and build their career in this field.

PEO2— Implement their acquired knowledge in fields such as advanced biochemical engineering and associated downstream processing techniques.

PEO3— Understand the recent developments in the field of biotechnology with advanced focus on research and development and pursue their research goals.

PEO4— Ethically solve problems related to their field of expertise using their communication and management skills

Programme Specific Outcomes (PSOs)

PSO1— To characterize and synthesize commercially important enzymes, bioactive compounds, probiotics and novel drugs.

PSO2— Will have exposure to advanced technologies in the field of fermentation and downstream technology.

PSO3— Will have broad knowledge in recombinant DNA Technology

PSO4— Will have knowledge on ethical, environmental and social awareness

◎ DEPARTMENT OF CHEMICAL ENGINEERING

Vision

To equip the nation with human resources having Chemical Engineering expertise and concern towards the environment.

Mission

- To nourish students in Chemical Engineering fundamentals.
- To facilitate for continuous updating of their knowledge.
- To enthuse the students to involve in interdisciplinary studies and research.
- To inculcate values of ethics, leadership and professional integrity

Program Educational Objectives (PEOs)

Our graduates will,

PEO1— have the potential to work effectively as individuals and as well as in teams in the field of Chemical Engineering and allied disciplines.

PEO2— have the ability to pursue higher studies and research through continuous and lifelong learning.

PEO3— engage in career development through entrepreneurial skills with a sense of social responsibility considering ethical, economical, environmental factors.

Programme Specific Outcomes (PSOs)

PSO1— The ability to develop model, design, optimize a new energy efficient process for new chemical industries.

PSO2— Ability to apply knowledge to modify the existing process to be feasible and sustainable.

PSO3— To expose the students to the dynamic environment to successfully face the job market with confidence and competency.

◎ DEPARTMENT OF CIVIL ENGINEERING

Vision

Create a responsible Civil Engineer with a technical competence and managerial ability in various Civil Engineering disciplines to achieve the expectation of stakeholders and to build our Nation.

Mission

- To educate, inspire and mentor future Civil Engineering Technocrats for serving the society and nation.
- To create, disseminate and integrate Civil Engineering knowledge through quality teaching practices for solving real world problems.
- To promote innovative thinking, quantitative reasoning, attitude and skills of Civil Engineers for handling the challenges in the future.

Program Educational Objectives (PEOs)

PEO1— Graduates will acquire the knowledge from Civil Engineering Program to contribute as competent technical professionals at entry level or middle level in an Organization.

PEO2— Graduates will evolve to possess specialized domain knowledge in Civil Engineering through higher education.

PEO3— Graduates will utilize best practices bestowed by the Civil Engineering Program to excel as comprehensive entrepreneurs.

Programme Specific Outcomes (PSOs)

By the time of graduation, the Under Graduate Civil Engineering students can achieve;

PSO1— Apply fundamental knowledge in mathematics, science and engineering for contributing to higher studies, teaching profession, research activities, and development of civil engineering and allied fields.

PSO2— Utilize computational methods and analytical techniques for planning and analyzing civil engineering real life problems, designing the safe, economic and social acceptable structures and managing technical activities involved in civil engineering and allied projects

PSO3— Exhibit ethics in collaboration with other members of multi-domain professional teams for the development of national sustainability.

By the time of graduation, the Post Graduate Civil Engineering students can achieve;

PSO1— Apply advanced knowledge for planning, analyzing and designing the civil engineering and allied projects.

PSO2— Work effectively on teams of multi-domain professional to enhance the problem solving process using appropriate techniques and tools.

◎ DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Vision

To blend academic learning process and innovative ideas producing self-confident graduates with skills and knowledge to compete in the changing world.

Mission

- To provide strong basic knowledge in Computer Science and Engineering.
- To motivate the students to function as a team from their innovative ideas in collaboration with the industries.
- To enable the students to lead and adapt to the growing environment.

Programme Educational Objectives (PEOS)

Our Computer Science Graduates will

PEO1— Embark upon successful professional practice in Computer Science and Engineering, displaying supportive and leadership roles.

PEO2— Engage in professional projects requiring teamwork and making valuable contributions to design, development, and production in the practice of Computer Science and Engineering or application areas.

PEO3— Equip to adapt and grow with changes in technology and globalization, and to pursue higher studies and research activities.

PEO4— Be capable of productive employment in the field of Computer Science and Engineering with competing technical expertise, good interpersonal skill.

PEO5— Utilize their broad educational experience, ethics, and professionalism to make a positive impact on their local and professional communities.

Programme Specific Outcomes (PSOs)

By the time of graduation, the undergraduate Computer Science and Engineering students can achieve :

PSO 1— Designing Computer/Electronic based components which would serve social environment.

PSO 2— Applying the current and gained knowledge and modern techniques not only in the Computers but in all related fields.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Vision

To ascend as a focal point of scholarly prominence in Communication technocrats and related fields through learning procurement and proliferation addressing global requirements and guidelines.

Mission

- Granting quality instruction by instilling principal information in hardware and correspondence designing with due spotlight on examination and industry hones.
- To proliferate long lasting learning.
- To grant the right extent of information, states of mind and morals in understudies to empower them take up positions of duty in the general public and make noteworthy commitments.

Programme Educational Objectives (PEOs)

PEO1— Graduates might pursue a career eminence in electronic and communication engineering or associated industries or higher education and research, or as entrepreneurs.

PEO2— Graduates might exhibit the capability and demeanor to acclimatize sprouting technical challenges.

PEO3— Graduates might display specific knowledge of a gamut of Electronics and Communication engineering domains to cater the needs of the society.

Programme Specific Outcomes (PSOs)

A graduate of the Electronics and Communication Engineering Program will have:

PSO1— Exhibit the ability to design and realize solutions by exercising principles of electronics, Digital System design, Integrated Circuits and Signal Processing for Commercial, Industrial and Defense requirements.

PSO2— Comprehend the doctrines of communication systems, computer networks, antennas to cater tele-communication industry requisites.

PSO3— Elucidate contemporary trends and propound feasible product development approaches.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Vision

To rise as a focal point of scholastic incredibleness in electrical and electronics engineering and related fields through learning obtaining and proliferation meeting worldwide practices

Mission

- To support the ability and to encourage the understudies with examination atmosphere in electrical and electronics engineering
- To proliferate deep rooted learning
- To grant the right extent of learning, mentalities and morals in understudies to empower them take up positions of duty in the general public and make critical commitments

Program Educational Objectives (PEOs)

The objective of Electrical and Electronics Engineering Program are:

PEO1— To empower the students with a solid foundation in mathematical, scientific and engineering fundamentals so as to impart the necessary skills to analyze and synthesize electrical circuits, algorithms and to solve Electrical and Electronics Engineering problems.

PEO2— To encourage the students to develop professional and ethical attitudes, effective communication skills, teamwork, multidisciplinary approaches and an ability to relate engineering issues in a broader social context.

PEO3— To make the Graduates to better employability positions and motivate them to engage in learning and pursuing higher studies.

PEO4— To promote students life-long learning process through successful completion of their degrees and continuing education.

Program Specific Outcomes (PSOs)

By the time of graduation, Electrical and Electronics Engineering students can

PSO1— Apply the fundamental knowledge in mathematics, science and engineering to identify, formulate, design and investigate complex electrical engineering problems of electric circuits, analog and digital electronic circuits, electrical machines and power systems.

PSO2— Apply appropriate techniques and modern Engineering hardware and software tools in Electrical engineering such as power system, Electrical machines and power electronics real life problems, to engage in life- long learning and to successfully adapt in multi disciplinary environments.

PSO3— Understand the impact of Professional Engineering solutions in societal and environmental context, commit to professional ethics and communicate with multi-domain professional effectively

◎   DEPARTMENT OF INFORMATION TECHNOLOGY

Vision

To develop as place for scholastic greatness in the field of information technology through creative learning hones

Mission

- To give great instructing and learning environment for quality training in the field of Information technology
- To spread deep rooted learning
- To give the right extent of learning, states of mind and morals in understudies to empower them take up positions of duty in the general public and make huge commitments

Program Educational Objectives (PEOs)

PEO1— Our graduates will exhibit professional skills to design, develop and test software systems for engineering needs.

PEO2— Our graduates will excel as successful Software Professionals.

PEO3— Our graduates will blend learning experience and professionalism to demonstrate a sense of societal and ethical responsibilities to the society.

Programme Specific Outcomes(PSOs)

By the time of graduation, Information Technology students can

PSO1— To expose students with latest technology to face the market successfully.

PSO2— The ability to identify and analyze the user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.

PSO3— The ability to design, implements, and evaluate a computer-based system, process, component, or program to meet desired needs.

PSO4— To be able to effectively integrate IT-based solutions into the user environment.

PSO5— To be able to analyze a problem, and identify and define the computing requirements appropriate to its solution.

◎ DEPARTMENT OF MECHANICAL ENGINEERING

Vision

Educate the student community in curricular and co-curricular activities to fit in mechanical engineering and its allied sectors at global level.

Mission

- To inculcate innovative thinking, quantitative reasoning & attitude.
- To provide opportunities for research & development.
- To promote entrepreneurship and intrapreneurship.

Program Educational Objectives (PEOs)

Our Graduates,

PEO1— Will exhibit technical prowess to solve problems and able to work in multidisciplinary teams lead to deliver significant societal benefits.

PEO2— Will demonstrate professional engineering competence via promotions / positions of increasing responsibility.

PEO3— Will pursue research activities and publish papers, apply for patents, deliver effective conference presentations.

PEO4— Will demonstrate a commitment to the community and the profession through involvement with community / professional organizations / make contributions towards society's greater prosperity.

PEO5— Will demonstrate an understanding of the need for life-long learning via progress.

Programme Specific Program Outcomes (PSO)

By the time of graduation, Mechanical Engineering students can

PSO1— Apply fundamental knowledge in mathematics, science and engineering for contributing to higher studies, teaching profession, research activities, and development of mechanical engineering and allied fields.

PSO2— Apply computational methods and analytical techniques for planning and analyzing mechanical engineering real life problems, designing the safe, economic and managing technical activities involved in mechanical engineering and allied projects.

PSO3— Exhibit ethics in collaboration with other members of multi-domain professional teams for the development of national sustainability.

◎ DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

Vision

National Level distinction and International Visibility in Every Facet of Management Education

Mission

To add to the productive administration of assets, for the monetary development and social improvement, by giving the abilities and information to oversee, and by overhauling the assemblage of learning, through examination and linkages with academicians, honing directors and business houses.

Program Educational Objectives (PEOs)

MBA programme curriculum is designed to prepare the post graduate students

PEO1— To have a thorough understanding of the core aspects of the business.

PEO2— To provide the learners with the management tools to identify, analyze and create business opportunities as well as solve business problems.

PEO3— To prepare them to have a holistic approach towards management functions

PEO4— To motivate them for continuous learning.

PEO5— To inspire and make them practice ethical standards in business.

◎ DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Vision

To develop as a chief learning place for processing, training and instilling human qualities to explain worldwide difficulties.

Mission

- To engage understudies with learning, aptitudes and demeanor to create far reaching registering arrangements that addresses the requirements of the educated community, industry and society.

- To inculcate lifelong learning.

- To exceed expectations in instruction, research, consultancy and Industrial collaboration.

Program Educational Objectives (PEOs)

PEO1— To prepare students to excel in the computing profession by providing solid technical foundations in the field of computer applications.

PEO2— To provide students various computing skills like the analysis, design and development of innovative software products to meet the industry needs.

PEO3— To motivate students to pursue lifelong learning and to do research as computing professionals and scientists.

To motivate students to communicate and function effectively in teams in multidisciplinary fields within the global, societal and environmental context.

VEL TECH HIGH TECH — GENERAL EVENTS

◎   EVENT – 01 — AAVISHKAAR'2018 – A 2 Day Extravaganza

A two day National Conference cum project Expo and Culturals was conducted by Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College from April 2nd 2018 to April 3rd 2018.

DAY 01 – NATIONAL CONFERENCE AND PROJECT EXPO

This multidisciplinary National Conference facilitates the exchange of ideas in innovative topics and serves as a platform for establishing links between research groups from students, faculty, research scholars and representatives from industry. National Conference was conducted on April 2nd 2018.

Ms.Kanchan Khedkar, Group Manager, Senior Business Partner, HCL Technologies was the Chief Guest for the occasion.

Totally 187 papers were received from the delegates from over different colleges from the state. Papers were presented under various categories headed by the session chairs.

List of Session Chairs

◎   *Department of Biotechnology and Chemical Engineering* – **Dr.V.Deepak Samuel**, Scientist, Department of Biotechnology, Anna University

◎   *Department of Civil Engineering* – **Dr.S.Ganapathy Venkata Subramanian**, Professor, Environmental Engineering, Anna University

◎   *Department of Computer Science and Engineering* – **Dr.Sibi Chakravarthy**, Associate Professor, Department of CSE, Anna University

◎   *Department of Electrical and Electronics Engineering* – **Dr.P.Somasundaram**, Associate Professor, Department of EEE, Anna University

◎   *Department of Electronics and Communication Engineering* – **Dr.P.Nirmal Kumar**, Associate Professor, Department of ECE, Anna University

◎ *Department of Information Technology & MCA* – **Dr. Rajesh**, Associate Professor, Department of IT, Anna University

◎ *Department of Mechanical Engineering* – **Dr. K. Annamalai**, Associate Professor, Department of Mechanical Engineering, Anna University

◎ *Department of Master of Business Administration* – **Dr.Ramanathan. V**, Associate Professor, Department of MBA, SCSVMV, Kancheepuram

List of Papers Received

Department of Biotechnology

S. No.	ID	Title	Author(s)	College
1.	NBT007	Effect of Withanolide-A Treated Dendritic Cells on T-Cell Proliferation	Devapriya Segaran	Sri Venkateswara College of Engineering
2.	NBT008	Identifying and Analyzing Natural Extracts for Isolated Synergistic Microbes for Dandruff	Karthick Kumar R	Prathyusha Engineering College
3.	NBT010	Human Gait and Posture Control through Stimulating Footwear	Preethi S	Anna University, Act Campus, Chennai
4.	NBT011	Isolation and Characterization of Rhizosphere Microbes for Plastic Degradation	Kajendran M	Prathyusha Engineering College
5.	NBT012	Comparative Study of Quercetin Level in Five Different Varieties of Indian Onion Wastes.	R.Mangala Kani	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College,Avadi
6.	NBT013	Isolation and Screening of Plasmid DNA Conferring the Ability to Degrade Aromatic Hydrocarbon Benzene and Toluene	Srimathi.V	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
7.	NBT020	Cloning of Mutated Bacillus Subtilis Derived Laccase Gene into E.Coli for its Enhanced Detoxification of Crystal Violet Dye and its Immobilization	Kavitha Shri R. K.	Sri Venkateswara College of Engineering
8.	NBT021	Effect of Conditioned Medium Derived from MCF-7 Cells on Mesenchymal Stem Cell in 3D Spheroidal Cultures	Veveeyan S	Sri Venkateswara College of Engineering
9.	NBT023	Studying the Interaction between MCF-7 and the Mesenchymal Stem Cells using 3d Printed Pla Scaffold as a Co-Culture System	Revathi B	Sri Venkateswara College of Engineering [Autonomous - Affiliated to Anna University]
10.	NBT025	Spheroidal Cultural of MSCS and Mcf7 in Core Shell Pattern as Tumor Model	Swetha S Narayanan	Sri Venkateswara College of Engineering
11.	NBT026	Effect of Gastric Cancer Like Environment on the Antimicrobial Activity of Mesenchymal Stem Cells	Mamta N V	Sri Venkateswara College of Engineering
12.	NBT028	Effect of Pa-824 on Mycobacterium Smegmatis Infected Human Peripheral Blood Derived Macrophages	Hitesh GP	Sri Venkateswara College of Engineering

Department of Chemical Engineering

S. No.	ID	Title	Author(s)	College
1.	NCH001	A Relative Study on Chemical Surfactant and Bio-Surfactant in the EOR Processes	A.Sivasakthi	AMET University
2.	NCH004	Decolourising Mesoporous Molecular Sieve Adsorbent Production by Sol Gel Method using Agricultural Biomass	Ponmani .V	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College Avadi
3.	NCH005	Digestion of Dairy Industry Waste Water-Biogas Evolution	N.Chidambaram	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
4.	NCH008	Biofermentative Production of Itaconic Acid by as Aspergilius	Lavanya	SSN Engineering College

Department of Civil Engineering

S. No.	ID	Title	Author(s)	College
1.	NCE002	Experimental Study on Determining the Feasibility of using Tyre Scraps as Subgrade Soil Stablizer	Arunita Pal	Dr MGR Educational And Research Institute
2.	NCE004	Comparative and Characteristics Study of Polypropylene Fiber Reinforced Concrete	R Harish	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
3.	NCE005	RC Beams Retrofitted by Ferrocement Laminates with Addition of Alccofine	Dinesh Kumar Ms	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
4.	NCE006	An Experimental Investigation on Hollow Sphere Incorporated RCC Beam	M.Manoj Kumar	Veltech Hightech Dr.Rangarajan Dr.Sakunthala Engineering College
5.	NCE007	An Experimental Investigations on High Strength Concrete with Metakolin &Glass Fibre	M.Manoj Kumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
6.	NCE008	Experimental Investigation & Study on the Strength Parameter of Nano Concrete	M.Manoj Kumar	Vel Tech High Dr.Rangarajan Dr.Sakunthala Engineering College
7.	NCE010	Effect of Pressurized Heat Curing on Blended Cement using Silica Fume and Superplasticizer	Dinesh Kumar Ms	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
8.	NCE011	Geopolymer Concrete with the Replacement of GGBFS and M-Sand	K.R.Shruthi	Jeppaair Maamallan Engineering College
9.	NCE012	An Experimental Investigation on Copper Slag Concrete in Bacterial Water and Normal Water	Asanammal Saral J	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
10.	NCE018	Experimental Investigation on Flexural Behavior of Prosopis Juliflora Ash Concrete	Elaiya Bharathi E	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
11.	NCE022	Experimental Study on Partial Replacement of Clayey Soil with Rice Husk on Side Skew Bricks.	Manikandan	Veltech High Dr.Rangarajan Dr.Sakunthala Engineering College

S. No.	ID	Title	Author(s)	College
12.	NCE023	Strengthening of Concrete using CFRP and GFRP	Karthick J	Jeppiaar Maamallan Engineering College
13.	NCE024	Strengthening of RCC Column using S-Glass Scrim Reinforced Ferrocement Jacketing	Gokul Pandian Dcs	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
14.	NCE026	Strengthening of Reinforced Concrete Beam Elements by Wrapping with GFRP	R.Poornima Gandhi	Vel Tech High Tech Dr. Rangarajan Dr.Sakunthala Engineering College
15.	NCE027	Stabilization of Bitumen using Crumb Rubber and Glass Powder	Robin J	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
16.	NCE029	Corrosion Prevention on Coated Rebars and Fiber in R.C Slabs	J.Hathari Evangalin	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
17.	NCE030	Role of Tamarind Kernel Powder for Treating Wastewater	Dr.D.Sivakumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
18.	NCE031	Removal of Hexavalent Chromium using Column Reactor	Dr.D.Sivakumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
19.	NCE032	Civil Engineering	Dr.D.Sivakumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
20.	NCE033	Study on Polystyrene Insulated Concrete Block	Dr.D.Sivakumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
21.	NCE034	Assessment of Groundwater Stability Through Irrigation Indices	Dr.D.Sivakumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
22.	NCE035	Kinetics Study on Removal of Colour from Textile Industry Wastewater	Dr.D.Sivakumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
23.	NCE036	Kinetic Study on Removal of Copper using Dead Saccharomyces Cerevisiae	Dr.D.Sivakumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
24.	NCE037	Role of Bamboo on Removal of Nickel from Aqueous Solution	Dr.D.Sivakumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
25.	NCE039	Experimental Study on Partial Replacement of Cement by using Agriculture Waste in Concrete	Anjala D	Vel Tech High-Tech Dr.Rangarajan Dr.Sakunthala Engineering College
26.	NCE040	Enhancement of Properties of Copper Slag with and Without Basalt Fibre	Kishore Rs	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
27.	NCE041	A Study on the Capacity of Neem Powder as Natural Corrosion Inhibitor in Steel Reinforcement	A.Devanandhu	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
28.	NCE042	Mechanical Strength of Polyolefin Fibre Reinforced Concrete	N.Suman	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College

S. No.	ID	Title	Author(s)	College
29.	NCE043	Study on Load Carrying Capacity of Ferrocement Beam Elements	Marella Vishnu Vardhan Rao	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
30.	NCE044	Partial Replacement of Binder and Fine Aggregate by Silica Fume and Copper Slag in Concrete	K.N.R. Thesarajan	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
31.	NCE045	Study on Strength Properties of Hybrid Fibre Reinforced Concrete	Thendral Sundararsan	Bharath University
32.	NCE056	Behavioural Analysis of CO_2 Bricks	Balaji	KVCET
33.	NCE057	Experimental Investigation on High Performance Concrete	Monika	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
34.	NCE058	A Study of Nanosilica on the Properties of Concrete	Shakthivel	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
35.	NCE059	Replacement of Steel Slag Coerse Aggregate	Rushitha Sai G	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College

Department of Computer Science and Engineering

S. No.	ID	Title	Author(s)	College
1.	NCS004	Quantum Computer	Anupriya T	Sri Sairam Institute of Technology
2.	NCS006	IoT Based Protection System for Sewage Workers	R.Sri Sathia	Panimalar Engineering College
3.	NCS007	Competitive Mining from Social Media Reviews	Ravina S	St.Joseph's Institute of Technology
4.	NCS016	Smart Reflect - A Modular Smart Mirror Application	Vignesh Manikandan	St. Joseph's College of Engineering
5.	NCS019	Providing Secure Data Transmission in Public Infrastructure Cloud	Gayathri.M	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
6.	NCS020	Iot Based Smart Irrigation and Anti-Flooding System using Raspberry Pi	Prudvi Sai Durga Madhavi Priya	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
7.	NCS022	Dynamic Key Generation in Multi Cloud using Cryptographic Technique	Balaji.E	Veltech High Tech Dr Rangarajan Dr Sakunthala Engineering College
8.	NCS023	Reduction of Irrelevant Document Retrieval	Aishwarya.S	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
9.	NCS024	Temporal Token Based Aunthentication for Ip Traceback	R.Chandni	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
10.	NCS025	Smart Patient Health Monitoring System	Esshwar Kishore.R	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College

S. No.	ID	Title	Author(s)	College
11.	NCS026	Advanced Orchestrating Bulk Data Transfer Across Geo Distributed Data Centers	Gowtham S	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
12.	NCS027	Virtual Machines Memory Control	A.Revathy	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
13.	NCS028	Prevention and Detection of Cloak and Dagger	G.Tejaswini	Vel Tech High Tech Dr. Rangarajan Dr.Sakunthala Engineering College
14.	NCS029	Reduced Energy Management on Atm's Air Conditioners using Iot	Daphnne Cenitabel .V	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
15.	NCS030	Preserving High-Order Possibilistic C-Means Algorithm for Big Data Clustering with Cloud Computing.	Bharathi R	Veltech High Tech Dr Rangarajan Dr Sakunthala Engineering College
16.	NCS031	Cattle Feed Grass Cutter	K. Nanda Krishna Teja	Veltech University
17.	NCS037	Reducing Effectiveness of Gray Hole Attack	E.Sushmitha	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
18.	NCS042	Iot Based Queue Detection System	R.Likitha	Veltech Hightech Dr.Rangarajan Dr.Sakunthala Engineering College
19.	NCS056	Dangerous Selfie	Vincent Helmen.S	Veltech Hightech Dr Rangarajan Dr Sakunthala Engineering College
20.	NCS062	Image Source Detection on Social Network using Image Classification	R.Prabakaran	Vel Tech High Tech Dr.Rangarajan Dr Sakunthala Engineering College
21.	NCS063	Train Ticket Inspection and Validation using Biometrics	P.Kishore	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
22.	NCS065	Authentication and Ignition of Vehicle using Raspberry Pi	Dinesh. M	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
23.	NCS066	An Iot Based Approach for Fire Prevention and Detection	Raj Kumar C	Jeppiaar Maamallan Engineering College
24.	NCS072	Analytical Architecture of Big Data in Real Time for Remote Sensing Application	N.Vijayarahavi	Veltech Hightech Dr.Rangarajan Dr.Sakunthala Engineering College
25.	NCS073	Smart Assistant for Visually Impaired	Swetha M	Rajalakshmi Engineering College
26.	NCS075	Survey to Improve Accessibility for Person with Disabilities	K.Poojitha	Vel Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
27.	NCS081	Design and Implementation of Privacy in Android Mobile using Reversing and Dynamic Privacy Management	B.Preethi	Veltech High Tech Dr Rangarajan Dr Sakunthala Engineering College

S. No.	ID	Title	Author(s)	College
28.	NCS084	Home Assistance Robotics	S.Nithin Vishnu	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
29.	NCS085	Detection of Hoax in Social Network	Sanjai Kiran	St.Joseph's College

Department of Electrical and Electronics Engineering

S. No.	ID	Title	Author(s)	College
1.	NEC009	Processing of Images of Garbage on Railway Tracks using Ni Vision	Jyothi Sravanthi.A	Prathyusha Engineering College
2.	NEC011	Underwater Communication for Submarines using Elf Signals	S. Priyanka	Prathyusha Engineering College
3.	NEC016	Speech Reconstruction using MFCC and Fundamental Frequency for Voice Conversion	Pavithra. N	Prathyusha Engineering College
4.	NEC019	Cybernetic Home using Machine Learning	Arjun Bharath S	Knowledge Institute of Technology
5.	NEC020	Electronic Voting Machine using Fingerprint	Dr. Preetha.R	Rajalakshmi Institute of Technology
6.	NEC023	Detection of Brain Stages using BCI with EEG in Arduino	Kalpana.R	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
7.	NEC027	Non Invasive Blood Glucose Measurement using Thermoelectric Generator (TEG Sensor)	Ramraj. A	Anna University /Rajalakshmi Institute of Technology
8.	NEC033	Design of an Automated Dam Safety and Deformation Monitoring System using IoT Modem	Lakshmipriya R	Jeppiaar Maamallan Engineering College
9.	NEC036	Development of Non-Wearable Device for Sleep Apnea Patients using UWB Radar	Hema Nandhini V B	Rajalakshmi Institute of Technology
10.	NEC037	Design and Testing of Monopole Based Wearable Textile Antenna for Radar Applications	Jannani.V.K	Rajalakshmi Institute of Technology
11.	NEC042	Bronchogenic Carcinoma Identification with X-Ray Image using Fuzzy C Means	Vignesh K	Vel Tech High Tech Dr.Ranagarajan Dr.Sakunthala Engineering College
12.	NEC048	Early Stage Diagnosis of Disease in all parts of the Body by using Iris Image	Vela R	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
13.	NEC049	Switchable Band Elimination Filter for Reducing EMI / EMC	A Aishwarya	Jerusalem College of Engineering
14.	NEC055	Performance Improvement of Wireless Communication Networks using Aack System for Receiver Blocking Problem	Aishwarya. J. K.	Jeppiaar Mamallan Engineering College

Department of Electrical and Electronics Engineering

S. No.	ID	Title	Author(s)	College
1.	NEE003	Smart Street Light	G. Rajagopalan	SRM Institute of Science and Technology
2.	NEE004	Object Detection Train Speed Control System	T.Karthikeyan	GKM College of Engineering and Technology
3.	NEE005	Integrated Home Automation and Advanced Home Security	K.Logesh	GKM College of Engineering and Technology
4.	NEE009	Energy Efficient Smart Lighting System	Ramya.S	RVS Padmavathy College of Engineering and Technology
5.	NEE010	The Effect of Shading on Solar Panel Under the Bypass Diode Condition	A.Ganesh Vijay	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College
6.	NEE013	Single Stage three Phase PV System Applied to Microgrid for Power Quality Improvement	Janani.R	G.K.M College of Engineering and Technology
7.	NEE014	ATM Smart Security System	Sailakashmi. B	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College
8.	NEE018	Solar Panel and Battery Operated Streetlight Monitoring System Using IoT in Smart Way	Surekha.E, Monisha.M, Nandhini.R	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College
9.	NEE019	Nine Switch Three Phase Multilevel Inverter for Solar Power Integration	Prem Kumar M Sriram Jayaraman Yuvaraja S	Prathyusha Engineering College

Department of Information Technology

S. No.	ID	Title	Author(s)	College
1.	NIT005	Smart Ambulance with Traffic Control	Vasanth S	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
2.	NIT007	Secure Relay Selection and Attack Prevention Technique for Energy Harvesting Networks	Deepa Lakshmi.S	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
3.	NIT008	Human Welfare Safety and Prevention System	V.Ragunapriya	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
4.	NIT009	Data Prevention from Network Hacking using Wireless Sensor Networks	M.Subash	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
5.	NIT010	Big Data Integration of Disease Detection with Drug Recommendation using Machine Learning.	Prasanna K	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
6.	NIT011	Comparative Analysis of Machine Learning Algorithms to Identify Churn for Telecom Data	R.Praveen Kumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
7.	NIT012	Improve Results Accuracy with Multi Keyword Search Over Encrypted Cloud Data	Preethi. M	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College

S. No.	ID	Title	Author(s)	College
8.	NIT013	A Driver Sleep Detection System	Manikkavethan.R	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
9.	NIT017	Anotation of EEG Signals for D2D Vehicular System	Monika S	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
10.	NIT018	Augmented Reality Virtual Keyboard with Eyeball Movement Based Cursor Control using Raspberry Pi	Nalina S	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
11.	NIT019	Dermatological Disease Detection using Deep Learning and Ensemble Feature	K.V. Uvashree	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College

Department of Mechanical Engineering

S. No	ID	Title	Author(s)	College
1.	NME002	Vertical Axis Wind Mill with Auto Engage and Disengage of Electrical Load	Hariharan P	St. Joseph's Institute of Technology
2.	NME003	Experimental Analysis of Jatropha Methyl Ester as an Alternative Fuel in Diesel Engine	Prithivi Raj	RMK College of Engineering and Technology
3.	NME005	Two Wheeler Aerobraking System	T.V.B.Babu	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
4.	NME006	Design and Simulation of Automated Swaging Machine	Sri Ranga Ramanujaa V	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
5.	NME008	Development of Test Rig for Centrifugal Air Strainer	Nandhakumar S	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
6.	NME009	Experimental Investigation of EDM on Ti6al4v using Different Shaped Electrodes	Muppala Jagadeesh Varma	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
7.	NME010	Automatic Pressing Machine	M. Rahul	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
8.	NME011	Latent Clutch Mechanism (LCM)	Vignesh.M	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
9.	NME012	Analysis of Energy Loss Through Conventional Refractory Lining in Refinery Heater and It's Conservation Measures	Ravi Shankar S	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
10.	NME013	Design and Fabrication of Pick and Place Robot by using Android Mobile	A Mohanraj	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
11.	NME014	Reactive Braking System	Rahul S	Vel Tech High Tech Dr. Rangarajan Dr.Sakunthala Engineering College

S. No	ID	Title	Author(s)	College
12.	NME015	Design and Fabrication of Lifting Beam for Air Pre Heater Centre Section Parts	Ilaiyarasu T	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
13.	NME016	Design and Fabrication of Intelligent Braking System	M.Kishore	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
14.	NME017	A Review of Mobile Oil Skimmer	Arun Pragathish M	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
15.	NME018	Design and Manufacturing of Fixture for Elbow Edge Preparation	S.Jasim Salahudin	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
16.	NME019	Mini Steam Power Plant using Natural Blender	Naresh Kumar. G	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
17.	NME020	Design and Analysis of Battery Box Lifter	K.R.Siddaarthan	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
18.	NME021	Lean Implementation in Tcl Cell	Selvamoorthy M	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
19.	NME022	Analysis and Replacement of Air Suspension to Parabolic Leaf Spring Suspension System	Chandan Singh R	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
20.	NME023	Automatic Lubrication in Two Wheeler Chain Sprocket.	S.Sachin Kumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
21.	NME024	Quality Improvement Through Mechanisation of Tail Gate Weather Strip Assembly Process	D.Logeshwaran	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
22.	NME025	Electric Discharge Machining Over Inconel 825 using Coated and Non-Coated Copper Electrode	Monesh.D	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
23.	NME026	Effect of Water Absorption on the Tensile Behaviour of Synthetic Fiber Reinforced Polymer	M.Muralidharan	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
24.	NME027	Effect of Moisture Absorption on the Tensile Behavior of Woven Hybrid Natural Fiber Reinforced Polymer Composites	Satheesh Kumar S	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
25.	NME028	Sandblast Cleaning of Buffer Case for Crack Detection	Akshay Kumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
26.	NME029	Recent Trends in Biodiesel with a Fish Fat and Beef Fat.	Vinoth Kumar.V	Velammal Institute of Technology
27.	NME030	Graphene Used as Rechargable Batteries in Electrical Vehicles.	Vamsi Krishna P	Velammal Institute of Technology

S. No	ID	Title	Author(s)	College
28.	NME031	Design Analysis and Rejection Analysis of Cartridge Tapered Roller Bearing	Ahmadullah.A	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
29.	NME032	Experimental Analysis of Circularity and Taperness During Abrasive Water Jet Machining (Awjm) of Ti-6al-4v	S.Rajamanickam	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
30.	NME033	Design and Analysis of Fixture for Measuring Torque in Metric Bolt	C.Gokul Karthik	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
31.	NME034	Productivity Improvement and Cost Reduction in Hydraulic Cylinder	T.R.Adhithyan	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
32.	NME036	Reduction of Blowholes in Aluminium High Pressure Die Casting Machine	Vinoth Kanna P	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
33.	NME037	Design and Fabrication of Garbage Collector on Beach using Solar Power	E Barath Kumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
34.	NME042	Sensitive Steering System	Sri Nikethan S	Sri Sai Ram Engineering College
35.	NME046	Design and Analysis of Clamp in Welding a Power House Structure Column - Review	Rakesh	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
36.	NME047	Critical Review on Design of Fixture for Rotor Post	Refugene James Dev S	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
37.	NME048	Design and Fabrication of Portable Bar Bender	Aasik Ahamed .N	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
38.	NME050	Comparative Design and Analysis of Helical and Wave Spring	Arvinth R	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
39.	NME051	Hydro-Pneumatic Crane for Automobiles	Theyagarajan.K	Vel Tech High Tech Dr.Rangarajan Dr. Sakunthala Engineering College
40.	NME052	Design and Analysis of Hard Hat using Jute and Glass Fibre Reinforced Composite Material	Madhana Surender R	Vel Tech High Tech Dr.Rangarajan Dr. Sakunthala Engineering College
41.	NME053	Multi Technological Vehicle for Physically Challenged Persons	S.Arun	N.S.N.College of Engineering and Technology,Karur
42.	NME054	Rejection Analysis of Rail Wheels	Rohini M	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
43.	NME056	Studies on Wear Behaviour of Aluminium 6061alloy Reinforced with B4c & Mica Particulates Hybrid Metal Matrix Composite	Dr.K.Arumugam	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
44.	NME057	Charge Air-Cooler FTT Improvement on Crimping Process	R.Prasanth	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College

Department of Master of Business Administration

S. No	ID	Title	Author(s)	College
1.	NMB002	Digital India and Its Impact on Indian Economy	Yuvaraj.J	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
2.	NMB003	The Challenges Faced by HR Managers Today	Dharaneshwaran Sivamani	S.A.Engineering College
3.	NMB005	Social Media Marketing	Divakar.A	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
4.	NMB006	Impact of Demonstration in Banking Sector	Sathish Kumar	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
5.	NMB008	Employee Engagement	Panner Selvam	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
6.	NMB009	An Enhanced Smart Multiple Account E-Banking Integrated System with OTP and Face Recognition - Service Oriented Approach	Hema Latha.S	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
7.	NMB010	Marketing Analytics	Pradeep. H	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
8.	NMB011	Innovation and Creativity in Entrepreneurship	Khamrunnisa.A	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
9.	NMB012	Social Network Marketing Trends and Challenges	Kathir Vel.S	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
10.	NMB013	Internet Marketing	Karthik.K	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
11.	NMB014	Importance of Wholesale Competition to Market Performance	Jones Jebasingh J	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
12.	NMB015	Gst: an Economic Overview: Challenges and Impact Ahead	Divya R.V	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
13.	NMB016	Usage of Social Networking in Recruitment & Selection Process	Shanmuga Raj N	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
14.	NMB018	Marketing Analytics	R.Rajeshwari	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
15.	NMB019	Digital India-Future Challenges and Innovative Trend	G.Gopinath	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
16.	NMB020	Retail Marketing	A.S.Archana	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
17.	NMB021	E-Business in Digital India	N.Saravanan	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
18.	NMB022	A Study on Consumer Buyuing Behaviour on Mobile Phone	Sandhiya S	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
19.	NMB023	Corporate Social Responsibility	D.V.S.D.Sriram	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
20.	NMB024	Employee Motivation	Alfiya Sherin	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
21.	NMB025	Financial System in India	Jayashree S	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College

Department of Master of Computer Applications

S. No.	ID	Title	Author(s)	College
1.	NMC002	Controlling Deception in Nutritious Meal System	Karthick S	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
2.	NMC003	Medical Geo Search using Android Application	Kabil S	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
3.	NMC004	Drone Technology	Aswin Kumar .K	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
4.	NMC005	System Based Analysis of Global Usages in Internet of Things [IoT]	S.Poovarasan	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
5.	NMC006	Online Crime Reporting System	Adarsh Kumar Singh	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
6.	NMC007	Quality Analysis of Basmati Rice using Image Processing	B Veerabhadra	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
7.	NMC011	A Study Based on Smart Parking Slot Allocation and Navigation using Iot	Mursitha Shrin A	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
8.	NMC015	Bio Metrics	Rakesh R	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College

Project Expo

Project Expo aims to serve as a platform for young budding engineers to showcase their technical talents and their areas of interest. Totally 71 Projects from different colleges were exhibited on the day.

List of Project Exhibits

S No	Project Expo ID	Participants	Department	Project Title	Institution
1.	PBT001	E. Divya,A. Kowsalya.V. Bhavani Poojitha	Biotechnology	Vermi Composting in Food Waste and Types of Irrigation	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
2.	PBT003	A.Vinitha Kumari, V.Vishnupriya, S.Divya	Biotechnology	Algal Biodiesel	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
3.	PCH001	V.Karuppasamy.R. Pradhishkanna	Biotechnology	Artificial Wind Tree	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
4.	PCH002	J. Iyyappan, M.Suresh,A. Pravin	Chemical Engineering	Sorption if Acid Blue 9 using Hydrilla Verticillata Biomass-Optimization, Equilibrium, and Kinetics Studies	Annamalai University
5.	PCE001	Y.Devanraj , A.Charlash lmmanuvel	Civil Engineering	Mission APJ	IFET College of Engineering
6.	PCE002	S.Rokesh, S.Rajasekar, A.Rahulraj, N.Premkumar	Civil Engineering	Stability securitization of roof top telecommunication tower as per IS 875:2015 (PART-3)	Prathyusha Engineering College
7.	PCE003	Balaji.B, Dhanesh Kumar.A	Civil Engineering	Behavioral Analysis of Carbon-Di-Oxide Bricks	Karpaga Vinayaga College of Engineering and Technology
8.	PCE004	Sarath Kumar A, Vishnu Kumar P, Harish B	Civil Engineering	Light Weight Bricks using Sugarcane Bagasse	J.N.N Institute of Engineering
9.	PCE005	Venkatraj,Sakthivel, Saravanan, Rajesh	Civil Engineering	Strength Characteristics of the Zeolite Cement Concrete	J N N Institute of Engineering
10.	PCS001	Nivetha M A, Shajini V, Shaik Ruksaar	Computer Science and Engineering	Development of test for audio visual perception	Prathyusha Engineering College
11.	PCS002	Imaya Bharathi S, Haresh Kumar G, Mohamed Imran KS	Computer Science and Engineering	Data Security using GOS System	Anna University Tindivanam
12.	PCS003	S.Mohanlal, Franklin David, Abishek raj	Computer Science and Engineering	College app	Prathyusha Engineering College
13.	PCS004	Kranthi Kumar Pathem	Computer Science and Engineering	Smart car parking application using IOT	Sree Vidyanikethan Engineering College
14.	PCS005	N Sahil Chowdary, N Vamsi Kiran Reddy, N Srinadh	Computer Science and Engineering	De-duplication of encrypted data in cloud	Prathyusha Engineering College

S No	Project Expo ID	Participants	Department	Project Title	Institution
15.	PCS006	Nivedha.P,Shaik Salma, Nithya.R	Computer Science and Engineering	Intelligent Drone for Industrial Inspection	Prathyusha Engineering College
16.	PCS007	Kalaivani J, Keerthiga M, Nivedha T	Computer Science and Engineering	Visual Surveillance Based Video Summarization System	KCG College of Technology
17.	PCS008	Manoj Sathiaraj, Mukilan Elangovan, Pradeep Yuvaraja,	Computer Science and Engineering	Smart Assistive Navigation and Accessibility System for Visually Impaired	Sri Sairam Engineering College
18.	PCS009	P.Vaishnavi,Y.Anil Reddy,M. Srinadh Reddy, G. Swathi	Computer Science and Engineering	IOT Based Water Distribution System	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
19.	PCS010	Yaswanth Sai Palaghat, Sai Sahithya ponguru	Computer Science and Engineering	Detecting the face attributes using cognitive services	Narayana Engineering College Gudur
20.	PCS011	C.Charan Tej, B.Yuvaraj	Computer Science and Engineering	Smart Farming with IOT	Sree Vidyanikethan Engineering College
21.	PCS012	R Vigneshwaran	Computer Science and Engineering	Future Keyboard	A.V.C College of Engineering
22.	PCS013	Balaji.K, Geetha.R, Vignesh.S, Bhuvaneshwari.E	Computer Science and Engineering	Smart Agro Consultant	Prathyusha Engineering College
23.	PCS014	Ajay B, Karthikeyan A	Computer Science and Engineering	Home Automation	Prathyusha Engineering College
24.	PCS015	Girish .S, Rubesh .E	Computer Science and Engineering	Android App Theft Detection	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
25.	PCS016	K. Dinesh Kumar, Kavitha. V, Hari krishnan. K, Geetha Vani Amritha. S	Computer Science and Engineering	Marketing Agri Products without Inter-Agent (Kisan Helper)	University College of Engineering, Kancheepuram
26.	PCS017	M.V.Navin, B.Jayashree	Computer Science and Engineering	Social Platform for Trans-gender	University College of Engineering, Kancheepuram
27.	PCS018	Daphne Cenitabel.V, N.Priya	Computer Science and Engineering	Reduced Energy Management on ATM'S Air Conditioners using IOT	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
28.	PEC001	Meenatchi, Pavithra, Mahalakshmi	Electronics and Communication Engineering	Smart sensors technique to detect the comatose patient using OLC	MIET
29.	PEC002	Pooja M, Rahamath Nisha, Reshma S	Electronics and Communication Engineering	Smart Farming e-Monitoring System	Prathyusha Engineering College

S No	Project Expo ID	Participants	Department	Project Title	Institution
30.	PEC003	R.Jayakumar, S.N.Karthikeyan, M.NaveenPerumal	Electronics and Communication Engineering	Traffic control using RFID	Sri Sairam Engineering College
31.	PEC004	Rajaa Saravanan.A, Viknesh.R, Surya Prasanth.J	Electronics and Communication Engineering	Design and Implementation of an Artificial Intelligence Based Autonomous Vehicle Using Machine Learning	Jeppiaar Maamallan Engineering College
32.	PEC005	E.Saranya, E. Shanthi Priya, N. Vinisha P. Arthi Devarani (M.E)	Electronics and Communication Engineering	Automatic Forest Tree Protection using Robotics	RMK College of Engineering and Technology
33.	PEC007	Surya Meghana P S, Kannan C	Electronics and Communication Engineering	Detection of Pathogenic Cells using Cell Phone Microscope	Sri Sai Ram Engineering College
34.	PEC010	Arunkumar, Muhatasim aaqib, Rajinesh	Electronics and Communication Engineering	Google pi	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
35.	PEC011	Ashok.k, BarathKumar.S, BharathKumar.D	Electronics and Communication Engineering	Computer Control using Hand Gestures	Rajalakshmi Engineering College
36.	PEC015	B.Sanjai kumar, Y.Venkatesh, B.Sri ganesh	Electronics and Communication Engineering	Auto Vehicle Speed Controller	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
37.	PEC016	G.Pranauv, Ajay.S. S,Sandeep .B.S, R.Karthikeyan	Electronics and Communication Engineering	Gesture Controlled Door Lock System	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College
38.	PEE001	Mothilalnehru	Electronics and Communication Engineering	Automated Engine Control While using Mobile Phone during Driving	St.Joseph's College of Engineering
39.	PEE002	Prem kumar P, Deotus W, Kathir S, Prasad T	Electronics and Communication Engineering	Autonomous Water Tank Cleaning Robot for Indian Household	Ramco Institute of Technology
40.	PEE003	Balamurugan K, Moses Stephen P, Sathesh N, Ponraj M	Electronics and Communication Engineering	Cascaded Multilevel Inverter for Household Appliances	Ramco Institute of Technology
41.	PEE004	L.Aishwariya	Electronics and Communication Engineering	Gesture Controlled Robot	S.A Engineering College
42.	PEE005	Lal Krishna	Electronics and Communication Engineering	Modern Technology	Sri Venkateshwara College of Engineering
43.	PEE006	S.Nitish Khanna, S.Nivedhan	Electrical and Electronics Engineering	Google Home	Panimalar Engineering College

S No	Project Expo ID	Participants	Department	Project Title	Institution
44.	PEE007	Bhuvaneshwaran	Electrical and Electronics Engineering	Electricity Roads	Vel Tech (Owned by RS Trust)
45.	PEE008	K.Thineshkumar, V.Sakthiponsuresh, U.Kameswhwaran, D.Leonard Michael	Electrical and Electronics Engineering	Obstacle Avoiding Robot Car	Vel Tech Multi Tech Engineering College
46.	PEE009	V.Kannan, M.Ajith, M.Vijay, C.Nagarjuna	Electrical and Electronics Engineering	Implementation of New Battery In E-Vehicle Technology and Smart Grid Intelligence by using PSO Techniques	RVS Padmavathy College of Engineering and Technology
47.	PEE010	Indra Kumar.S, Manoj Kumar.R	Electrical and Electronics Engineering	Raspberry Pi Controlled Automatic Waste Segregator	Vel Tech (Owned by RS Trust)
48.	PEE012	E.Iswarya, R.Janani	Electrical and Electronics Engineering	Single Stage Three Phase PV System Applied To Micro grid for Power Quality Improvement	Vel Tech Multi Tech Dr.Rangaran Dr.Sakunthala Engineering College
49.	PEE014	S. Sathish Kumar, A. Gnana Sekaran	Electrical and Electronics Engineering	Futuristic Smart Eco – Bike	Tagore Engineering College
50.	PEE015	Amal Krishna Dinesan, Sundar Raaj V, V. Jayanth	Electrical and Electronics Engineering	Smart House Appliances using IOC	Vel Tech High Tech Dr Rangarajan Dr Sakunthala Engineering College
51.	PEE016	Krithika.K.J, Gerray Hemalatha, Harini.R	Electrical and Electronics Engineering	Design of Condenser Cooling System using Lab View	Sri Sairam Engineering College
52.	PEE017	Deepika J, Sangeetha Baskar,Sadhana R	Electrical and Electronics Engineering	Detection of Volatile Organic Compound using Electrochemical Sensor	Sri Sairam Engineering College
53.	PIT001	Deepika J, Sangeetha Baskar,Sadhana R	Department of Information Technology	Recommended Correlation Anticipated For Chorography & Non-chorography Nexus	Prathyusha Engineering College
54.	PIT002	S.Kalyani, P.Umamageswari, V.Suganya	Department of Information Technology	Tracking Expiration by RFID	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
55.	PIT003	R.Alagu	Department of Information Technology	Brute Force Using Artificial Intelligence	Meenakshi Sudararajan Engineering College
56.	PME001	S.Harish, M.Karthick Kumar,K.G.Karthik D.Karthik	Department of Mechanical Engineering	Laser Engraving Machine	S A Engineering College

S No	Project Expo ID	Participants	Department	Project Title	Institution
57.	PME002	V.G.Kalyana Varadhan , Kishore Bajrang, M,N.Gowtham, P.Kumaresh	Department of Mechanical Engineering	Low cost desktop 3D printing machine	S.A Engineering College
58.	PME004	Vishnu, Vetrivel, Rithesh kumar	Department of Mechanical Engineering	Automatic Tyre Inflation System with Refilling System	PERI Institute of Technology
59.	PME005	Vignesh CS, E.Gokul, Pradeep	Department Of Mechanical Engineering	Automatic Glass Wall Cleaning Machine	Kongu Engineering College, Velammal Institute of Technology, RMD College of Engineering
60.	PME009	Maheshvar S, D.Mehipal Singh, S.Mohan Ram	Department of Mechanical Engineering	Design and Development of Smart Dustbin	Saveetha Engineering College
61.	PME012	Mohanraj A, Jeneeshwar, Manoj Kumar K	Department of Mechanical Engineering	Design and Fabrication of Pick and Place Robot by Using Android Mobile	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College,
62.	PME013	Karthi R, Kishore M, Kuppusamy K	Department of Mechanical Engineering	Design and Fabrication of Intelligent Braking System	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
63.	PME014	Arun Pragathish M, Barath BN, Baskar M	Department of Mechanical Engineering	Design and Fabrication of Manual Oil Skimmer	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College,
64.	PME015	S.Rajamanickam Jagadeesh, Thilak, Althaf	Department of Mechanical Engineering	Cutting Machine Paper as Tool	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
65.	PME016	Karthikeyen , Mugundhan	Department of Mechanical Engineering	Mobile controlled Rescue Robot	Vels University
66.	PME018	T.J.Prasanna kumar	Department of Mechanical Engineering	Reduction of Automobile Emissions Using Catalytic Fuel Converters	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
67.	PME019	V.Vadivelraja, V.Naveenkumar	Department of Mechanical Engineering	A Novel Method of Producing Electricity by Trapping Photon from Light Sources	Selvam College of Technology
68.	PME020	V.Balaji, V.P.Vaishanav, S.Raghul	Department of Mechanical Engineering	Reactive Braking System	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
69.	PME021	S.Rajamanickam, A.Aakash, J.Peer Mohamed, D.Monesh	Department of Mechanical Engineering	Laser Beam Machine For Cutting Non-Metallic Materials	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College

S No	Project Expo ID	Participants	Department	Project Title	Institution
70.	PMB001	S.Sherley lithiya, J.Thilagavathy deve, S.Udaya Malar, V. Manivannan	Department of Management studies	Consumer perception and Brand awareness on sportswear in specific reference with Nike	Veltech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology
71.	PMC001	L. Aswin , K.N.Meenaatchi, P.Aravindhghosh, S.Aarthi	Department of Master of Computer Applications	NISSi CARD (Augmented Cards)	Thiagarajar College of Engineering

DAY 02 – CULTURALS

The much-awaited cultural fest of Tech Dr.Rangarajan Dr.Sakunthala Engineering college Aavishkaar'2018 – was conducted on April 3rd 2018 at our college premises with amazing events. A wave of celebration enthralled the audience, as the institution presented Aavishkaar'2018. This cultural is an apt platform to showcase the varied forms of art. The stage was set for students from different colleges in the nation to hone their skill and exhibit their talents. It explored the extra-curricular talents of the students and was a feast for the spectators. Celebrities from the city were invited to cheer up the audience.

Glitterati on Red Carpet

Cine Actor Srinath   **Casting Directors Arun Arvind**

Kpy-Simbu Madhan

Anchors and Stars from Sun Tv & Zee Tamil

Sparkling Dancers and Danseuses on Floor

Performers as Group

Karaoke with Soul Vocal

Rocking Musicians

Masked Artists with Maskless Hearts

Award Winners Who Won the Hearts

◎ **EVENT – 02 - VISIT TO DEFENCE EXPO – 2018**

Hostel Students in front of Exhibition Stall with our Principal – Dr.E.Kamalanaban –
Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College

46 Students from Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College visited the Defence Expo on 14th April 2018. The Defexpo – started from April 11 to April 14 with major global and domestic military firms showed their latest weaponry and platforms. The four-day-long, Defence Expo 2018 was held outskirts of Chennai and close to the temple town of Mahabalipuram. The weapons and platforms that are displayed includes the Tejas _ghter jets, advanced towed artillery gun systems (ATAGS) designed by the DRDO Arjun Mark 2 tank and Dhanush artillery guns.The DRDO's exhibits include the Nirbhay missile system with launcher, autonomous unmanned ground vehicle (AUGV), MBT Arjun Mk-I tank, Astra missile, low level transportable radar (LLTR) system, medium power radar (MPR) system and Varunastra -- heavy weight anti submarine electric torpedo.

Dhithya, Student of the Department of Biotechnology, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College with Minister of Defence Mrs. Nirmala Seetharaman during the Defence Expo 2018

A One-day Teacher Support Programme was conducted on 22nd June 2018 inaugurated by our Principal Dr.E.Kamalanaban. He shared his views on promoting value added exams. Vice Principal Dr.J.Prakash shared his views on the skills, and oppurtunities for placement through this exam. Faculty from all departments participated in the BEC-Teacher Support Programme. Ms.Smitha Prohit from Cambridge Assessment - trained our faculty to encourge and support the students in their exams.

Learning Outcomes

◎   To support the students in BEC –vantage exam

◎   To extend the knowledge level of four skills-LSRW

◎   Experiment student's language acquisition level.

◎   Measure the proficiency of the student.

◎   To improve the performance of the students in English language proficiency test.

◎   To support the students in BEC –vantage exam

◎   **EVENT 04 - A 7-DAY ANNA UNIVERSITY SPONSORED FDTP IN "TRANSFORMS AND PARTIAL DIFFERENTIAL EQUATIONS"**

DAY 1 – 11/06/2018

The FDTP was inaugurated by **Dr. V. Thangaraj**, Former Controller of Examinations, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Former Director and Head, Ramanujan Institute for Advanced Study in Mathematics in the presence of our respected Principal Dr.E.Kamalanaban and faculty members of the department and the external participants. The inauguration was followed by the lecture of **Dr. V. Thangaraj** on One dimensional wave equation in Appliations of PDE. The afternoon sessions was handled by **Dr. S. Udayabaskaran**, Professor, Dept of Mathematics, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, gave a lecture on Applications of

Transforms and Partial Differential Equations and **Mr. K.A. Niranjan Kumar,** Associate Professor, Department of Mathematics, Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College, gave a lecture on Latex for paper presentation.

DAY 2 – 12/06/2018

The forenoon session started with **Dr. V. Sundarapandian,** Professor, Department of Mathematics, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, given a lecture on First order PDE followed by **Dr. R. Suresh,** Associate Professor from Department of Mathematics, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology delivering a lecture on Differential Equations.

DAY 3 – 13/06/2018

The forenoon session started with **Dr. B. Thilaka**, Professor, Department of Mathematics, Sri Venkateswara College of Engineering, gave a lecture on "One dimensional heat equation". The afternoon session was handled by **Dr. C. Mohan**, Professor, Department of Mathematics, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College on Combinatorics.

DAY 4 – 14/06/2018

Dr. S. Anbarasu, Assistant Professor, Department of Mathematics, MIT Campus, Anna University and **Dr. C.T. Dora Pravina** of Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology shared both the sessions and delivered lectures on Z-Transforms and Second order PDE respectively.

DAY 5 – 16/06/2018
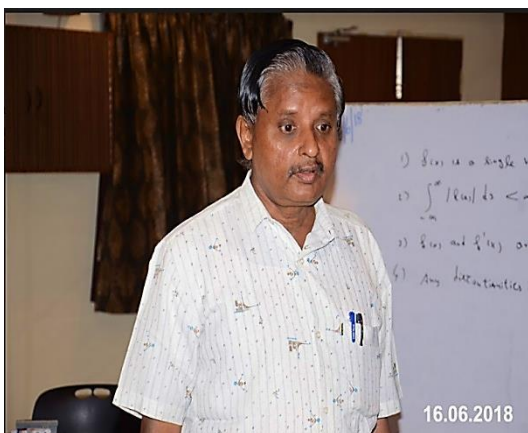
The forenoon session started with a lecture by **Dr. B. Krishna Kumar**, Professor, Dept of Mathematics, CEG Campus, Anna University delivered a lecture on Fourier Transforms followed in afternoon session by **Dr. M. Kothandaraman and Mr. R. Jayakumar**, Assistant Professor, Department of Mathematics, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College delivered a lecture on Fourier Sine and Cosine Transforms.

DAY 6 – 18/06/2018

Mr. P. Balaji, Asst. Professor, Department of Mathematics, Measi Academy of Architecture, Royapettah, started the forenoon session with his lecture Logic and Proof. The afternoon session was handled by **Dr. P. Selvaraju,** Professor, Department of Mathematics, Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College. He gave a detailed lecture on Fourier sine and cosine series.

DAY 7 – 19/06/2018

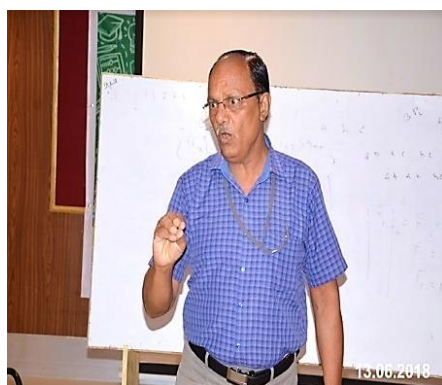The forenoon session by **Dr. S. Udayabaskaran**, Professor, Dept of Mathematics, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, gave a lecture on Linear Algebra. **Dr. J. Viswanath**, Asso. Professor, Department of Mathematics, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, presided over the valedictory function and also gave a lecture on two dimensional Heat equation.

The programme was successfully completed with the FDTP report read by **Mr. K.A. Niranjan Kumar** and the vote of thanks by **Ms. T. Santhy**.

Coordinators

S. No.	Staff Name	Designation	College Name
1	T. Santhy	Assistant Professor	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
2	K.A. Niranjan Kumar	Associate Professor	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College

Participants

S.No.	Staff Name	Designation	College Name
1	R. Juliet Regina	Assistant Professor	Vel Tech Owned by R.S. Trust
2	M. Deepa	Assistant Professor	Vel Tech Owned by R.S. Trust
3	R. Dhanalakshmi	Assistant Professor	Vel Tech Owned by R.S. Trust
4	D. Jenofrancis	Assistant Professor	Vel Tech Owned by R.S. Trust
5	A. Kannan	Assistant Professor	Vel Tech Owned by R.S. Trust
6	V. Gayathri	Assistant Professor	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College
7	K. Manikandan	Assistant Professor	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College
8	P. Banupriya	Assistant Professor	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College
9	S. Ilakiya	Assistant Professor	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College
10	S. Bhavani	Assistant Professor	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College
11	Dr. A. Jyothi Bala	Assistant Professor	R.M.D Engineering College
12	P. Pushpa	Assistant Professor	RVS Padhmavathy College of Engineering & Technology
13	J. Greeda	Assistant Professor	St. Peter's Institute of Higher Education and Research

S.No.	Staff Name	Designation	College Name
14	A. Anand	Assistant Professor	Gojan School of Business and Technology
15	T. Stalin	Assistant Professor	Gojan School of Business and Technology
16	Dr. S.M. Chithra	Associate Professor	R.M.K. College of Engineering and Technology
17	Dr. M. Kavitha	Associate Professor	Kumaran Institute of Technology
18	C. Densley	Assistant Professor	Vel Tech
19	P. Murugaraja	Assistant Professor	Vel Tech
20	V. Vadivelu	Assistant Professor	Vel Tech
21	R. Jayakumar	Assistant Professor	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
22	J. Kavitha	Assistant Professor	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
23	R. Thilagavathi	Assistant Professor	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
24	G. Muthumari	Assistant Professor	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College
25	Dr. M. Kothandaraman	Assistant Professor	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College

Learning Outcomes of the FDTP

◎ Providing a platform for the staffs to learn the latest developments and happenings in the area of Transforms and Partial differential equations (TPDE).

◎ Updating knowledge beyond curriculum and regarding applications of TPDE.

◎ Getting updated with the topics such as Fourier series, Fourier Transforms and Applications of Partial differential equations.

◎ Collating and conveying the ideas of TPDE effectively to the staffs and students.

DEPARTMENT OF RESEARCH AND DEVELOPMENT

The Research and Development Cell of Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College aims to nurture research culture in the College by promoting research in newly emerging and challenging areas of Engineering, Technology, Management, Science and Humanities. It encourages the students and faculty to undertake the research in newly emerging frontier areas of Engineering, Technology, Management, Science and Humanities including multidisciplinary fields. This enhances the general research capability of budding technocrats by way of participating in conferences, seminars, workshops, project competition, etc.

The Research and Development Cell is functioning with the following objectives:

- To create awareness and opportunities in Research and Development among the students & faculty and to create Research and Development atmosphere in every department.

- To motivate the faculty members of the group for R&D activities in the area of their specialization.

- To organize R&D meeting every month for all the departments.

- To encourage faculty members and students of all the disciplines in Engineering / Management / Science & Humanities in R&D activities for their professional growth;

- To undertake research activities and development projects offered by agencies such as ISRO, DRDO, CSIR, DST, AICTE, UGC, etc.

- To assist the students to apply funding for conducting research under student project scheme to various funding agencies like TNSCST, IEI (I), DRDO, etc

- To assist for applying and getting funds for conducting Seminar/Workshop/FDP from various available funding agencies;

- To develop and coordinate strategies for maximizing the faculty's success in gaining external research funding.

In order to promote research and development activities, the college extends its full support to students/faculty/staff. Full/Partial financial support is given to all innovative research & development works taken up by the students, faculty and staff members. The college encourages students, faculty and staff to participate in National/International Conferences, Training programmes, Tech-Festivals organized by reputed institutes (IITs/NITs/State Engg. Colleges etc.) by giving full/partial financial support viz. course/registration fee, TA/DA etc.

◎   Schedule of R&D Activity

Time: 3.00 PM to 5.00 PM   **Venue:** Tata Centre

S. No.	Date	Branch/ Department
1	02/04/2018	Mechanical Engineering
2	03/04/2018	Civil Engineering
3	04/04/2018	ECE & EEE
4	05/04/2018	CSE & IT
5	06/04/2018	MBA & MCA
6	07/04/2018	Biotechnology & Chemical Engineering
7	09/04/2018	Physics & Chemistry
8	10/04/2018	English & Mathematics
9	16/04/2018	Mechanical Engineering
10	17/04/2018	Civil Engineering

S. No.	Date	Branch/ Department
11	18/04/2018	ECE & EEE
12	19/04/2018	CSE & IT
13	20/04/2018	MBA & MCA
14	21/04/2018	Biotechnology & Chemical Engineering
15	23/04/2018	Physics & Chemistry
16	24/04/2018	English & Mathematics
17	02/05/2018	Mechanical Engineering
18	03/05/2018	Civil Engineering
19	04/05/2018	ECE & EEE
20	05/05/2018	CSE & IT
21	07/05/2018	MBA & MCA
22	08/05/2018	Biotechnology & Chemical Engineering
23	09/05/2018	Physics & Chemistry
24	10/05/2018	English & Mathematics
25	16/05/2018	Mechanical Engineering
26	17/05/2018	Civil Engineering
27	18/05/2018	ECE & EEE
28	19/05/2018	CSE & IT
29	21/05/2018	MBA & MCA
30	22/05/2018	Biotechnology & Chemical Engineering
31	23/05/2018	Physics & Chemistry
32	24/05/2018	English & Mathematics

◎ List of research proposals submitted Jan - March 2018

S. No	Title of Proposal	Project Value (In Rupee)	Funding Agency	Status	Name	Department
1	Brain Computer Interface Based Epilepsy Seizure Detection System	39,44,000	DST-DBT	Submitted On 31.05.2018	Dr.G. Saravanakumar & Dr.V.Prithinrajan	ECE
2	Development of Efficient Processing Technology for Cooking Oil from Edible Algae (Reference No: Hrr/2018/00082/Fp)	4,100,000	DST-CRG	25.05.2018	Dr B. Bharathiraja	Chemical Engg.

◎ Book Chapter

Department of Chemical Engineering

1. **B. Bharathiraja, J. Jayamuthunagai, M. Chakravarthy, R. Praveen Kumar**

Bioprocess Engineering for Green Environment, Description: Boca Raton : Taylor & Francis, 2018. | Includes bibliographical references and index, Bioprocessing of biofuels for Green and Clean Environment pp-237-249

ICTACT Activities

◎ **EVENT 01: POWER SEMINAR ON "CURRENT TRENDS IN INDUSTRY" IN ASSOCIATION WITH ICT ACADEMY**

Date: 9th June 2018

The Department of Computer science and Engineering organized one day Power seminar on the title **"CURRENT TRENDS IN INDUSTRY"** dedicated to current and emerging topics on **9th June 2018** in association with **ICT Academy** for all department final year students of Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College. The program was Coordinated by **Mrs. S. Durga Devi, Assistant Professor, Department of CSE.**

Resource Persons for the Occasion

Mr.Swaminathan Lakshmanan	Rathinavel Rajan	Pandi Alagu Raja Mahamuni
Manager-HR	Manager-HR,	Manager-HR
Williams Lea Tag India Pvt.Ltd, Chennai	i-Ball India	Jouve India

Learning Outcomes

◎ Provides a platform for the students to access the latest developments happenings across.

◎ Builds a strong industry-academia linkage thereby creating unlimited possibilities.

◎ Creates a more dynamic future workforce which makes their students employable.

◎ Getting updated with the technologies and latest information about the things which are happening across domains.

◎ Updating knowledge beyond curriculum.

◎ Collating and conveying their ideas effectively.

◎ Start thinking about new things which they think could be implemented practically.

List of Students Participated in Power Seminar

Department of Computer Science and Engineering

S. No	VH No.	Semester	Student Name
1	7559	VII	Akshaya M
2	7558	VII	Alagammai. P.L
3	7608	VII	Alwin.J
4	7524	VII	Anisha B
5	7592	VII	Ashwin. R
6	7583	VII	Deenadhayalan.S
7	7556	VII	Deepika N
8	7580	VII	Devi G V
9	7531	VII	Dhivya M
10	7557	VII	Dinesh M
11	7561	VII	Esshwar Kishore R
12	7618	VII	Ganesh R
13	7577	VII	Geethanjali P
14	7596	VII	Gnanapriya J
15	7587	VII	Gokul A
16	7590	VII	Gopinath A
17	7570	VII	Gourav Verma M
18	7578	VII	Haritha. T.A
19	7586	VII	Hema Lakshmi. K
20	7624	VII	Jeevitha.S
21	7532	VII	Judith Esther Martina. J
22	7620	VII	Karan Raj.R
23	7602	VII	Karthick S
24	7623	VII	Keerthana K
25	7613	VII	Lakshmipriya P
26	7563	VII	Manikandan R
27	7571	VII	Mannuru Sainath Reddy
28	7606	VII	Mini Priyaa. K
29	7562	VII	Mohammed Hidayath K
30	7555	VII	Mohan J
31	7579	VII	Monisha N
32	7523	VII	Naveen.S.S
33	7575	VII	Nishalini Monica. G
34	7593	VII	Preethi B

S. No	VH No.	Semester	Student Name
35	7595	VII	Priyadharsini. P
36	7567	VII	Puniya K K
37	7582	VII	B.Rajagopal
38	7560	VII	Rajeshwaran A
39	7524	VII	Rakshana R
40	7548	VII	Ramya M
41	7627	VII	Ranjani U
42	7527	VII	Ranjitha R
43	7626	VII	Reshma. J
44	7547	VII	Sajith Kumar.S
45	7553	VII	Sapna. A
46	7622	VII	Selva Lakshmi S
47	7594	VII	Shamini Vadhana J
48	7549	VII	Sowmiya. R
49	7631	VII	Syed Mohammed Afridi.I
50	7601	VII	Tharangini G
51	7554	VII	Vijayarahavi N
52	7538	VII	Yuvaraj T
53	7576	VII	Yuvashree. K

Department of Information Technology

S.No	VH.No	Semester	Name of the Student
1	7659	VII	K.Mohammed Azaruddin
2	7647	VII	P.Saravana Kumar
3	7655	VII	R.Rohith
4	7641	VII	R.Priya Dharshini
5	7648	VII	V.C.Deepika
6	7656	VII	S.Sasisdaran
7	7683	VII	E.Devapriya
8	7660	VII	S.Aravind Ray

Department of Electrical and Electronics Engineering

S.No	VH.No	Semester	Name of the Student
1	7241	VII	S.Yogesh
2	7255	VII	Vinayagam.S
3	7244	VII	V.R.Subramanian
4	7236	VII	R.Vijay
5	7252	VII	Vinay Sahoo
6	7250	VII	N.Susma Shree
7	7226	VII	R.Sanjana
8	7230	VII	S.Kokila
9	7247	VII	T.Abarna
10	7223	VII	P.Sureka
11	7238	VII	P.Lavanya
12	7239	VII	M.Thenmozhi

Department of Electronics and Communication Engineering

S.No	VH.No	Semester	Name of the Student
1	7154	VII	G.Pranauv
2	7141	VII	R.Arun Kumar
3	7114	VII	R.Karthikeyan
4	7134	VII	A.K.Praveen Kumar
5	7127	VII	S.Thamarai Selvan
6	7122	VII	S.Gopiram
7	7138	VII	M.Deepak
8	7183	VII	V.Vigneshwaran
9	7135	VII	A.Manoj Kumar
10	7136	VII	K.Kheshaghi
11	7106	VII	A.Kowsalya
12	7179	VII	G.Ejanani
13	7115	VII	K.Dhanam
14	7117	VII	M.Anitha
15	7111	VII	G.Pugazhambigai
16	7155	VII	M.Muhatashim Aaqib
17	7128	VII	S.Aravindha Shiva

Department of Master of Computer Applications

S.No	VH.No	Semester	Name of the Student
1	553	VII	M.Elavarasan
2	537	VII	N.Vaidegi
3	545	VII	T.Gurusamy
4	519	VII	E.Elenthendral
5	491	VII	B.Bhadra

◎ **EVENT 02: FDP ON "INTRODUCTION TO BIG DATA ANALYTICS DATE: 19TH JUNE TO 23RD JUNE 2018**

The Department of Computer science and Engineering, Information Technology and Master of Computer Application organized a Faculty Development Program from **19th June to 23rd June 2018** on "**Introduction to Big Data analytics**" for Internal and External faculty of various Institutions. The program was Coordinated by **Mrs. S. Durga Devi, Assistant Professor, Department of CSE.**

The objective of the FDP is to facilitate the participants to get cognizance of the concepts of big data and Hadoop along with hands on session. This FDP draws attention on how to obtain data from legitimate open-source repositories via web APIs and page scraping and introduce specific technologies for analysis.

The FDP session started on 19th June, 2018 at Saravanavel Auditorium in the presence of Principal, Dr. E.Kamalanaban, **Resource person Mr.Dinesh Kumar Gandhi**, Training Head ICT Academy, Dr.V.Manjula HOD CSE, Dr.M.Malleswari HOD IT, Mr. Mohamed Irfan Relational Manager .By the end of the course, participants understood Big Data's role in making meaningful insights from the complex and large sets of data all around the world.

Learning Outcomes

◎ Understand the concept and challenge of big data and why existing technology is inadequate to analyze the big data;

◎ Collect, manage, store, query, and analyze various form of big data

◎ Gain hands-on experience on large-scale analytics tools to solve some open big data problems

◎ Understand the impact of big data for business decisions and strategy

List of Faculty Attended FDP

Department of Computer Science and Engineering & Department of MCA

S.No.	HTS No.	Name
1.	1341	Dr.E.Kamalanaban
2.	1103	Dr.S.Veeramalai
3.	1382	Dr.V.Manjula
4.	1389	Dr.M.Malathy
5.	954	Dr.S.Hemalatha
6.	1354	Dr.P.Murali
7.	1355	Mrs.Durga Devi.S
8.	1361	Mr.R.Karthikeyan
9.	206	Mr.P.Karthikeyan
10.	650	Mrs.P.K.Sheela Shantha Kumari
11	556	Mrs.S.Shanmuga Priya
12	445	Mr.S.Sakthivel
13	808	Mr.T.Praveen
14.	1082	Mrs.S.Sageengrana
15	1113	Mr.R.Danu
16	1246	Mr.P.Senthil
17	1268	Ms.P.J.Alin Mercybha
18	1218	Mr.R.Vinod
19	1298	Mr.V.S. Raj Kumar
20	1327	Ms.D.Rejees Jenifa.

Department of Information Technology

S. No.	HTS No.	Name
1	1261	Dr. M.Malleswari
2	1258	Dr.A.Nirmal Kumar
3	352	Mr.J.Velmurugan
4	518	Mr.A.Vishnu Kumar
5	1132	Mr.D.Daya florence
6	1194	Ms.A.Jayanthi
7	1385	Mr.M.Gopinath

◎ **EVENT 03: VALUE ADDED PROGRAM ON "PROBLEM SOLVING & PYTHON PROGRAMMING"**
DATE: 25TH TO 28TH JUNE 2018

The Department of Computer Science and Engineering in association with ICT Academy organised a Value added Program on **"Problem Solving &Python programming"** from 25th to 28th June 2018 for III year and IV year student of Computer Science and Engineering. The program was Coordinated by **Mrs. S. Durga Devi, Assistant Professor, Department of CSE.**

Introduction to Python talk was given by the resource person **Dr.P.Murali** Associate Professor, CSE Department Vel tech High Tech and python programming, control statements and function was discussed and hands-on training was given by **Dr.S.Hemalatha,** Assistant Professor, CSE Department, Vel tech High Tech during the afternoon session. For the rest three days various topics like Data structure like Dictionaries, Sets, Modules, packages file handling and Exception handling file handling were discussed.

Learning Outcomes

◎ To improve the Employability Skills in accordance with current industry thrust.

◎ Develop and use Web Services using python.

◎ Develop web applications using python programming.

◎ Access database using python programming.

◎ Implementing database using SQLite.

◎ Create applications using python programming.

◎ Write clear and effective python code.

◎ Able to apply the principles python programming.

List of Students Participated in Value Added Course

S.No	ID	Dept	Student Name
1	7558	CSE	Alagammai P L
2	7622	CSE	Selva Lakshmi S
3	7577	CSE	Geethanjali P
4	7623	CSE	Keerthana K
5	7578	CSE	T.AHaritha
6	7595	CSE	Priyadharsini P
7	7579	CSE	N.Monisha
8	7548	CSE	M.Ramya
9	7593	CSE	B.Preethi
10	7554	CSE	N.Vijayarahavi
11	7549	CSE	R.Sowmiya
12	7580	CSE	G.V.Devi
13	7586	CSE	K.Hema Lakshmi
14	7667	CSE	T.Mounika
15	7596	CSE	J.Gnana Priya
16	7556	CSE	N.Deepika
17	7581	CSE	A.Gokula priya
18	7574	CSE	T.Divya
19	7627	CSE	U.Ranjani
20	7576	CSE	K.Yuva shree
21	7591	CSE	R.Vidhya Lakshmi
22	7602	CSE	S.Karthick
23	7582	CSE	B.Rajagopal
24	7547	CSE	S.Sajith Kumar
25	7583	CSE	S.Deenadhayalan
26	7557	CSE	M.Dinesh
27	7555	CSE	J.Mohan
28	7561	CSE	Esshwar Kishore
29	7570	CSE	Gourav Varma.M
30	7538	CSE	Yuvaraj
31	7564	CSE	P.Santhosh

NATIONAL CADET CORPS - 1 [TN] BATTERY NCC

◎   **Major Mukund Memorial Run**   **Date:15-04-2018**

The NCC Cadets of 1[TN] BTY of Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College has participated in "Major Mukundh Memorial Run" held on 15th April 2018 at Lakshmi Aammal Engineering College. All the 25 Cadets completed 10km of running in the Marathon.

S.No	VH No	Name	Department	Year
1	7182	Prem Kumar.K	Electronics and Communication Engineering	IV
2	7457	Kannan.J	Civil Engineering	IV
3	7122	Gopiram.S	Electronics and Communication Engineering	IV
4	7309	Akhilnath.V.S	Mechanical Engineering	IV
5	7597	Vimal Raj.V	Computer Science and Engineering	IV
6	7147	Chandru.T	Electronics and Communication Engineering	IV
7	7242	Canesh Raw.R	Electrical and Electronics Engineering	IV
8	7336	Elamaran.G	Mechanical Engineering	IV
9	7388	Mukesh.R	Mechanical Engineering	IV
10	8074	Gulzar Ali.A	Mechanical Engineering	III
11	7934	Vijay.V	Electrical and Electronics Engineering	III
12	8216	Alagu Nithis.S	Computer Science and Engineering	III
13	8053	Divakar.H	Mechanical Engineering	III
14	8106	Sathyamoorthy.R	Civil Engineering	III
15	8056	Jaya Praksh.V	Mechanical Engineering	III
16	9186	Karuppasamy.V	Chemical Engineering	II
17	8559	Sri Ganesh.B	Electronics and Communication Engineering	II
18	8606	Gautham.K	Electronics and Communication Engineering	II
19	8988	Ejay.Rj	Computer Science and Engineering	II
20	8556	Venkatesh.Y	Electronics and Communication Engineering	II
21	8511	Abiraj.S	Electronics and Communication Engineering	II
22	8769	Elanchezhian.K.R	Mechanical Engineering	II
23	9024	Madhan.A	Computer Science and Engineering	II
24	8558	Ganesh.I	Electronics and Communication Engineering	II
25	5541	Chandrakanth.Y	Electronics and Communication Engineering	Passed Out

The NCC Cadets of 1[TN] BTY of Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College has participated in "Combined Annual Training Camp" held from 21ˢᵗ May 2018 to 30ᵗʰ May 2018 at Sathyabama Institute of Science and Technology. The following 4 Cadets participated in the events conducted by this camp and won prizes in the event Firing, Guard Mountaineering and Basketball.

Cadet Details

S.No	Rank	Name	Department	Year
1	SUO	Divakar.K	Mechanical Engineering	II
2	CUO	Sabarinathan.N	Mechanical Engineering	II
3	CQMS	Karthik.R	Civil Engineering	III
4	SGT	Vijay.V	Electrical and Electronics Engineering	II

◎   **Thal-Sainik Camp**   Date: 04.06.2018 to 13.06.2018

The NCC Cadets of 1[TN] BTY of Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College has participated in "**THAL SAINIK CAMP**" held from 4ᵗʰ June 2018 to 13ᵗʰ June 2018 at SRM University. The following 2 Cadets participated in the camp and were selected to the next camp.

Cadets Details

S.No	Rank	Name	Department	Year
1	CPL	Ejay.R.J	Electronics and Communication Engineering	II
2	L/CPL	Gautam.K	Electronics and Communication Engineering	II

The NCC Cadets of 1[TN] BTY of Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College has participated in "**International Day of Yoga**" held on 21ˢᵗ June 2018 at New Chinmaya Vidyalaya Matriculation Higher Secondary School. The following 13 Cadets participated in the event.

S.No	Rank	VH No	Name	Department	Year
1	L/CPL	8511	Abiraj.S	Electronics and Communication Engineering	II
2	CPL	9190	Bharath Kumar.R	Chemical Engineering	II
3	CPL	8558	Ganesh.I	Electronics and Communication Engineering	II
4	CDT	8148	Hariharan.P	Civil Engineering	III
5	L/CPL	9024	Madhan.A	Computer Science and Engineering	II
6	CDT	8713	Moshik Mihir.J	Mechanical Engineering	II
7	CPL	8560	Santhosh Vasudevan	Electronics and Communication Engineering	II
8	CPL	9178	Sreejith.R	Chemical Engineering	II
9	L/CPL	8556	Venkatesh.Y	Electronics and Communication Engineering	II
10	SUO	8053	Divakar. H	Mechanical Engineering	III
11	SGT	8171	Harish. G	Civil Engineering	III
12	SGT	7265	Ram Kumar. M	Mechanical Engineering	IV
13	CUO	8106	Sathyamoorthy. R	Civil Engineering	III

NATIONAL SERVICE SCHEME - NSS

'Swachh Bharat Summer Internship – 100 Hours of Swachhata' - **A National Mission for15 days. A dream project of our prime minister Mr. Narendra Modi.**

Addressing the nation on the 43rd edition of Mann Ki Baat, a monthly radio programme, Prime Minister Narendra Modi announced the launch of the government's special summer internship linked to the Swachh Bharat Abhiyan. He urged the college students, NCC Cadets, NSS Jawans, students of Nehru Yuva Kendra and other youngsters to join the internship and contribute towards a clean India. Jointly designed by the three ministries – Drinking Water and Sanitation, Human Resource Development, and Youth Affairs and Sports – the 100-hour experiential internship program would require the candidate to visit one or more villages and conduct activities of their choice to contribute to the cause of rural sanitation.

In view of this, the NSS Volunteers of Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering actively participated in the Internship Program.

◎ **NSS Schedule for Swachh Bharat**

Sl. No.	Date	Time				
		8.00 A.M. - 10.00 A.M	10.01 A.M. - 11.00 A.M	11.01 A.M. - 12.00 P.M	12.01 P.M. - 01.30 P.M	01.31 P.M. - 4.30 P.M
1.	18.06.18	Inauguration	Pond Cleaning At Veera Puram			Pond Cleaning at Veera Puram
2.	19.06.18	Pond Cleaning at Veerapuram				Door-To-Door Meetings at Veerapuram
3.	20.06.18	Pond Cleaning at Veerapuram				Swachhata-Related Movie
4.	21.06.18	Pond Cleaning at Veerapuram				Swachhata-Related Movie
5.	22.06.18	Public Road Cleaning from Police Camp to Veerapuram Bus Stop			LUNCH BREAK	Swachh Rally - From Police Camp to Veerapuram Bus Stop
6.	23.06.18	Government School Cleaning And Wall Painting At Veerapuram				Wall Painting
7.	25.06.18	Public road cleaning from police camp to veerapuram bus stop				Survey related to availability of toilets
8.	26.06.18	Cleaning at kanniamman nagar bus stand area				Door-to-door meetings at kanniamman nagar
9.	27.06.18	Cleaning at kanniamman nagar temple area				Swachhata-related movie
10.	28.06.18	Street Cleaning at kanniamman nagar				Door-to-door meetings at kanniamman nagar
11.	29.06.18	Street Cleaning at kanniamman nagar			LUNCH BREAK	Swachhata-related movie
12.	30.06.18	Government school cleaning and wall painting at kanniamman nagar				Government school over tank installation for toilets at kanniamman nagar
13.	02.07.18	Government school cleaning and black board painting at kanniamman nagar				Door-to-door meetings at kanniamman nagar
14.	03.07.18	Public road cleaning from police camp to kanniamman nagar bus stop				Swachhata-related movie
15.	04.07.18	Public road cleaning from police camp to kanniamman nagar bus stop				Survey related to availability of toilets

◎ DAY: 1 - INAGURATION AND POND CLEANING

Date : 18.6.18   **Inauguration Session: FN**   **Venue: Veerapuram**

Principal Dr.E.Kamalanaban along with Vice-Principal Dr.J.Prakash inaugurated the 15 days Swachh Bharat internship programme at Veerapuram. Mr. Frederick ArunKumar, Block Development Officer from Thiruvallur District witnessed the programme and spoke on importance of creating awareness to public on health issues.Dr.L.Lavanya, Block Medical Officer was invited to the programme. She spoke on the precautious methods to avoid Dengue and to be taught to the public. She praised and thanked the volunteers for their timely work, as they started work before the rainy season.

◎ DAY 2

Date: 19.6.18   **Venue: Veerapuram**   **Work: Pond Cleaning**

◎ DAY 3

Date : 20.6.18   **Venue: Veerapuram**   **Work: Pond Cleaning**

The first three days of Swachh Bharat Internship programme came to an end with a clean pond in Morai village, which was almost closed by water hycinth plant. Those unwanted plants were cleared,which ultimately made the atmosphere to get cool brezees. The public felt happy to see the clean water in the pond.

◎ DAY 4

Date : 21.6.18   **Venue: Veerapuram**

Work: Government School Cleaning and Wall Painting

The NSS Volunteers cleaned the Government Higher Secondary School which was not maintained properly. They white washed the wall and also painted the black board.

◎ DAY 5

Date (22.6.18)   **Venue: Veerapuram**
Work: Awareness Training and Street Cleaning

Our student volunteers were given awareness and training about the aim of swachh barath and safety to be followed by our volunteers in the programme. Our volunteers continued with their cleaning of the street on that day.

◎ DAY 6

Date (23.6.18)   **Venue: Veerapuram**

Work: Awareness Campaign on Better Sanitation Practices Like Using a Toilet, Hand Washing, Health and Hygiene Awareness – Door to Door Meeting

The NSS Volunteers met the public door to door and gave awareness on better sanitation practices like using a toilet, insisted on hand washing practices, also issued pamphlets on the same. They spoke to the home makers regarding the problem they face, and they counselled them.

◎ DAY 7

Date 25.6.18   **Venue: Veerapuram**   **Work: Street Cleaning**

Our volunteers cleaned the streets of Veerapuram village which was not properly maintained. They involved themselves to clean the blocks of drainage, removed the unwanted herbs and Shrubs in the streets.

◎ DAY 8

Date : 26.6.18   **Venue: Kanniamman Nagar**

Work: Cleaning at Kanniamman Nagar Temple Area

The NSS Volunteers actively participarted in'**Swach Bharat Summer Internship – 100 Hours of Swachhata**' - Our student volunteers cleaned Kanniyamman temple premises in Morai village.

◎ DAY 9

Date (27.6.18)   **Venue: Kanniamman Nagar**

Work: **Cleaning at Kanniamman Nagar Bus Stand**

The NSS Volunteers cleaned the streets and removed all the garbages. The public were also taught about proper maintenance of bio-degradable and non-degradable waste.

◎ DAY 10

Date (28.6.18)   **Venue: Kanniamman Nagar**

Work: Kanniamman Nagar Street Cleaning

The Volunteers cleared the Prosopis juliflora (Karuvelam tree) as per the Government's advice (Order of the HC-Madurai Bench) as it absorbs excess ground water than other plants. They also created the public awareness on the ill-effects about growing prosopis juliflora around the house.

◎ DAY 11

Date (29.6.18)   **Venue : Kanniamman Nagar**

Dream project of our Prime Minister Mr.Narendra Modi had been fulfilled by our NSS volunteers, as they moved to each doors to campaign the awareness on sanitation practices like using toilets, right way of washing hands, removing unwanted water storage, and to keep the house and the environment clean. They explained the hazards of unhealthy practices.

Date : 30.6.18   **Venue: Kanniamman Nagar**

Our NSS volunteers strenuously worked to clean the government school-primary campus and the play ground at Kanniamman Nagar. The play ground of the school was with thorny plants which disturbed the children while playing. Clearing and cleaning of the ground made the students happy.

DEPARTMENT OF PLACEMENT & TRAINING

The Department of Placement & Training is recognized for its ability to plan and implement soft skills training, technical training, value added programs such as the Personality development programs and Technology Training Programs in the areas of interest and requirements for the Industry. This adds to the credentials of the students and builds the quality of the engineering professionals from the college.

Placement and Training Department is also providing necessary Pre-Placement Training for the pre-final year students in the form of Pre-Placement talks arranged by various industries / corporate, training from the seniors on nature of the written test being imparted and process of interview of different industries. Placement Department also regularly organizes talks from the various professionals from different universities for pursuing higher education in abroad and talks from trainers for taking competitive exams like CAT, GMAT, Aptitude etc.

The following are the various training initiatives the Department of Placement & Training had taken to prepare the students to work in global multicultural corporations / and industries.

Placement Training conducted during April to June 2018

◎ SKILL RACK

The name of the training agency is **PEE CEE CASTLE SOFTWARE SERVICES PRIVATE LIMITED** and it is located at Door No 9/2 ,15th Ward, Five Falls Road Ilanji, Tenkasi Taluk TN 627805 IN, Tenkasi Taluk - 627805, Tamil Nadu, India

Objective of the Training

The main objective of the assessment is it helps students in developing their technical skills providing them a solid platform for an employability opportunity. Also, to make students excel in the coding skills

About the Company

Peecee Castle Software Services Private Limited was registered at Registrar of Companies Chennai on 02 July, 2010 and is categorized as Company limited by Shares and a Non-govt company.

Training Methodology

This is four days training programme in which the resource person from the company will be teaching students about coding and technical programs. Each batch consists of 40 students. Students will be taken to computer science lab and they will be taught by PPT methods. Parallelly students will log on to their respective ids and will be solving the coding questions Students from all streams like CSE, ECE, EEE, IT are part of this assessment. It has its **Value addition** towards employability skills by making the students excel in aptitude, technical skills, and AUTOMATA (CSE, ECE, EEE, IT).

◎ EXPANION

The name of the training agency is EXPANION. It is located at Plot no 494,10th street Anna Nagar west extension Chennai 101.

Objective of the Training

The main objective of the training is to provide an employability platform for the students by training them and enhancing their skills for the Placements.

About the Company

Expanion, is a unique platform that nurtures and hones skills of budding professionals through guidance by eminent industry experts.

Training Methodology

Nine live sessions will be taken by the industrial experts who will be guiding the students and updating them about the current position of industry and its expectations. Each session one topic will be delivered to the students. Apart from this online module will be assigned and students will take those assignments. Finally, after this mentoring will be provided by the resource person, according to this one resource person will be mentoring three students.

It has its **Value addition** towards employability skills by training students in coding language and gives them industrial exposure.

The timetable is given below:

Session No	Date	Session Topic	Expert Name	Company
1	17.05.2018	Usage of Right Data Structures	Ramkumar	C1X Inc.
2	18.05.2018	Advanced Data Structures and Algorithms	Ramkumar	C1X Inc.
3	21.05.2018	C and C++	Muhunthaadithya C	Amazon
4	22.05.2018	Tackling Placement Interviews and How to be successful in Industry and career choices	Senthilvel Samatharman	Symantec
5	23.05.2018	Exposure to Upcoming Technologies	Vishwanath Natarajan	Amazon

◎ ZOHO

The name of the training agency is **ITK Education Service Private limited** and is located at New No. 69, S1- Kalyani Towers, 2nd Avenue, Ashok Nagar, Chennai, Tamil Nadu 600083, India

Objective of the Training

It helps students in developing their technical and coding skills providing them a solid platform for an employability opportunity.

About the Company

Zoho, software is our craft and passion. We create beautiful software to solve business problems. Over the past decade of our journey, the Zoho suite has emerged to be a leader in the cloud and on your devices. As much as we love software, it is our people and our culture that are our most valuable assets

Training Methodology

Classes will be taken for 20 hours for III year students on ZOHO module. Training is done with PPT and white board method. It has its **Value addition** towards employability skills by training students for gaining knowledge in solving technical and programmed language and will improve their chances of excelling in the coding module.

The syllabus and time table is scheduled below:

Date	Day	Timing
02.06.2018	Saturday	1.30pm-5.30pm
03.06.2018	Sunday	1.30pm-5.30pm
06.06.2018	Wednesday	1.30pm-5.30pm
07.06.2018	Thursday	1.30pm-5.30pm
08.06.2018	Friday	1.30pm-5.30pm

Mr.Sakthivel.M, Assistant Professor, Department of Master of Computer Applications, Mr.Dhanu.S, Assistant Professor, Department of Computer Science and Engineering and Mr. Praveen, Assistant Professor, Department of Computer Science and Engineering had attended the **"TalentNext Digital Skills Readiness Program"** from **April 2nd to 13th 2018** at **Wipro Limited, Electronic City Bangalore.**

Learning outcomes

1. Need for Digital Skills Readiness

2. Understanding Coding Standards adopted by Industry

3. Importance of Logic Building

Mr. Praveen has been certified as a Wipro Trainer.

List of Companies Visited Our Campus Towards Placement

S.No	Date	Company
1	6.03.2018	Valued Epistemics
2	9.03.2018	VWR
3	10.03.2018	TCS(Tnslpp)
4	14.03.2018	Just Dial
5	27.03.2018	Zoho
6	27.03.2018	Paypal
7	10.04.2018	Shinsung
8	11.04.2018 &12.04.2018	Infosys Spl Drive
9	18.04.2018	Emerson
10	19.04.2018	Biaz
11	25.04.2018	Aquaculture
12	25.04.2018	ITC Infoteh
13	7.05.2018	Bosch
14	10.05.2018	Emerson
15	3.05.2018	Foxoconn
16	20.05.2018	Maestro
17	18.05.2018	Manali Petrochemicals
18	10.05.2018	Ifitha Pvt Ltd
		Off Campus Companies
1	17.03.2018	Testpress Tech Lab(AMCAT)
2	19.03.2018	Qbrics(AMCAT)
3	18.03.2018	Mindtree(AMCAT)
4	07.04.2018	Mindtree(AMCAT)
5	5.05.2018	Syntel
6	24.05.2018	Excela Comm
7	23.05.2018	Multiple IT Solutions
8	30.05.2018	Hexaware
9	01.06.2018	Usam Technologies
10	01.06.2018	Vembu Technology
11	03.06.2018	Maestro Steel Detailing

List of Students Placed In Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College

S.No	VH No	Name	Department	Company
1	VH6858	Jackson.S	Computer Science and Engineering	Infosys
2	VH6886	Yogamathi.S	Computer Science and Engineering	Capgemini
3	VH6689	Jasim Salahudin S	Mechanical Engineering	Emerson
4	VH6689	Jasim Salahudin S	Mechanical Engineering	Foxconn
5	VH6590	Ilaiyarasu T	Mechanical Engineering	Foxconn
6	VH6523	Mohan Raj	Electrical and Electronics Engineering	Foxconn
7	VH6439	Karunashree V	Electronics and Communication Engineering	Infosys
8	VH6407	Dinesh S	Electronics and Communication Engineering	Infosys
9	VH6967	Uvashree.K.V	Information Technology	Infosys

SPORTS

Our Students at the Indian Team Selection Camp, New Delhi for Touch Rugby.

Our Students who have got selected

◎ STUDENTS PARTICIPATION IN SPORTS ACTIVITIES

S.No	Name of the Player	Dept	Game and Date	Place	Level	Organized by
1	M.Sanjeev.M	Mechanical	Kabaddi 3,4 April 2018	Participation	State	Anna University Chennai
	Esakkiraj.N	Mechanical				
	Mani Bharathi.D	Mechanical				
	Jayasastha.J	Mechanical				
	Mathan Kumar.M	Civil				
	Ragul Tendulkar.A	Mechanical				
	Vishnu Rathan.R	Mechanical				
	Eniyavaran.D	Civil				
	Balraj.B	Civil				
	Jalaluddin.J	Civil				
	Guhan.M	CSE				
	Purshoth.R	CSE				

S.No	Name of the Player	Dept	Game and Date	Place	Level	Organized by
2	Muhammed Salman	Chemical	Football3, 4 April 2018	Participation	State	Anna University Chennai
	Dhaneshwaran	CSE				
	Santhosh Kumar	CSE				
	Sarath	CSE				
	Harshawardan	CSE				
	Mukesh	CSE				
	Abdul Akeem	CSE				
	Hari Haran	CSE				
	Hari Haran.R	Civil				
	Manikandan	Civil				
	Santhosh.J.K	Mechanical				
	Vignesh.M	Mechanical				
	Rinto Kevin	Mechanical				
	Deepak Manoj	Mechanical				
	Tamihselvan	CSE				
3	C.P.Rajineesh	ECE	Basketball 3,4 April 2018	Participation	State	Anna University Chennai
	Dhinesh.R	Civil				
	Vignesh.S	Civil				
	Priyadharshan	Mechanical				
	Vishnu	Mechanical				
	Santhosh	Mechanical				
	Gopiram	ECE				
	Sriram	Mechanical				
	Goutham Balaji	Civil				
	Naveen	CSE				
	Yuvaraj	CSE				
4	Surendar.R	Chemical	Cricket 3,4 April 2018	Participation	State	Anna University Chennai
	Magesh.V	Chemical				
	Vivek.V.V	Chemical				
	Santhosh Kumar	Biotechnology				
	Munnafar Hussain	Civil				
	Srikanth.P	Mechanical				
	Rajeshwaran.A	CSE				
	Deepak Kumar.G	CSE				
	Praveen Kumar	CSE				
	Karan Raj.R	CSE				
	Guna A.R.	IT				
	Darrin Jerron	Mechanical				
	Kishore Kumar	Mechanical				
	Bharath Vasan	CSE				
5	Rajesh	IT	Kho Kho 3,4 April 2018	Participation	State	Anna University Chennai
	Sabari	IT				
	Vignesh	CSE				
	Bhuvanesh	CSE				
	Barath Vasan	CSE				
	Sarathy	Mechanical				
	Dhinesh	Civil				
	Vignesh	EEE				
	Vedha	IT				

S.No	Name of the Player	Dept	Game and Date	Place	Level	Organized by
6	Dhinesh.R	Civil				
	Manikandan	Civil				
	Kavya	Civil				
	Preethi Chandra Yoga	Civil				
	Krithika	CSE	Touch Rugby April 24,25	Indian Team Selection Camp	Inter National	New Delhi
	Rakshana	CSE				
	Lakshmipriya	CSE				
	Barathvasan	CSE				
	Vedha	IT				
	Saran	IT				
	Shane	IT				
	Yugendar	IT				
	Rajineesh	ECE				
7	Krithika.J	CSE	Touch Rugby April 26	Selected Players Representing India	Inter National	New Delhi
	Rakshana	CSE				
	Bharathvasan	CSE				
	Shane Asher	IT				

DEPARTMENT OF BIOTECHNOLOGY

◎ **About the Department**

The department was started in the year of 2006 with the intake of 60 students. Since it a multi disciplinary course it has dedicated faculties from varies branches of Biotechnology. The department is well organized with advanced laboratories like bioprocess engineering, molecular biology, bioorganic chemistry; cell biology etc. Laboratories have been designed to cater the academics as well as research. The departments initiate many student projects to acquire knowledge in the field of industry and to make them tailor made biotech entrepreneur. Apart from academic assignments, many faculty members of the department involve themselves in research activities. Department has many funded projects from department of science and technology, Tamilnadu council for science and technology. The department regularly organizes staff development program and national level symposium to bring the industry close to the academia. With the team of dedicated staffs the department maintains to achieve 100 % result in the university exams. Many of the faculty members have published the research findings both in national and international journals.

◎ **Inplant Training**

S.No	VH No	Name	Semester	Company Name	Date Attended
1	9157	P. Aishwarya	III	Armats Biotek Training and Research Institute	12.06.18-18.06.18
2	9129	K. Gomathi			
3	9152	S. Prathiba			
4	9158	S. Kiruthika			
5	9121	N. Saranya			
6	9167	M. Harish			
7	9123	M. Lokesh			
8	9113	V. Ramkumar			
9	9137	M. Dhanushpandiyan			
10	9156	S. Vigneshwar			
11	9112	T. Alagulavanya	III	Biozone Research Institute	14.06.18-22.06.18
12	9136	R. Asuvini			
13	9142	V. Bhavani poojitha	III	Biozone Research Institute	13.06.18-22.06.18
14	9145	A. Kowsalya.			
15	9139	Divya. E			
16	9111	B. Harini			
17	9151	Heera			
18	9124	S. Divya			
19	9125	V. Joshini			
20	9114	G. Dhakshayani			
21	9115	J. Shiboni			
22	9146	R. Thulasivelan			
23	9166	Harshaveena	III	Armats Biotek Training and Research Institute	18.06.18-22.06.18
24	9148	Vaishnavi. A	III	Kerala Cardamom Processing and Marketing Company	11.06.18-15.06.18
25	9131	V. Vishnu Priya	III	Neuberg Ehrlich Laboratory, Kaveri Hospital	16.06.18-21.06.18
26	7755	U Manisha Rao	VII	Sai Mirra Innopharma Pvt Ltd	18.06.18-23.06.18
27	7732	V. Nethra			
28	7717	B. Priyadharshini			
29	7756	S. Shamsiz Zuha			
30	7751	S. Sahana Begum			

S.No	VH No	Name	Semester	Company Name	Date Attended
31	7735	R. Jayashree	VII	Abbes Biotech	14.06.18-19.06.19
32	7711	R. Sowndarya			
33	7734	R.Jayalakshmi	VII	Azyme Bioscience Pvt. Ltd.	25.05.18-25.06.18
34	7726	T. P.Karunya			
35	8405	G. Akbar Basha	V	Life Teck Research Centre	13.06.18-21.06.18
36	8416	D. Harish			
37	8453	S. Balaji Saravanan			
38	8399	S. Balaji			
39	8404	M. Dinesh Babu			
40	8420	V. Balu			
41	8421	K. Alagar			
42	8417	S. Sendurvelan			
43	7745	M. Poojaa	VII	CLRI	17.05.18-08.06.18

◎ **Students Best Projects**

S. No	Name of the Student, Reg. No. and VH.No	Internal Guide Name	Project Title and Description
1	Aishwarya 113014214001 7031 Vishnu.N.R 113014214001 7023	Dr.M.Chandran	"Acute Toxicity of Polybenzymidazole in Fish"— Novel Work Suitable For Further Research
2	D.L.Chitra 113014214007 7013 K.Sribhavadharani 113014214039 7017	Dr.A.Saravanan	"Hydrolysis of Plastic (Pet) into TPA and Ethylene Glycol using Enzyme"— Nowadays Plastic Degradation Is The Profuse Topic For Ecosystem. Novelty Of The Present Research Is Plastic Can Be Effectively Degraded By Enzymes At Low Cost
3	C.Mathan Muthu 113014214021 7024	Dr.D. Yuvaraj	"Isolation, Characterisation of Type I Collagen from Marine Fishes and its Biomedical Applications"— Work In The Current Scenario Of Biomaterials Converting Waste To Wealth
4	S.Navaneethan 113014214026 7007 T.Muthu Avanesh 113014214024 7038	Ms. M.J.T. Nithyananthi	"Production of Value Added Productus from *Bambusa Arundinacea*" — Novel Work And A New Topic Of Interest In The Field Of Drug Discovery.
5	P.Saranya 113014214034 7025 S.Yuvashree 113014214046 7040	Mr.R. Gnanasekaran	"Production of Itaconic Acid from *Aspergilus Niveus*" — Novel Work Suitable Converting Agriculture Waste To Biomass

Faculty Publications

S. No	Name, Designation and HTS No	Article Title	Journal Name, Period of Publication and Indexing
1	Mr. R. Gnanasekaran Assistant Professor 1342	Synthesis of itaconic acid from agricultural waste using novel Aspergillus niveus	Preparative Biochemistry and Biotechnology Jan 2018 Scopus 1.5
2	Mr. J. Iyyappan Assistant Professor 1176		

DEPARTMENT OF CHEMICAL ENGINEERING

◎ **About the Department**

The department of Chemical Engineering owes its inception and its growth to its present state to the munificence and vision of our founder Chairman. This department was started in the year 2002.The department aims at nurturing chemical engineers with sound technical background and with a passion for sustainable development.

The department has well established State of the art laboratories to imbibe. Department uses latest instrument for analysis, like spectrophotometer, FTIR and modern equipment like centrifuges rotary drum driers and cyclone separator.

The department is well supported by faculty with diverse specialization like, bio fuels and biotechnology,Energy,Engineering and thermodynamics, petroleum processing and petrochemical, material science and technology. Two of the faculty holds Ph.D from leading institutions. Students project are published in leading research journals and our students have won laurels in extracurricular and co-curricular activities.

On the whole, the department strengthens its record day by day both in research and academics is bound to surpass its own achievement, and energy as a leading school for research and academics.

S.No	Name of the Student, Reg No and VH No	Internal Guide	Project Title and Description
1	Karpagam.V 113014203011 7076	Ms.S.Theepa Priya	"Production of Mesoporous Molecular Sieve Adsorbent by Sol Gel Method from Agricultural Biomass"— Novel Waste Water Treatment
2	Ponmani.V 113014203019 7092		
3	Mohan Kumar.S 113014203016 7074	Mr.K. Kadambanathan	"Synthesis of Graphene Oxide from Graphite Powder by Modified Hummers Method"— Synthesis of Product from Graphite
4	Santhosh Sivan.K.R 113014203023 7082		
5	Prathiba Rajalakshmi.T N 113014203020 7080	Mr.A.Saravana Raj	"Extraction of Natural Dyes and Evaluation of their Antimicrobial Activity"— Dye Extraction from Natural Resource

◎ **Faculty Corner**

Faculty Publications

S.No	Name, Designation and HTS No	Article Title	Journal Name, Period of Publication and Indexing
1	Dr.B.Bharathiraja HOD & Associate Professor 844	Biogas production – A review on composition, fuel properties, feed stock and principles of anaerobic digestion	Renewable and Sustainable Energy Reviews May 2018 Scopus
2	Dr.B.Bharathiraja HOD & Associate Professor 844	Bioprocessing of Biofuels for Green and Clean Environment	CRC Press,Taylor and Francis (Chapter) June 2018 Scopus

DEPARTMENT OF CIVIL ENGINEERING

◎ **About the Department**

The department of Civil Engineering was started in the year 2002 with an intake of 120 students. The department boasts of highly qualified and experienced faculty from different background of Civil Engineering. The department was accredited by NBA-AICTE for the period of 2008-2011. The department organizes many industrial visits, guest lectures, in plant training every semester and a National Conference/Symposium is been conducted each year. Further, an AICTE sponsored research work was done by our renowned professors Dr.M.Thiruvengadam and Dr.D.Sivakumar worth a total of Rs.15.65 Lakhs. The faculty members are enrolled in various membership as well as the professional society like ISTE,IE,ICI,CAE,IAH,IWRS,IWWR,IAPC,IPH,SES etc. The Students have undergone inplant training in NAC,Tamil Nadu Housing Board, Chennai Port Trust,CIDC,Composite Technology park, Engineering Project Ltd,National academy of construction and the Industrial visit in Ranipet Tannery Effluent Treatment Plant, Walajahpet, Sathanur Dam, Pennaiyar river, Thiruvannamalai, Altitude infra structures, Madipakkam, BSR'S Balaji Enclave, Neerkundram, BSR Mall, OMR road, ISRO etc.

It gives the department immense enlightening dignity to announce abothroughout the academic period.

160 papers have been published in renowned journal indexed in Scopus and 3 patents received so far. The department of Civil Engineering bags the winner title in the Inter department cricket match held at college campus on 08-Feb-2018. The Inter -department volley ball tournament held at college campus on 10-Jan-2018.

◎ **Students Best Projects**

S. No	Name of the Students	VH No	Reg No	Title of the projects	Project Guide
1	R. Harish,	6774	113014103023	Characteristics study of Poly Propyline fibre Reinforced concrete	Dr.S. Govindasami
	M.B. Jaswanth Ram	6779	113014103024		
	R. Mareeswaran	6504	113014103305		
2	N.Marundeeash	6704	113014103037	Experimental investigation on waste plastic, m-sand coarse aggregate with corn starch admixture concrete	Mr B.Raghulraj
	N.Yuvaraj	6746	113014103081		
	J.Manoj	6763	113014103035		
3	V.M. Ragothaman	6708	113014103057	Ground water suitability for irrigation in and around madavaram diary industry	Dr.SivaKumar
4	V.M.Ragothaman	6708	113014103057	Ground water Suitability for Irrigation and Around Madavaram Dairy Industry	
5	T. Durairasu	6720	113014103016	Ground water Quality Assessment in Ambathur Industrial Estate .	
6	D. Arun	6701	113014103005		
7	M. Mahalakshmi	6715	113014103031	Removal of copper in Electro Plating industry waste water using Sacharomyces Cerevisial	
8	T.M. Modhini	6700	113014103038		
9	B.Deepika.	6724	113014103011	Equilibrium and kinetic study of removal of colour from textile industry waste water by using lignitefibre	
10	J..Divya	6722	113014103015		
11	Monica Sruthi R		113014103041	Polyolefin fibre reinforcef mortar using partial replacement of m-sand with river sand	Dr.P.B.Sakthivel
12	A. Mahalakshmi		113014103030		
13	Priyanka G		113014103036		

◎ Workshops

S.No	VH No	Name of the Student	Workshop	Date	Prizes Won
1	6737	K. Deepalakshmi	National Project Expo on Aavishkaar 2018	2 & 3 April 2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College	Won the Third Prize
2	6758	R. Mahalakshmi			
3	6755	K. Poovarasi			

◎ Students Corner

Student Participation/Paper Presentations in Conferences and Seminars Hosted by Civil Department

S. No	Name and VH No	Sem	Conference/ Seminar Title	Date and Venue	Paper Tile
1	M.Modhini 6700 M.Mahalakshmi 6715	VIII	International Conference on Global Environmental Changes and Sustainable Development	5th & 6th April 2018, Vel Tech Rangarajan Dr. Sakunthala R & D Institute of Science and Technology	Removal of Copper from Electroplating Industry Wastewater using Dead *Saccharomyces Cerevisiae*
2	R.Mahalakshmi 6758 K.Deepalakshmi 6737 K. Poovarasi 6755	VIII	International Conference on Global Environmental Changes and Sustainable Development	5th & 6th April 2018, Vel Tech Rangarajan Dr. Sakunthala R & D Institute of Science and Technology	Column Experimental Study for Removal of Hexavalent Chromium using Chitosan
3	B.Deepika 6724 J.Divya 6722 M.Narmadha 6705	VIII	International Conference on Global Environmental Changes and Sustainable Development	5th & 6th April 2018, Vel Tech Rangarajan Dr. Sakunthala R & D Institute of Science and Technology	Equilibrium and Kinetic Study of Removal of Pollutants from Textile Industry Wastewater
4	M.Preethi 6772 A.Rehana 6768	VIII	International Conference on Global Environmental Changes and Sustainable Development	5th & 6th April 2018, Vel Tech Rangarajan Dr. Sakunthala R & D Institute of Science and Technology	Strength Behaviour of Polystyrene Insulated Concrete Block for High Thermal Resistance Building
5	T.Duraiarasu 6720 D.Arun 6701	VIII	International Conference on Global Environmental Changes and Sustainable Development	5th & 6th April 2018, Vel Tech Rangarajan Dr. Sakunthala R & D Institute of Science and Technology	Ground Water Quality Assessment Around Ambattur Industrial Estate
6	C.Gowtham 6735 V.M. Ragothaman 6708	VIII	International Conference on Global Environmental Changes and Sustainable Development	5th & 6th April 2018, Vel Tech Rangarajan Dr. Sakunthala R & D Institute of Science and Technology	Ground Water Suitability for Irrigation in and Around Madhavaram
7	Maria Vensa 6714	VIII	International Conference on Global Environmental Changes and Sustainable Development	5th & 6th April 2018, Vel Tech Rangarajan Dr. Sakunthala R & D Institute of Science and Technology	Removal of Nickel from Aqueous Solution using Bamboo
8	Mohana M 6703				

S. No	Name and VH No	Sem	Conference/ Seminar Title	Date and Venue	Paper Tile
9	Chandana Das 6515	VIII	International Conference on Global Environmental Changes and Sustainable Development	5th & 6th April 2018, Vel Tech Rangarajan Dr. Sakunthala R & D Institute of Science and Technology	Treatment of Dairy Industry Wastewater – a Novel Adsorbent Tamarind Kernel Powder
	Abarnadevi .K 7425	VI			
	Abarnadevi .K 7425				

Inplant Training

S.No	VH No	Name	Semester	Company Name	Date Attended
1	7428	D.Pravin	VI	Dynamiq Engineering Research Centre	04.06.2018 – 21.06.2018
2	7455	M.Yokesh Vijyaya Raj			
3	7436	S.Gopinath			
4	7440	M.Arun Kumar			
5	7417	N.Sathishkumar			
6	7485	Santhosh			
7	7465	Kathirvel .S			
8	7445	S.Naren Kumar			
9	7430	N.Surya	VI	PWD Department	11.06.2018 – 18.06.2018
10	7503	V.I. Preethi Chandra Yoga			
11	7410	Pavithra.D			
12	7448	Rajalakshmi			
13	7474	R.Ruba			
14	7459	R.R.Nisitha Akins			
15	7496	Krithigaa .M			
16	7461	Kalaimathi .C	VI	Highway Department	05.06.2018 – 15.06.2018
17	7498	R.Nivethika			
18	8113	Abishek S	IV	Surya Constructions	14.06.2018 – 22.06.2018
19	8141	Nithish Ss			

M.E.Structural Engineering

1	VHP 101	Vinoth Kumar.R	II	Jayam Consultants	20.6.2018 – 30.06.2018
2	VHP 96	Raj.S			

Student Awards

S. No	Name and VH No.	Sem	Conference/Seminar Title	Hosted by	Date and Venue	Paper Tile	Prize Won
1	M.Modhini 6700	VIII	International Conference on Global Environmental Changes and Sustainable Development	Civil Department	5th & 6th April 2018& Vel Tech Rangarajan Dr. Sakunthala R & D Institute of Science and Technology	Removal of Copper from Electroplating Industry Wastewater using Dead *Saccharomyces Cerevisiae*	Won the Best Paper Award (with shield)
2	M. Mahalakshmi 6715						

◎ Faculty Publications

S. No	Name, Designation and HTS No	Article Title	Journal Name, Period of Publication and Indexing
1	Dr.M.Tholkapiyan Professor 1292	Experimental Study on Geopolymer Concrete with Glass Fiber	International Journal of Advanced Research Trends in Engineering and Technology April 2018 Non scopus
		Replacement of Steel Slag as Coarse Aggregate in Concrete Mixture Leads to a Heavy Density Concrete	
		Behavior of Shear Wall in Earth Quake Resistant Structures	
		Experimental Investigation on Utilization of Fly Ash and Pond Ash with Self Compacting Concrete	
2	Dr.M.Tamilselvi Professor 1366	Self Compacting Concrete – an Analysis of Properties using Fly Ash	International Journal of Engineering & Technology April 2018 Scopus
		A Study of Flexural and Bending Strength of Steel, Polypropylene and Hybrid Fibre Reinforced Concrete Without Adding Admixture	International Journal of Engineering & Technology
3	Mr.M.S.Dinesh Kumar Assistant Professor 1272	Flexural Behavior of Lightweight Expanded Clay Aggregate Concrete Beam Reinforced with Geogrid	International Journal of Pure and Applied Mathematics Volume April 2018 Scopus
4.	Mr.A.Mohan Assistant Professor 1263	Experimental Study on Geopolymer Concrete with Glass Fiber	International Journal of Advanced Research Trends in Engineering and Technology April 2018 Non scopus
		Replacement of Steel Slag as Coarse Aggregate in Concrete Mixture Leads to a Heavy Density Concrete	
		Behavior of Shear Wall in Earth Quake Resistant Structures	
		Experimental Investigation on Utilization of Fly Ash and Pond Ash with Self Compacting Concrete	

◎ Faculty Participation/Paper Presentations in Conferences and Seminars Hosted by Civil Department

S. No	Name, Designation and HTS No	Conference/ Seminar Title	Date and Venue	Paper Tile
1	Dr.S.Govindasami Professor 1367	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	A Study on the Capacity of Neem Powder as Natural Corrosion Inhinitor in Steel Reinforcement
				Load Carrying Capacity of Ferrocement Beam Elements
				Experimental Investigation on Flexural Behavior of Prosopis Juliflora Ash Concrete

S. No	Name, Designation and HTS No	Conference/ Seminar Title	Date and Venue	Paper Tile
				Comparative and Characteristics Study of Polypropylene Fiber Reinforced Concrete
				Partial Replacement of Binder and Fine Aggregate by Silica Fume and Copper Slag in Concrete
				Mechanical Strength of Polyolefin Fibre Reinforced Concrete
2	Dr.D.Sivakumar Professor 752	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Kinetic Study on Removal of Copper using Dead Saccharomyces Cerevisiae
				Kinetics Study on Removal of Colour from Textile Industry Wastewater
				Study on Polystyrene Insulated Concrete Block
				Assessment of Groundwater Stability Through Irrigation Indices
				Removal of Hexavalent Chromium using Column Reactor
				Role of Tamarind Kernel Powder for Treating Wastewater
				Role of Bamboo on Removal of Nickel from Aqueous Solution
				Ground Water Quality Assessment for Drinking Water
		International Conference on Global Environmental Changes and Sustainable Development	5th & 6th April 2018 & Vel Tech Rangarajan Dr. Sakunthala R & D Institute of Science and Technology	Removal of Copper from Electroplating Industry Wastewater using Dead *Saccharomyces Cerevisiae*
				Experimental Study for Removal of Hexavalent Chromium using Chitosan
				Equilibrium and Kinetic Study of Removal of Pollutants from Textile Industry Wastewater
				Strength Behaviour of Polystyrene Insulated Concrete Block for High Thermal Resistance Building
				Ground Water Quality Assessment around Ambattur Industrial Estate
				Ground Water Suitability for Irrigation in and around Madhavaram

S. No	Name, Designation and HTS No	Conference/ Seminar Title	Date and Venue	Paper Tile
				Treatment of Dairy Industry Wastewater – a Novel Adsorbent Tamarind Kernel Powder
				Removal of Nickel from Aqueous Solution using Bamboo
3	Dr. M.Tholkapiyan Professor 1292	International conference on Global Environmental Changes And Sustainable Development	04.04.2018 & 05.04.2018 & Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology	Performance Based Seismic Analysis Methods in Retrofitting
				An Experimental Investigation on Replacement Level of Recycled Aggregate on the Properties of No Fines Concrete
4	Dr.P.B.Sakthivel Professor 1390	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Load Carrying Capacity of Ferrocement Beam Elements
				A Study on the Capacity of Neem Powder as Natural Corrosion Inhinitor in Steel Reinforcement
				Strengthening of Reinforced Concrete Beam Elements by Warpping with GFRP
				Partial Replacement of Binder and Fine Aggregate by Silica Fume and Copper Slag in Concrete
				A Study of Nanosilica on the Properties of Concrete
				Comparative and Characteristics Study of Polypropylene Fiber Reinforced Concrete
				Experimental Investigation on Flexural Behavior of Prosopis Juliflora Ash Concrete
				Mechanical Strength of Polyolefin Fibre Reinforced Concrete
5	Mr.M. Manoj Kumar Asst. Prof. 933	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	An Experimental Investigations on High Strength Concrete with Metakolin &Glass Fibre
				An Experimental Investigation on Hollow Sphere Incorporated RCC Beam
				Experimental Investigation & Study on the Strength Parameter of Nano Concrete
6	Ms.S.Gayathri Asst. Prof. 1250	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Corrosion Prevention on Coated Rebars and Fiber in R.C Slabs
				Stabilization of Bitumen using Crumb Rubber and Glass Powder
7	Ms.J. Asanammal Saral Asst. Prof. 1347	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	An Experimental Investigation on Copper Slag Concrete in Bacterial Water and Normal Water
				A Study of Nano-Silica on the Properties of Concrete

S. No	Name, Designation and HTS No	Conference/ Seminar Title	Date and Venue	Paper Tile
8	Mr.J. Madhan Kumar Asst. Prof. 1388	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Strengthening of RCC Column using S-Glass Scrim Reinforced Ferrocement Jacketing
9	Mr.R.Kalaiselvan Asst. Prof. 1348	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Effect of Pressurized Heat Curing on Blended Cement using Silicafume and Super Plasticizetr
		International conference on Recent Trends in S cience and Technolgy.	20th April 2018 & GKM College of Engineering College.	Experimental Investigation of Geopolymer Concrete on Rigid Pavement.
10	Mr.B.Raghul Raj Asst. Prof. 1315	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	An Experimental Investigation on Copper Slag Concrete in Bacterial Water and Normal Water
11	MR.M.S. Dinesh Kumar Asst. Prof. 1272	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Strengthening of RCC Column using S-Glass Scrim Reinforced Ferrocement Jacketing
				A Study on the Capacity of Neem Powder as Natural Corrosion Inhinitor in Steel Reinforcement
				RC Beams Retrofitted by Ferrocement Laminates with Addition of Alccofine
12	S.Sarma Asst. Prof. 1317	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Experimental Investigation on Mechanical Properties of Fiber Reinforced Concrete using Basalt Fiber
				Experimental Investigation on High Performance Pervious Concrete using Silica fume
13	K.Renu Priyanka Asst. Prof. 1371	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Strengthening of Reinforced Concrete Beam Elements by Wrapping with GFRP
14	D.Anjala Asst. Prof. 1278	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Experimental Study on Partially Replacement of Cement by using Agricultural Waste in Concrete
15	A.Mohan Asst. Prof. 1263	National Conference AAVISHKAAR	02.04.2018 & Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Replacement of Coarse Aggregate with Steel Slag

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

◎ **About the Department**

The Department of Computer Science and Engineering was established in the year 2005 with an initial intake of 60 students and increased to 120 students in the year 2008. The main objective of this programme is to enable students to acquire strong knowledge in Computer Science and Engineering, as well as to enrich the students' personal, social and cognitive development to meet the challenges of the growing environment. The department has highly qualified and motivated faculty members who dedicate themselves to train the students and skilled staff. The department is well equipped with high end computers, latest software and state-of-the-art IT infrastructure and all these computing resources are interconnected with high speed intranet.

In addition, we have more than 200 E-Learning materials for the benefit of the students through NPTEL and also have more than 250 text and reference books in our department library. The students are exposed to up-to-date curriculum, technology and techniques through Guest Lectures, Symposium, Conferences, Workshop, Seminar, Value Added Courses and Alumni Interactions. The department also conducts Faculty Development Programs (FDP) and Orientation programmes to upgrade the knowledge and skills of the faculty members. The department faculty has involved in cutting-edge research areas like Biometric, Image Processing, Data Mining, Mobile Computing, Mobile Ad Hoc Networks, Wireless Sensor Networks, Network security, Cloud Computing and Internet of Things. The learning outcomes of our department are achieved with healthy breadth of spacious and ventilated classrooms.

◎ **Student Best Projects**

S. No	Batch No	VH. No	Name of the Student	Name of the Supervisor and Co-Supervisor	Title	Domain
1	1	6891	Janani .P	Mrs.S.Shanmuga Priya	An Iot Based Human Detection System in Queueing Sector	Internet Of Things
2		6911	Rami Reddy Likitha	Mrs. W. Ancy Breen		
3	2	6835	Divya Priya .R	Mrs. W. Ancy Breen	Iot Based Smart Irrigation and Anti-Flooding System using Raspberry Pi-2	Internet Of Things
4		6897	Prudvi Saidurgamadhavipriya	Mrs.S.Shanmuga Priya		
5	7	6845	Daphne Cenitabel .V	Mr. Praveen.T	Smart Enegry Management System (Sems) using Iot	Internet Of Things
6		6857	Priya .N	Dr.Veeramalai		
7	13	6859	Nithin Vishnu .S	Mrs.K. Sheela Shantha Kumari	Home Assistance Robotics	Robotics
8		6909	Vinayak Kumar .D	Dr. V. Manjula		

◎ **Faculty Corner**

Faculty Publications

S. No	Name, Designation and HTS No	Article Title	Journal Name, Period of Publication and Indexing
1	Dr.Hemalatha Assistant Professor HTS954	Mobile application for orpange using cloud computing	IEEE Explorer May 2018 Scopus

S. No	Name, Designation and HTS No	Article Title	Journal Name, Period of Publication and Indexing
2	Mr.Sabapathi Assistant Professor HTS1208	Mobile application for orpange using cloud computing	IEEE Explorer May 2018 Scopus
3	Dr.Hemalatha Assistant Professor HTS954	An Efficient Method for text and File Encryption for Secure Data Transmission through Audio Steganography	IJTSRD Jun 2018 Google Scholar
4	Dr.Hemalatha Assistant Professor HTS954	Online Voting Using Biometric	IJTSRD Jun 2018 Google Scholar
5	Dr.Hemalatha Assistant Professor HTS954	A Novel Colur Image Embedded QR Code Generation Technique for Chip –less RFIF Labeling	IJTSRD Jun 2018 Google Scholar
6	Dr. P. Murali Associate Professor HTS1354	An Efficient ROI Based Copyright Protection Scheme for Digital Images with SVD and Orthogonal Polynomials Transformation	Optik – International Journal for Light and Electron Optics April 2018 Elsevier
7	Dr. Veeramalai Sankaradass Professor HTS 1103	An Efficient ROI Based Copyright Protection Scheme for Digital Images with SVD and Orthogonal Polynomials Transformation	Optik – International Journal for Light and Electron Optics April 2018 Elsevier

Faculty Participation/Paper Presentations in Conferences and Seminars

S. No	Name, Designation and HTS No	Conference/Seminar Title, Hosted by and Date	Paper Tile
1	Mrs.P.K Sheela Shantha Kumari Assistant Professor HTS650	IEEE International Conference on Photonics and High Speed Optical Networks Icphon 2018 S.A Engineering College 12.04.18 &13.04.18	Data Leakage Fraud Detection Engine
2	Mrs.P.K Sheela Shantha Kumari Assistant Professor HTS650	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Providing Secure Data Transmission in Public Infrastructure Cloud
3	Mrs.W.Ancy Breen Assistant Professor HTS1077	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Iot Based Smart Irrigation and Anti-Flooding System using Raspberry Pi
4	Mrs.Durga Devi S Assistant Professor HTS 1355	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Prevention and Detection of Cloak and Dagger Attack
5	Dr.Malathy Professor HTS 1389	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Dynamic Key Generation in Multi Cloud Storage using Cryptographic Technique
6	Dr. Veeramalai Sankaradass Professor HTS1103	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Reduction of Irrelevant Document Retrieval

S. No	Name, Designation and HTS No	Conference/Seminar Title, Hosted by and Date	Paper Tile
7	Dr. P. Murali Associate Professor HTS1354	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Temporal Token Based Aunthentication for Ip Traceback
8	Mrs.S.Sageengrana Assistant Professor HTS1082	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Advanced Orchestrating Bulk Data Transfer Across Geo Distributed Data Centers
9	Ms. D.Rejees Jennifa Assistant Professor HTS1327	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Virtual Machines Memory Control
10	Mr.T.Praveen Assistant Professor HTS808	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Reduced Energy Management on Atm's Air Conditioners using Iot
11	Mrs. P.K.Sheela Shantha Kumari Assistant Professor HTS650	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Home Assistance Robotics
12	Dr.Veeramalai Sankaradass Professor HTS1103	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Predicting the Stock Market by using the Clustering Algorithm in Big Data
13	Dr. Manjula Professor HTS1382	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Detecting Malicious User and Remove Rumor from Social Network
14	Ms.R. Raja Saranya Assistant Professor HTS1245	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Mobile Navigation in Emergency Environment using Wireless Sensor Network
15	Mrs.S. Shanmuga Priya Assistant Professor HTS 556	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	A Noval Approach of Medical Data Sharing using Cloudlet
16	Dr.Hemalatha Assistant Professor HTS954	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Luna-Data Load Manager
17	Mrs.M.Queen Mary Vidya Assistant Professor HTS 1096	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Cost Effective Mapping between User and Seller Based on Multistage Bargaining
18	Mrs.Ancy Breen Assistant Professor HTS1077	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Reducing Effectiveness of Gray Hole Attack

S. No	Name, Designation and HTS No	Conference/Seminar Title, Hosted by and Date	Paper Tile
19	Mrs. Sageengrana Assistant Professor HTS1082	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Advanced Orchestrating Bulk Data Transfer Across Geo Distributed Data Centers
20	Dr.Malathy.M Professor HTS 1389	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Teamphone
21	Mr.V.Sabapathi Assistant Professor HTS1208	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Optimization of Packet Classification Based on Rule set
22	Dr.Manjula Professor HTS1382	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Mobile App Authencation to Improve Security in Android Devices
23	Mrs.S. Shanmuga Priya Assistant Professor HTS 556	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Iot Based Queue Detection System
24	Dr.E. Kamalanaban Professor HTS1341	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Secure Framework for Cbir in Cloud Computing
25	Dr.Malathy.M Professor HTS1389	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Electronic Toll Collection System using Smart Phone
26	Mrs.Lizy Assistant Professor HTS1377	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Donor Finder and Life Saver Application in Android
27	Mr.R. Karthikeyan Assistant Professor HTS1361	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Implementation of Effective Crop Selection by using the Random Forest Algorithm
28	Mr.R.Danu Assistant Professor HTS1113	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Enhancement in Firewall Design and Verification
29	Mr.R. Karthikeyan Assistant Professor HTS1361	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Analyzing Real Time Health Care Data for Disease Prediction Systems
30	Ms.P.J.Alin Mercybha Assistant Professor HTS1268	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Image Source Detection on Social Network Based on Image Classification

S. No	Name, Designation and HTS No	Conference/Seminar Title, Hosted by and Date	Paper Tile
31	Dr.Veeramalai Sankaradass Professor HTS1103	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Image Retrieval and Prediction / Recovery System using Binarization
32	Mr.Praveen.T Assistant Professor HTS808	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	A Health Decision Support System for Disease Diagnosis Based on Machine Learning Via Big Data
33	Dr.E.Kamalanaban Professor HTS1341	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	An Id-Based Aggregate Signature Scheme Using Reputation Model for Wireless Sensor Networks
34	Ms. M.Gowthami Assistant Professor HTS1116	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Detection and Avoidance of Greedy Behavior Nodes in Vehicular Access Environment
35	S. Durga Devi Assistant Professor HTS1355	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Detecion, Characterisation and Identification of Spoofed and Cloaked Events in Wirless Device Network
36	Dr.E. Kamalanaban Professor HTS1341	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Dangerous Selfie
37	V.S.Raj Kumar Assistant Professor HTS1298	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Content Based Image Retrieval Designed on Network Big Data
38	Dr.P.Murali Associate Professor HTS1354	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Fakemask
39	Dr.P.Murali Associate Professor HTS1354	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Analysis and Prediction of Customer Review Rating using Bigdata Analytics
40	Mr. P. Senthil Assistant Professor HTS1246	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Train Ticket Inspection and Validation using Biometrics
41	Dr. Hemalatha.S Assistant Professor HTS954	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Steganography by Reversible Texture Synthesis using Various Encryption
42	Ms. R.Anto Rose Assistant Professor HTS1156	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Anti Theft Detection

S. No	Name, Designation and HTS No	Conference/Seminar Title, Hosted by and Date	Paper Tile
43	Mr. P. Karthikeyan Assistant Professor HTS206	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Effective Quarantine System for Virus
44	Mr. R. Danu Assistant Professor HTS1113	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Secured Voting using Finger Print
45	Mrs.M. Queen Mary Vidya Assistant Professor HTS 1096	National Conference aavishkaar-2018 Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College 02.04.18 & 03.04.18	Girls Fightback Android App
46	Dr. Hemalatha S Assistant Professor HTS 954	International Conference on Recent Trends in Computational Engineering and Technologies (ICTRCET'18) RajaRajeswari College of Engineering, Bengaluru. 17.05.18&18.05.18	Dynamic Key Generation in Multi-Cloud Storageusing Cryptographic Technique
47	Dr. Hemalatha S Assistant Professor HTS 954	IEEE International Conference on Photonics and High Speed Optical Networks ICPHON 2018 S.A Engineering College 12.04.18 &13.04.18	Mobile Application for Orphanage using Cloud Computing
48	Dr. P. Murali Associate Professor HTS1354	2018 ISMAC-CVB International Conference on ISMAC in Computational vision and Bioengineering SCAD Institute of Technology, Palladam 16.05.18 & 17.05.18	Region of Interest (ROI) Based Image Encryption with Sine Map and Lorenz System
49	Dr. P. Murali AssociateProfessor HTS1354	2018 ISMAC-CVB International Conference on ISMAC in Computational vision and Bioengineering SCAD Institute of Technology, Palladam. 16.05.18 & 17.05.18	Chaos Based Color Image Encryption with DNA Operations
50	Dr.V.Manjula Professor HTS1382	International Conference on Recent Trends in Computational Engineering and Technologies (ICTRCET'18) RajaRajeswari College of Engineering, Bengaluru. 17.05.18 & 18.05.18	Structural Balance Theory Based on E-CommerceRecommendation for Farmer Artifact Pricing OverBig Data
51	Dr.V.Manjula Professor HTS1382	International Conference on Recent Trends in Computational Engineering and Technologies (ICTRCET'18) RajaRajeswari College of Engineering, Bengaluru. 17.05.18 & 18.05.18	Smart Toll Collection System using QR-Code
52	Dr.V.Manjula Professor HTS1382	International Conference on Photonics and High Speed Optical Networks ICPHON 2018 S.A Engineering College 12.04.18 &13.04.18	BLOGLIGHT

S. No	Name, Designation and HTS No	Conference/Seminar Title, Hosted by and Date	Paper Tile
53	Dr.M.Malathy Professor HTS1389	International Conference on Recent Trends in Computational Engineering and Technologies (ICTRCET'18) Raja Rajeswari College of Engineering, Bengaluru. 17.05.18&18.05.18	Dynamic Key Generation in Multi-Cloud Storage using Cryptographic Technique
54	Dr.M.Malathy Professor HTS1389	International Conference on Recent Trends in Computational Engineering and Technologies (ICTRCET'18) Raja Rajeswari College of Engineering, Bengaluru. 17.05.18 &18.05.18	Structural Balance Theory Based on E-Commerce Recommendation for Farmer Artifact Pricing Over Big Data
55	Dr.M.Malathy Professor HTS1389	International Conference on Recent Trends in Computational Engineering and Technologies (ICTRCET'18) Raja Rajeswari College of Engineering, Bengaluru. 17.05.18&18.05.18	Smart Toll Collection System using QR-Code
56	Dr.M.Malathy Professor HTS1389	International Conference on Recent Trends in Computational Engineering and Technologies (ICTRCET'18) Raja Rajeswari College of Engineering, Bengaluru. 17.05.18&18.05.18	Secure Storage in AWS-MySQL using R Programming
57	Mr.R.Danu Assistant Professor HTS1113	International Conference on Informatics Computing in Engineering Systems (ICICES) S.A Engineering College 21.03.18&22.03.18	Vulnerability Scanner in Mobile and System Applications
58	Mr.R.Danu Assistant Professor HTS1113	IEEE International Conference on Photonics and High Speed Optical Networks ICPHON S.A Engineering College 12.04.18 &13.04.18	Identifying and Detecting spoiled and damaged Rice in modern Rice mill

Faculty Awards

Mr.V.Sabapathi [HTS1208] Assistant Professor of CSE Department won the bronze medal in Vocal Skill Competition in South Zone Regional Level organized by National Abilympic Association of India, Hyderabad on 18th June 2018.

Department of Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering was established in the year 2008 with an intake of 60 students. Our mission is to impart technical knowledge and skills to the students to become technically sound, practical and self sufficient Electrical Engineers. Apart from making them good technocrats, we also provide individual attention to make them good citizens of our nation to serve the society. The department functions with efficient faculty and well equipped lab facilities.

It has conducted many technical symposium and workshops. The teaching and research activities are supported by a team of Dean, Professor, Assistant Professor and Lecturers who were well qualified and experienced in their field of study. The Department has well established state-of-art laboratories to inculcate practical knowledge to the students and it is well structured and built with spacious, ventilated class rooms.

◎   **Student Participation/Paper Presentations in Conferences and Seminars**

S. No	Name VH No and Year/Sem	Conference/Seminar Title, Hosted by Date	Title of Paper
1	Arun R 6544 (IV / VIII) Tamilselvan 6475 (IV / VIII) Abinesh G 6545(IV / VIII)	"International Conference on Power Electronics Renewable Energy Systems" Rajalakshmi Engineering College 04.04.2018 & 05.04.2018	Power Quality Improvement using Nine Switch Multilevel Inverter
2	Prasanth A 6524 (IV / VIII) Arunachalam Ars 6543 (IV / VIII)	"International Conference on Power Electronics Renewable Energy Systems" Rajalakshmi Engineering College 04.04.2018 & 05.04.2018	Design and Implementation of Embedded System for Detecting Whirlpool / Giant Waves and to Control Citical Border Crossing using Satellite Communication
3	Vijayakumar V 6521 (IV / VIII) Muthukumar.D 6489 (IV / VIII) Ramanujam A 6538 (IV / VIII)	"International Conference on Power Electronics Renewable Energy Systems" Rajalakshmi Engineering College 04.04.2018 & 05.04.2018	Power Quality Enhancement for Wind Energy Conversion System using Conservative Power Theory
4	Mohan Raj J 6523 (IV / VIII) Sivachandran C 6550 (IV / VIII) Manish S 6525 (IV / VIII)	"International Conference on Power Electronics Renewable Energy Systems" Rajalakshmi Engineering College 04.04.2018 & 05.04.2018	Comparative Evaluation of Harmonic Content and Power Factor Improvement for High Frequency Induction Furnace Application
5	Ranjit B 6528 (IV / VIII) Rajeshwaran R 6542 (IV / VIII) Vignesh P 6519 (IV / VIII)	"International Conference on Power Electronics Renewable Energy Systems" Rajalakshmi Engineering College 04.04.2018 & 05.04.2018	Wireless Safety System in Crackers Factory using Iot
6	Giftson Jenish M 6534 (IV / VIII) Vijayakumar A 6548 (IV / VIII) Siva P 6533 (IV / VIII)	"International Conference on Power Electronics Renewable Energy Systems" Rajalakshmi Engineering College 04.04.2018 & 05.04.2018	Novel Method of Lcc Compensation in Electric Vehicles Wireless Charging System

S. No	Name VH No and Year/Sem	Conference/Seminar Title, Hosted by Date	Title of Paper
7	Balaji A 6522 (IV / VIII) Kamalnath A 6547 (IV / VIII) Ashok M 6532 (IV / VIII)	"International Conference on Power Electronics Renewable Energy Systems" Rajalakshmi Engineering College 04.04.2018 & 05.04.2018	Design and Implementation of High Gain Isolated Dc-Dc Converter for Grid Tied Offshore Wind Energy System
8	Karthikeyan G 6549 (IV / VIII) Mohamed Ilyas M 6527 (IV / VIII) Rakesh K 6536 (IV / VIII)	"International Conference on Power Electronics Renewable Energy Systems" Rajalakshmi Engineering College 04.04.2018 & 05.04.2018	Reactive Power Compensation by using V2g Technology
9	Sujitha S 6531 (IV / VIII) Soundarya K 6539 (IV / VIII)	"International Conference on Power Electronics Renewable Energy Systems" Rajalakshmi Engineering College 04.04.2018 & 05.04.2018	Bfoa and Anfis Based Mppt Controller for Partial Shaded Pv System
10	Aishwarya M 6526 (IV / VIII) Jayachandriga K 6551 (IV / VIII) Kanchana D 6540 (IV / VIII)	"International Conference on Power Electronics Renewable Energy Systems" Rajalakshmi Engineering College 04.04.2018 & 05.04.2018	Grid Current Shaping and Under Voltage Effect of Induction Motor using Model Predictive Control Technique
11	Nantha Bala M 6539 (IV / VIII) Archana S 6518 (IV / VIII) Uma Shankari S 6541 (IV / VIII)	"International Conference on Power Electronics Renewable Energy Systems" Rajalakshmi Engineering College 04.04.2018 & 05.04.2018	Sliding Mode Controller Based Grid Coupled PV System

◎ **Students Projects**

S. No	Batch No.	Name	Register Number	Vh. No	Title	Supervisor
1	1	Arun R	113014105004	6544	Intelligent Voltage Regulator for Power Quality Improvement in Low Voltage Distribution Grid	Mr.Sri Krishna Kumar S
2		Tamilselvan	113014105304	6475		
3		Abinesh G	113014105001	6545		
4	2	Prasanth A	113014105020	6524	Monitoring and Rescue System for Fisherman Boat	Mr.Siva Saravana Babu (Ece Dept)
5		Arunachalam Ars	113014105005	6543		
6	4	Mohan Raj J	113014105018	6523	Performance Analysis of Electrical Furnace	Mr.Senthil Kumar R
7		Sivachandran C	113014105026	6550		
8		Manish S	113014105016	6525		
9	6	Ranjit B	113014105024	6528	Wireless Safety System in Crackers Factory using Iot Modem	Mrs. P Punitha (Ece Dept)
10		Rajeshwaran R	113014105021	6542		
11		Vignesh P	113014105032	6519		
12	12	Nantha Bala M	113014105019	6539	Sliding Mode Controller Based Converter Less Grid Coupled Inverter using Residential Pv	Mr. Mohammed Ovaiz A
13		Archana S	113014105003	6518		
14		Uma Shankari S	113014105031	6541		

Faculty Participations in FDPs and Workshops

S.No	Name, Designation and HTS No	FDP/Workshop, Hosted by and Date and Venue
1.	Mr.Senthil Kumar.R Assistant Professor 756	FDP on "ME6701-Power Plant Engineering". Velammal Institute of Technology 21.05.2018-28.05.2018
2.	Mr.Pradeep Katta Assistant Professor 593	FDP on "EE8391-Electro Magnetic Theory" Velammal Engineering College,Chennai 13.06.2018-19.06.2018
3.	Mr.K.R.Sugavanam Assistant Professor 603	FDP on "EE8391 Velammal Engineering College 13.06.2018-19.06.2018
4.	Mrs.R.Suguna Assistant Professor 1136	FDP on "EE8391 Velammal Engineering College 13.06.2018-19.06.2018
5.	Mr.Mohammed Ovaiz.A Assistant Professor 1175	FDP on "EE8391 Velammal Engineering College 13.06.2018-19.06.2018

Department of Electronics and Communication Engineering

The Department of Electronic and Communication Engineering was established in the year 2002 with initial intake of 60 students and it is now increased to 120 students. The Department was started with an objective to impart high quality education in the field of Electronic and Communication Engineering. It is accredited by NBA. The Department has state-of-art labs, qualified and well experienced faculty with the passion for both teaching and research. The Department aims to produce Electronic and Communication Engineers with excellent skills sets to meet the needs of our field. The department has been consistently producing illustrious engineers of fine caliber and enabling them to occupy prestigious position in the academics and in the industrial fields.

◎ Inplant Training

S.No	VH No	Name	Sem	Company Name	Date Attended
1	Vh7884	Diviya D	V	Codebind Technologies	20.06.2018-24.06.2018
2	Vh7885	Ramya G	V	Codebind Technologies	20.06.2018-24.06.2018
3	Vh7800	Sanjana J	V	Codebind Technologies	20.06.2018-24.06.2018
4	Vh7827	Gayathri V	V	Codebind Technologies	20.06.2018-24.06.2018
5	Vh7819	Sandeep B S	V	Codebind Technologies	20.06.2018-24.06.2018
6	Vh7799	Jenifer G	V	Cdce Automation	04.06.2018-10.06.2018
7	Vh7808	Mirdharshini S	V	Cdce Automation	04.06.2018-10.06.2018
8	Vh7812	Sarmishta B	V	Cdce Automation	04.06.2018-10.06.2018
9	Vh7824	Priyadharshini K	V	IPCS Automation	18.06.2018-20.06.2018
10	Vh7874	Lavanya L	V	IPCS Automation	18.06.2018-20.06.2018
11	Vh7113	Kesavan.R	VII	Innovate Engineering Solution	25.06.2018-26.06.2018

◎ Faculty Corner

Faculty Publications

S. No	Name, Designation and HTS No	Article Title	Journal Name, Period of Publication and Indexing
1	N.Prabhakaran Assistant Professor 157	Environmental application: Automatically Monitoring the Growth of Crops Using Raspberry Pi	International Journal of Pure and Applied Mathematics June 2018 Scopus
2	N.D Bobby Professor 1273	Environmental application: Automatically Monitoring the Growth of Crops Using Raspberry Pi	International Journal of Pure and Applied Mathematics June 2018 Scopus
3	J.Thameema Begum Assistant Professor 1174	Environmental application: Automatically Monitoring the Growth of Crops Using Raspberry Pi	International Journal of Pure and Applied Mathematics June 2018 Scopus
4	G.Sakana Assistant Professor 1153	Environmental application: Automatically Monitoring the Growth of Crops Using Raspberry Pi	International Journal of Pure and Applied Mathematics June 2018 Scopus
5	M.Munieddy Assistant Professor 722	Environmental application: Automatically Monitoring the Growth of Crops Using Raspberry Pi	International Journal of Pure and Applied Mathematics June 2018 Scopus

S. No	Name, Designation and HTS No	Article Title	Journal Name, Period of Publication and Indexing
6	N.Prabhakaran Assistant Professor 157	NIR Optical Led Based Detection of Sinusitis in Frontal and Ethmoid Sinus Region Using SVM Optimization Algorithm	International Journal of Pure and Applied Mathematics June 2018 Scopus
7	N.D Bobby Professor 1273	NIR Optical Led Based Detection of Sinusitis in Frontal and Ethmoid Sinus Region Using SVM Optimization Algorithm	International Journal of Pure and Applied Mathematics June 2018 Scopus
8	J.Thameema Begum Assistant Professor 1174	NIR Optical Led Based Detection of Sinusitis in Frontal and Ethmoid Sinus Region Using SVM Optimization Algorithm	International Journal of Pure and Applied Mathematics June 2018 Scopus
9	M.Munieddy Assistant Professor 722	NIR Optical Led Based Detection of Sinusitis in Frontal and Ethmoid Sinus Region Using SVM Optimization Algorithm	International Journal of Pure and Applied Mathematics June 2018 Scopus
10	V.P Kolanchinathan Assistant Professor 1282	NIR Optical Led Based Detection of Sinusitis in Frontal and Ethmoid Sinus Region Using SVM Optimization Algorithm	International Journal of Pure and Applied Mathematics June 2018 Scopus
11	N.Prabhakaran Assistant Professor 157	Geospatial analysis of terrain through optimized feature extraction and regression model with preserved convex region	Multimedia Tools and Applications June 2018 Springer
12	N.Prabhakaran Assistant Professor 157	Environmental Applications: Effective Analysis of land Classification for change detection of satellite images in Chennai region	Ecolog, environment and conservation June 2018 Scopus

Faculty Participation/Paper Presentations in Conferences and Seminars Hosted by VTHT

S. No	Name, Designation and HTS No	Conference/Seminar Title and Date	Paper Tile
1	Praveen Kumar.E AP 1080	National Conference Aaviskaar 2018 02.04.18	Detection of Brain Stages using BCI with EEG in Arduino
2	Thiyagrarajan.S AP 1099	National Conference Aaviskaar 2018 02.04.18	Data Prevention from Network Hacking using Wireless Sensor Network
3	Sakana.G AP 1153	National Conference Aaviskaar 2018 02.04.18	Early Stage Diagnosis of Disease in All Parts of the Body by using Iris Image
4	Sivapriya.G AP 1133	National Conference Aaviskaar 2018 02.04.18	Early Lung Cancer Identification using Fuzzy C Means

Faculty Participations in FDPs and Workshops hosted by Anna University

S.No	Name, Designation and HTS No	FDP/Workshop	Date and Venue
1	S.Thiyagarajan AP 1099	FDP on EC6504 – Microprocessors and Microcontrollers	30-05-2018 to 05-06-2018 Anna university, College of Engineering, Guindy Campus.

Learning Outcomes

◎ All Details pertaining to 8086 microprocessor like architecture, addressing modes, programming, etc.

◎ 8086 System Bus Structure – Configuration

◎ I/O Interfacing with peripheral devices

◎ Microcontroller – 8051 Architecture, address modes and Assembly language Programming

◎ Interfacing of Microcontroller with peripheral devices like ADC, DAC, Sensor Interfacing, Stepper Motor, etc

Department of Information Technology

The Department of Information Technology was established in the year 2006 with 60 students. The Department is fully equipped with high quality laboratories. The Department consists of dedicated and highly qualified faculty members. The laboratories are updated with highly configured systems and recent Technological software, which enables to provide quality education. Students are motivated to participate in competitive events, National and International Conferences that are conducted by various Organizations and Educational Institutions. Students also visit Industries to gain practical knowledge on application of the technologies they learn as part of their course curriculum. Our Department Staff and Students are members in various Associations. We conduct several Faculty Development Programs (FDP), Guest Lecturers and Symposium for the benefit of students and staffs related to the subjects with the new and emerging concepts by the experts in that area.

◎ **Students Best Projects**

S. No	Batch No.	Name and VH No	Title	Supervisor
1	1	Gowtham V Vh6950	Smart Ambulance with Traffic Control	Dr.A.Nirmal Kumar
		Vasanth S Vh6964		
2	2	Kalyani S Vh6942	Tracking Expiration by RFID	Mr.J.Velmurugan
		Suganya V Vh6949		
3	3	Uma Mageswari P Vh6970	Annotation of Eeg Signals for D2d Vehicular System	Mr.R.Maniraj
		Monika S Vh6977		
4	4	Nandhini R Vh6962	A Sleep Detection with Driver Assistance Security for Accident Avoidance Based System	Ms.D.Daya Florance
5	5	Manikkavethan R Vh6976	Smart Safety Helmet for Coal Miners using Li-Fi	Mr.A.Vishnu Kumar
		Ravi K Vh6978		

◎ **Student Participations in Seminar**

S.No	Vh No	Name	Sem	Seminar	Hosted by	Date and Venue
1	Vh7659	Mohammed Azaruddin .K	VI	Current Trends In Industry	VTHT	09.06.2018, Saravanavel Auditorium
2	Vh7647	Saravana Kumar .P	VI			
3	Vh7655	Rogith .R	VI			
4	Vh7641	Priyadharshini .R	VI			
5	Vh7648	Deepika .V.C	VI			
6	Vh7683	Devapriya .E	VI			
7	Vh7656	Sasidharan .S	VI			
8	Vh7660	Aravind Raj .S	VI			

◎ Student Awards

Manikkavethan.R (VH 6976) of Final Year-IT is awarded as BEST PAPER PRESENTER for the paper titled "A Driver Sleep Detection System" in technical presentation and research contribution to AAVISHKAAR'2018 National Conference on 2nd April 2018 held at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College.

M.Sharan(II Year – IT Student) has secured 7th place for +80Kg category of Chennai District has participated as a competitor in the Inter District Body Building Championship organized by Chennai District Body Building Association on 29th April, 2018 at Chennai.

◎ Alumni Corner

Alumni Interaction

S.No	Batch	Alumni Name and VH No	Date of Interaction	Position Held
1	2007-2011	Mr.M.Arun Prasath VH1666	09.04.2018	Senior Software Engineer, Digital Nirvana Information Systems

It was on the 9th April, 2018 that the whole of IT department witnessed the interaction of an Alumnus, Mr.M.Arun Prasath of batch 2007-2011 working as a Senior Software Engineer at Digital Nirvana Information Systems, Coimbatore, came to share his experience with the students.

He motivated the students with his positive speech. He encouraged the students to get placed during campus interview and shared his experience in the company. He explained about the current technologies in the industry and how to survive in the software industry. He gave us some tips to score more marks in the semester and also for placement preparation. He spent all his time in selflessly clearing all the doubts that the students raised in the arena.

◎ **Faculty Participation/Paper Presentations in Conferences and Seminars hosted by VTHT**

S. No	Name and Designation	HTS No	Paper Tile	Conference/ Seminar and Date
1	Dr.A.Nirmal Kumar Associate Professor	HTS1258	Smart Ambulance with Traffic Control	
2	Dr.M.Malleswari Professor	HTS1261	Secure Relay Selection and Attack Prevention Technique for Energy Harvesting Networks	
3	Mr.R.Maniraj Assistant Professor	HTS1134		
4	Ms.D.Daya Florance Assistant Professor	HTS1132	Human Welfare Safety and Prevention System	
5	Dr.M.Malleswari Professor	HTS1261		
6	Mr.T.Ganesh Assistant Professor	HTS1325	Data Prevention from Network Hacking using Wireless Sensor Networks	
7	Ms.A.Jayanthi Assistant Professor	HTS1194	Big Data Integration of Disease Detection with Drug Recommendation using Machine Learning	
8	Mr.R.Maniraj Assistant Professor	HTS1134		
9	Dr.M.Malleswari Professor	HTS1261	Comparative Analysis of Machine Learning Algorithms to Identify Churn for Telecom Data	AAVISHKAAR'2 018-National Conference 02.04.2018
10	Mr.R.Maniraj Assistant Professor	HTS1134		
11	Mr.J.Velmurugan Assistant Professor	HTS352	ImprovedResults Accuracy with Multi Keyword Search Over Encrypted Cloud Data	
12	Dr.A.Nirmal Kumar Associate Professor	HTS1258		
13	Ms.D.Daya Florance Assistant Professor	HTS1132	A Driver Sleep Detection System	
14	Mr.R.Maniraj Assistant Professor	HTS1134	Anotation of EEG Signals for D2D Vehicular System	
15	Mr.R.Maniraj Assistant Professor	HTS1134	Augmented Reality Virtual Keyboard with Eyeball Movement Based Cursor Control Using Raspberry PI	
16	Dr.A.Nirmal Kumar Associate Professor	HTS1258	Dermatological Disease Detection using Deep Learning and Ensemble Feature.	
17	Mr.J.Velmurugan Assistant Professor	HTS352		

◎ Faculty Participations in FDPs and Workshops hosted by VTHT

S. No	Name and Designation	HTS No	FDP/Workshop/ Seminar	Date and Venue
1	Mr.M.Gopinath Assistant Professor	HTS 1385	Power Seminar on "Current Trends in Industry"	09.06.2018, Saravanavel Auditorium
2	Mr.J.Velmurugan Assistant Professor	HTS 352	Power Seminar on "Current Trends in Industry"	09.06.2018, Saravanavel Auditorium
3	Mr.A.Vishnu Kumar Assistant Professor	HTS 518		
4	Dr.M.Malleswari Professor	HTS1261	FDP on "Introduction to Big Data Analytics"	19.06.2018 & 20.06.2018, Saravanavel Auditorium
5	Dr.A.Nirmal Kumar Associate Professor	HTS1258		
6	Mr.J.Velmurugan Assistant Professor	HTS 352		
7	Mr.A.Vishnu Kumar Assistant Professor	HTS 518		
8	Ms.D.Daya Florance Assistant Professor	HTS1132		
9	Ms.A.Jayanthi Assistant Professor	HTS1194		
10	Mr.M.Gopinath Assistant Professor	HTS 1385		

◎ Faculty Awards

Ms.D.Daya Florance, AP/IT is awarded as BEST PAPER PRESENTER for the paper titled "A Driver Sleep Detection System" in technical presentation and research contribution to AAVISHKAAR'2018 National Conference on 2nd April 2018 held at Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College.

Department of Mechanical Engineering

The Mechanical department was established in the year 2009 with an intake of 60 students, at present it is increased to 120 students. The mission is to impart technical knowledge and skills to the students to become technically sound, practical and self sufficient Mechanical Engineers. Apart from making them good technocrats, the department also provides individual attention to make them good citizens of our nation to serve the society. The department functions with efficient faculty and well equipped lab facilities. It has conducted many technical symposium and workshops. The teaching and research activities are supported by a team of Dean, Professors and Assistant Professors who were well qualified and experienced in their field of study. The Department has well established state-of-art laboratories to inculcate practical knowledge to the students and it is well structured and built with spacious, ventilated class rooms.

◎   **Student Best Projects**

S. No	Regno	Name	Project Title	Internal Supervisor	Internal Joint Supervisor
1	113014114059	Muhammed Faisal	Sand Blast Cleaning of Buffer Case for Crack Dectection	Mr Aravindh	Mr R Prasanth
	113014114022	Dayanithi .M			
	113014114004	Akshay Kumar P			
2	113014114044	Kishore R	Waste Water Recycling Unit in Lhb	Mr Aravindh	Mr R Prasanth
	113014114064	Naveen Chandhar P			
	113014114012	Athish As			
3	113014114017	Balasubramanian S	Modelling and Analysis of Hard Hat using Jute and Glass Fiber Reinforecd Composite Materials	Mr K Mariyappan	Mr Aravindh S
	113014114043	Karthi Kumar P			
	113014114047	Madhana Surender R			
4	113014114310	Giridharan L	Twowheeler Aero Brakeing System	Mr Tvb Babu	Mr K Mariyappan
	113014114106	Vishnu Annamalai V			
	113014114076	Ram Kumar R			
	113014114326	Saravanan G			
5	113014114061	Nantha Kumar M	Design and Structural Analysis of an Airfoil by Al7050-Ar Fiber	Mr M Muralidharan	Dr R Anbazhagan
	113014114013	Azeez Ahmed N			
	113014114084	Sanjeev M			
6	113014114101	Vignesh M	Latent Clutch Mechanism	Dr K Arumugam	Dr P Nagasankar
	113014114028	Durai Raj S			
	113014114099	Venugopal V			
7	113014114016	Balaji V	Reactive Braking System	Mr N Nagendran N	Mrs Rani Ks
	113014114072	Raghul S			
	113014114098	Vaishnav V P			
8	113014114040	Jasim Salahudin S	Design and Analysis of Fixture for Edge Prepartion of Elbow	Dr P Nagasankar	Mr Tvb Babu
	113014114023	Deepak J			
	113014114007	Aravindhan S			
9	113014114078	Refugene James Dev. S	Design of Fixture for Rotor Post	Dr R Anbazhagan	Dr.R.Suresh
	113014114093	Srikanth.S			
	113014114110	Yeshwanth Raj.M.G			
10	113014114089	Seshathri S A	Conversion of Natural Oil in to Bio Fuel Usage in Automobile Engine	Mr Satheesh Kumar S	Mr Rajamanikkam S
	113014114100	Vignesh L			
	113014114102	Vignesh Ram S			

◎ Inplant Training

S.No	VH No	Name	Sem	Company Name	Date Attended
1	8044	S.Devarajan	4	Wheels India , sriperumbudur	18.05.2018 -24.05.2018
2	8048	V.Karthikeyan	4	Wheels India , sriperumbudur	18.05.2018 -24.05.2018
3	7317	Rajkumar	6	North Chennai Thermal power Station	08.05.2018-22.05.2018
4	7317	Rajkumar	6	SRF Limited,Manali	25.05.2018-30.05.2018
5	7357	E.Jachin Luke	6	TAFE,Moolakadai	25.05.2018-29.05.2018
6	7372	S.Aravind	6	TAFE,Moolakadai	25.05.2018-29.05.2018
7	8024	K.Thurabudeen	6	Simpson and Company ltd	18.05.2018-22.05.2018
8	8018	K.Vijay logesh	6	Simpson and Company ltd	18.05.2018-22.05.2018

◎ Faculty Corner

Faculty Participation/Paper Presentations in Conferences and Seminars

S. No	Name and Designation	HTS. No.	Paper Tile	Conference/ Seminar Title, Hosted by and Date
1	K.Arumugam Professor	696	An experimental analysis of INCONAL 825 in Abrasive water jet machining CAWJM for circulatory and tapper angle using grey relational analysis	"International Conference on Innovations and challenges in Engineering and Technology" Kings Engineering College, Chennai. 07.04.18
2	R.Anbazhagan Associate Professor	1286		
3	V. Sathiyamoorthy Associate Professor	1287		
4	S.Rajamanikkam Associate Professor	723		
5	S.Rajamanikkam Associate Professor	723	Electrical Discharge machining EDM of Inconel Ti8 and TI-6AL-4V-REVIEW	
6	R.Prasanth Assistant Professor	1076	Comparitive Design and analysis of Helical and wave spring	
7	M.Muralidharan Assistant Professor	1073	Comparitive Design and analysis of Helical and wave s aqpring	
8	T.V.B.Babu Assistant Professor	797	Two wheeler aerobraking system	"AAVISHKAR 2018 National Conference" Veltech Hightech Dr.RR Dr.SR Engineering College 02.04.18
9	N.Nagendran Assistant Professor	934	Reactive Breaking system	
10	R.Manjunathan Assistant Professor	1101	Design and fabrication of lifting beam for air preheater center section parts	
11	Dr P Nagasankar Assistant Professor	1391	Design and manufacturing of fixture for edge 91aximizing91 of elbow	
12	Dr K Arumugam Assistant Professor	696	Mini steam powerplant using natural (blender)	
13	Mr Kartick N Assistant Professor	815	Design and analysis of battery box lifter	
14	Mr E Prakash Assistant Professor	1255	Lean implementation in tata 91aximiz cell	
15	Mr E Prakash Assistant Professor	1255	Automatic drunk and drive avoiding with helmet locking system	
16	Dr.R.Suresh Associate Professor	1291	Quality in improvement 91aximizing91on of tail gate weather strip assembly process at hyil	
17	Mr P Balaji Assistant Professor	1340	Design and fabrication of maximising torque in thread rod	

S. No	Name and Designation	HTS. No.	Paper Tile	Conference/ Seminar Title, Hosted by and Date
18	Mrs Gayathiri Assistant Professor	725	Improvement of efficiency and productivity and hydraulic cylinders	"AAVISHKAR 2018 National Conference" Veltech Hightech Dr.RR Dr.SR Engineering College 02.04.18
19	Mr Muralidharan M Assistant Professor	1073	Effect of water absorption on the Tensile behaviour of synthetic Fiber reinforced polymer	
20	S.Satheeshkumar Assistant Professor	1076	Effect of Moisture Absorption on the Tensile Behavior of Woven Hybrid Natural Fiber Reinforced Polymer Composites	

Faculty Participations in FDPs and Workshops

S.No	Name, Designation and HTS No.	FDP/Workshop, Hosted by and Date
1	S.Rajamanickam Assistant Professor 723	"Two day National level seminar on Recent Trends in Additive manufacturing of Tissue and organs" GRT Institute of Engineering and Technology 26-27/04/18
2	N.Gayathri Assistant Professor 725	"FDP on ME6701 Power Plant Engineering" Velammal Institute of Technology 21.05.2018-28.05.2018

Learning Outcomes

This Seminar has provided ample amount of knowledge on rapid proto typing and its advancements and additive manufacturing techniques were clearly explained. This seminar gave more ideas to my ongoing PhD.

This FDP on "Power plant Engineering" has provided knowledge on the types of power plant and its advancements and combined power plants. Advantages, applications and disadvantages were clearly explained. New techniques on controlling exhaust gas were learned by the Professor.

Department of Master of Business Administration

The MBA Program was started in the year 2006 with 55 students and has successfully graduated 10 batches. VEL TECH HIGH TECH MBA Program is a full time program. The duration of the course is two years split into four semesters. Each semester shall normally consist of 90 working days. The department has a team of 8 faculty members who offers a vast reservoir of knowledge to learn and leverage. They focus on developing value based and competent human resource for betterment of the globe. Students get a chance not only to learn from the faculty but also to discuss and debate the concepts they learn with people from industry through various Industry Interactive Programs. The Programme also includes seminar and practicals. The students are given an option to choose any two specializations from the range of electives given below:

◎ Finance

◎ Human Resource

◎ Marketing

◎ Systems

◎ Operations

VEL TECH HIGH TECH MBA Program prepares you to tackle the complex business challenges of the future and to exercise the leadership needed to obtain results through others, differentiated by its cutting-edge research, the quality of its academic staff, the depth of its educational programs, and its close link with industry. Situated in the outskirts of Chennai city, it is one of the Chennai's premier learning and research institutions for MBA aspirants.

◎ **Students Best Projects**

S. No	Name and Regno	ID No	Project Title	Internal Guide Name
1	Ms.G.Kalyani 113016631016	571	A Study on Supervisory Development Program for Level-2 Employees and its impact on Employee Performance and Organizational Effectiveness at Brakes India Pvt.Ltd	Dr.Evangeline.E.T
2	Ms.Merlin.M 113016631023	587	A Study on Employee's Opinion about Skill GAP Analysis in KCP Ltd	Dr.H.Moideen Batcha
3	Mr.Ajith Kumar.K 113016631002	605	A Study on Leadership Styles Adopted in V-Trans	Ms.T.Sirisha
4	Mr.Dheenakumar.S 113016631007	597	A Study on the Effectiveness of Onboard Induction at Netaxis IT Solution Pvt.Ltd	Dr.Evangeline.E.T
5	Ms.Y.Sindhuja 113016631050	596	A Study on Succession Planning and its impact on Organizational Performance at KCP Ltd.	Dr.H.Moideen Batcha
6	Ms.S.Vishali 113016631058	595	A Study on Work Place Ergonomics at Tube Products of India	Ms.T.Sirisha

Faculty Participation in Seminars/Conferences hosted by VTHT

S. No	Name and Designation	HTS No	Conference/Seminar Title and Date	Paper Tile
1	Dr.H.Moideen Batcha Professor	1074	AAVISHKAAR'2018 2.04.2018	Digital India And Its Impact on Indian Economy
2	Dr.Evangeline.E.T AP	523	AAVISHKAAR'2018 2.04.2018	Employee Engagement
3	Dr.S.Saravana Mahesan Asso.Prof	1201	AAVISHKAAR'2018 2.04.2018	Innovation and Creativity in Entrepreneurship
4	Mrs.T.Sirisha AP	1214	AAVISHKAAR'2018 2.04.2018	Impact of Demonstration in Banking Sector

Faculty Publications

S. No	Name and Designation	HTS No	Article Title	Journal Name, Period of Publication and Indexing
1	Dr.H.Moideen Batcha Professor	HTS 1074	Linking Organization Culture (OC), Motivation and Employee Engagement (EE) in the Indian IT Sector – A Conceptual breakthrough	"International Journal of Pure and Applied Mathematics" April 2018 Scopus
2	Dr.Evangeline. E T Assistant Professor	HTS 523		

Department of Master of Computer Applications

Master of Computer Applications (MCA) is a three-year for regular students now it is just two-year for (lateral entry) to complete the professional Master's Degree in computer applications awarded in Anna University Chennai. The post graduate program is designed to meet the growing demand for qualified professionals in the field of Information Technology. The MCA program is inclined more toward Application Development and thus has more emphasis on latest programming language and tools to develop better and faster applications. MCA is a course exclusively designed to meet the requirements for IT trained students for various organizations. This course significantly emphasizes planning, designing and building of complex commercial application software and system software. The course also places equal importance on functional knowledge in various areas. The MCA course is not just a postgraduate course; it is also a complete professional grooming for students for a successful career in the IT Industry.

◎ Students Projects

S.No	Name and Regno	ID No	Project Title	Internal Guide Name
1	Allwyn antony 113015621303	531	Cook Buddy	Mr. Sakthivel M
2	Karthick S 113015621322	544	Controlling corruption in nutrious meal system	Mr.Dhayalan D
3	Premkumar S 113015621333	538	Medicine Box: Doctor's typface recognition using Deep learning	Dr.E.Kamalanaban
4	Saroliya D 113015621339	516	Facilitating effective E-agri search Engine	Mr.Karthikeyan.R
5	Swedha M 113015621346	523	Vulnerability scanner in google play store	Mr.Dhanu

◎ Student Participation/Paper Presentations in Conferences and Seminars

S.No	Name and VH No / Sem	Conference/Seminar Title, Hosted by and Date	Paper Title
1	Uddagiri Chandra Sekhar 492 / VI	"International Conference on Recent Trends in Computational Engineering and Technologies-ICTRCET-2018" Raja Rajeswari College of Engineering 17.05.18-18.05.18	Structural Balance Theory based on e-Commerce recommendation for farmer artifact over big data
2	Bandaru Veerabhadra Rao 491 / VI	"International Conference on Photonics and High Speed Optical Networks- ICPHON-2018" S.A.Engineering College 12.04.18-13.04.2018	Identifying And Detecting Spoiled And Damaged Rice In Modern Rice Mill
3	Adarsh Kumar Singh 534 / VI		Online Crime Reporting System
4	Ajisha T 507 / VI		Advanced Docket Tracking Automated System
5	Allwyn Antony 531 / VI		Cook Buddy- A Food Classification using Convolutional Neural Network based on Transfer Learning
6	Divya R 524 / VI		Mobile Application for Orphanage Using Cloud Computing
7	Logeshwari U 513 / VI		Blog Light
8	Jyothi K S 506 / VI		Utilization of Old Books for Students through Web Application

S.No	Name and VH No / Sem	Conference/Seminar Title, Hosted by and Date	Paper Title
9	Priya J 525 / VI	"International Conference on Photonics and High Speed Optical Networks- ICPHON-2018" S.A.Engineering College 12.04.18-13.04.2018	Retrieval of desired images from database using CBIR system
10	S.Sai Lakshmi 509 / VI		Data Leakage Fraud Detection Engine
19	Kavitha M 521 / VI	"International Conference on Recent Trends in Science and Technology" G.K.M College of Engineering and Technology-TECHOWN 20.04.2018	Discovering Emerging Topics in Social Streams via Link-Anomaly Detection
20	Bharathi.p 532 / VI		Packet Loss Estimation Using Fine Grained Analysis in MANETs
21	Saranya M 518 / VI		E-Intelligent Hospice Automated System
22	Suganya T 533 / VI		Face Spoofing Detection using Color Texture
23	Sivaprakash G 528 / VI		IF-MATCHING Alert System for Indian Fisherman Using Android Application

◎ **Students Corner**

Student Publications

S. No	Name and VH No / Semester	Article Title	Journal Name, Period of Publication and Indexing
1	Dhinesh J 541 / VI	Satellite based Image Processing using Data mining	IJESC June 2018, Google Scholar
2	Elanthendral E 519 / VI	Visual Allocation of Image Stamper Synthesizer Technique	IJESC June 2018, Google Scholar
3	Gurusamy T 545 / VI	Intelligent Trip Modeling for the Prediction	IJESC June 2018, Google Scholar
4	Karthick K 543 / VI	.Intelligent Keyword Storage in Cloud Document System	IJESC June 2018, Google Scholar
5	Krishnaveni V 517 / VI	-An Improved Traffic Sign Detection Using Fuzzy Segmentation and ANN	IJESC June 2018, Google Scholar
6	Nivedha V 502 / VI	Additional Protection in Public Cloud using Random Key Genereation	IJESC June 2018, Google Scholar
7	Saroliya D 516 / VI	Facilitating Effective E-Agri Search Engine	IJESC June 2018, Google Scholar
8	Tamilselvan P 520 / VI	Detecting Malicious Account in Online Social Network using Proprietary Proguard Technology	IJESC June 2018, Google Scholar
9	Bharathi P 532 / VI	Packet Loss Estimation Using Fine Grained Analysis in MANETs	IJIRMET May 2018, DRJI
10	Kavitha M 521 / VI	Discovering Emerging Topics in Social Streams via Link-Anomaly Detection	IJIRMET May 2018, DRJI
11	Saranya M 518 / VI	E-Intelligent Hospice Automated System	IJIRMET May 2018, DRJI
12	Sivaprakash G 528 / VI	IF-MATCHING Alert System for Indian Fisherman Using Android Application	IJIRMET May 2018, DRJI
13	Suganya T 533 / VI	Face Spoofing Detection using Color Texture	IJIRMET May 2018, DRJI

S. No	Name and VH No / Semester	Article Title	Journal Name, Period of Publication and Indexing
14	Bhargavi M. B 526 / VI	Integrity Assurance with Minimum Location Disclosure on Mobile Device by Using Pmac	IJTSRD June 2018, Thomson Reuters
15	B.Gowripriya 527 / VI	Image Tagging With Social Assistance	IJTSRD June 2018, Thomson Reuters
16	S. Karpaga Meenakshi 501 / VI	A Survey on Online Corporate Job Recruiting Process Using Cloud Computing	IJTSRD June 2018 Thomson Reuters
17	T.Keerthana 497 / VI	Controlling Traffic Signals Through GPS for Ambulance	IJTSRD June 2018, Thomson Reuters
18	S.Mythili 510 / VI	A Novel Colour Image Embedded QR Code Generation Technique for Chip-Less RFID Labelling	IJTSRD June 2018, Thomson Reuters
19	Pradeepa Natrajan 505 / VI	Cost Based On Product Quality Prediction Using Data mining	IJTSRD June 2018, Thomson Reuters
20	Sharmili 512 / VI	An Efficient Method For Text And File Encryption For Secure Data Transmission Through Audio Steganography	IJTSRD June 2018, Thomson Reuters
21	Shobana 515 / VI	Vehicles Awake Routing Protocol with Analysis Determine Knowledge Perception for VANET	IJTSRD June 2018, Thomson Reuters
22	V.Karthi 496 / VI	Online Voting Using Biometric	IJTSRD June 2018, Thomson Reuters

◎ **Faculty Corner**

Faculty Publications

S. No	Name and Designation	HTS No	Article Title	Journal Name, Period of Publication and Indexing
1	D.Dhayalan Assistant Professor	1086	Image Tagging With Social Assistance	IJTSRD June 2018, Thomson Reuters
2	D.Dhayalan Assistant Professor	1086	Wireless Body Area Networks in Health Monitoring System	IJLEMR April 2018, Google Scholar
3	D.Dhayalan Assistant Professor	1086	Frequency based semantic relative analytic Hierarchy tree indexing for textual web Content mining	IJSRR May 2018, Google Scholar
4	R.Latha Assistant Professor	1088	Discovering Emerging Topics in Social Streams via Link-Anomaly Detection	IJIRMET May 2018, DRJI
5	R.Latha Assistant Professor	1088	A Novel Colour Image Embedded QR Code Generation Technique for Chip-Less RFID Labelling	IJTSRD June 2018, Thomson Reuters
6	R.Latha Assistant Professor	1088	IF-MATCHING Alert System for Indian Fisherman Using Android Application	IJIRMET May 2018, DRJI

S. No	Name and Designation	HTS No	Article Title	Journal Name, Period of Publication and Indexing
7	S.K.Manigandan Assistant Professor	513	A Survey on Online Corporate Job Recruiting Process Using Cloud Computing	IJTSRD June 2018, Thomson Reuters
8	M.Sakthivel Assistant Professor	546	An Improved Traffic Sign Detection Using Fuzzy Segmentation and ANN	IJESC June 2018, Google Scholar
9	J.Senthil Murugan Assistant Professor	991	Visual Allocation of Image Stamper Synthesizer Technique	IJESC June 2018, Google Scholar
10	J.Senthil Murugan Assistant Professor	991	An Improved Traffic Sign Detection Using Fuzzy Segmentation and ANN	IJESC June 2018, Google Scholar

Faculty Participation/Paper Presentations in Conferences and Seminars

S. No	Name and Designation	HTS No	Conference/Seminar Title, Hosted by and Date	Paper Tile
1	R.Latha Assistant Professor	1088	"International Conference on Recent Trends in Science and Technology"	Discovering Emerging Topics in Social Streams via Link-Anomaly Detection
2	R.Latha Assistant Professor	1088	G.K.M College of Engineering and Technology-TECHOWN 20.04.2018	IF-MATCHING Alert System for Indian Fisherman Using Android Application

Faculty Participations in FDPs and Workshops

S.No	Designation and Name	HTS No	FDP/Workshop, Date and Venue	Hosted by
1	Mr.M.Sakthivel Assistant Professor	546	FDP 19.06.2018 to 23.06.2018 CSE Bay-1 LAB	VelTech HighTech Dr.Rangarajan Dr.Sakunthala Engineering College
2	Mr.S.K.Manigandan Assistant Professor	513	FDP 19.06.2018 to 23.06.2018 CSE Bay-1 LAB	VelTech HighTech Dr.Rangarajan Dr.Sakunthala Engineering College
3	Mr.D.Dhayalan Assistant Professor	1086	FDP 19.06.2018 to 23.06.2018 CSE Bay-1 LAB	VelTech HighTech Dr.Rangarajan Dr.Sakunthala Engineering College
4	Mrs.R.Latha Assistant Professor	1088	FDP 19.06.2018 to 23.06.2018 CSE Bay-1 LAB	VelTech HighTech Dr.Rangarajan Dr.Sakunthala Engineering College
5	Mrs.P.Rekha Assistant Professor	1386	FDP 19.06.2018 to 23.06.2018 CSE Bay-1 LAB	VelTech HighTech Dr.Rangarajan Dr.Sakunthala Engineering College
6	Mr. J.Senthil Murugan Assistant Professor	991	FDP 19.06.2018 to 23.06.2018 CSE Bay-1 LAB	VelTech HighTech Dr.Rangarajan Dr.Sakunthala Engineering College
7	Mr.M.Sakthivel Assistant Professor	546	FDP 02.04.18 to 13.04.2018 Bangalore	WIPRO