



# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Kalltheerthal Kuppam, Madagadipet, Puducherry - 605107



## DEPARTMENT OF INFORMATION TECHNOLOGY

### NEWS LETTER

2017 - 2018

### EVEN SEMESTER

Bi - Annual Issue - Volume 04 - Dec 2017 - May 2018

#### ABOUT THE INSTITUTION

Manakula Vinayagar Institute of Technology (MIT) was established in 2008, with a view to provide quality technical education to young aspirants. The institution is approved by AICTE, New Delhi & affiliated to the Pondicherry Central University.

#### ABOUT THE DEPARTMENT

The Department of Information Technology was established in the year 2008 with the objective of imparting knowledge in cutting - edge technologies in Information Technology. The Department has a team of dynamic, young and dedicated staff, with specialization in wide array of areas. The Department has well equipped laboratories with 20 Computer Systems with facilities that are vital to train the students in state-of-art software and hardware. The Department always strives to reach the latest technology and advancement in this field to the young learners as well as aspirants by inviting the corporate legends and experienced academicians to enlighten the IT community of our institution.

#### VISION OF THE DEPARTMENT

To transform the individuals into globally proficient Information Technologists, to meet the challenges of the evolving society.

#### MISSION OF THE DEPARTMENT

- M1: **Higher Order Thinking:** To provide quality education in both theoretical and practical aspects in the field of Information Technology.
- M2: **Competency:** To equip the students to cater the industrial demands through providing advance training.
- M3: **Continuous Learning:** To encourage and guide the students to participate in research oriented activities and pursue higher education.
- M4: **Entrepreneurship:** To inculcate the spirit of entrepreneurship among students to serve the nation.



Shri. N. Kesevan  
Founder Chairman



Shri. M. Dhanasekaran  
Chairman & Managing Director



Shri. S. V. Sugumaran, MLA  
Vice Chairman



Dr. K. Narayanasamy  
Secretary

★ Educate

★ Empower

★ Excel



# MANAKULA VINAYAGAR

## INSTITUTE OF TECHNOLOGY

Kalitheerthal kuppam, Puducherry – 605 107

### VISION OF THE INSTITUTION

To accomplish excellence in the field of technical education and scientific research on regional, national and international levels through committing to total quality for its faculty, providing excellent infrastructure, research facilities and conducive atmosphere that would motivate the students in the pursuit of knowledge in Engineering and Technology.

### MISSION OF THE INSTITUTION

- ◆ To provide in depth knowledge in fundamentals to students to improve their learning and analytical skills.
- ◆ To provide our students with the most progressive, relevant and well rounded academic programs, supporting their learning through advanced and extensive resources.
- ◆ To promote interaction with industries and other institutes of higher learning to equip our students to face the challenges on real time problems.
- ◆ To develop the overall personality of the students to mould them into a good citizen with integrity and morality.



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## DEPARTMENT OF INFORMATION TECHNOLOGY

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### Program Educational Objectives (PEOs)

- PEO1: Employability:** Graduates apply the knowledge of computations, engineering and technology to pursue a good career in the Information Technology.
- PEO2: Higher Education:** Graduates will participate in life - long learning through the successful completion of advanced degrees, continuing education and other professional developments.
- PEO3: Entrepreneurship:** Graduates will have the ability to exhibit their leadership quality and enable them to become an entrepreneur.
- PEO4: Ethics:** Graduates cultivate professional and ethical attitudes with effective communication skills, team work and multi - disciplinary approach related to engineering issues.



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## DEPARTMENT OF INFORMATION TECHNOLOGY

### Program Outcomes (POs)

- 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 modelling 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 Specific Outcomes (PSOs)

- PSO1: Products Development:** Ability to apply mathematical methodologies to solve computation task, Model real world problem using appropriate data structure and suitable algorithm.
- PSO2: Design Thinking:** Ability to use knowledge in various domains to identify research gaps and solve complex problems, using latest hardware and software tools, along with analytical skills to arrive cost effective and appropriate solutions.



# MANAKULA VINAYAGAR

## INSTITUTE OF TECHNOLOGY

Kalitheerthal kuppam, Puducherry – 605 107

### DEPARTMENT OF INFORMATION TECHNOLOGY

## News Letter 2017 -2018 – EVEN SEM

#### INTRODUCTION

It is an immense pleasure and proud that we are releasing the Eleventh Issue of our College Newsletter. This Newsletter serves as a better forum and platform for showcasing the talents and achievements of both faculty and students. It carries the recent activities, news and important updates of the college. We assure you that this newsletter will be new of its kind which reveals the growth of the institution in various fields.

#### ABOUT THE INSTITUTION

Manakula Vinayagar Institute of Technology (MVIT) was established in 2008, with a view to provide quality technical education to young aspirants. The Institution is affiliated to Pondicherry Central University and is approved by AICTE, New Delhi.

Our College is professionally managed and guided by the members of the Board of Management with vast experience, knowledge and academic excellence, with a vision to achieve the most preferred position globally.

The high performance of our Institution is witnessed by the results produced by our students in the University exams. Our Institution has acquired enviable status for maintaining highest order of discipline.

MVIT is revitalizing itself, to face the challenging expertise with reputed team of faculty. We facilitate to produce efficient Professionals who can meet the demands of the expectations and shine in their profession through innovative ideas, knowledge and team work.

#### CHAIRMAN'S MESSAGE



I am extremely happy in releasing Eleventh Issue of half-yearly Newsletter of MVIT, highlighting the activities of the college between December 2017 and April 2018. The laudable exercise of the students and staff of this Institution has already brought gorgeous brand name in the UT of Puducherry. I congratulate the staff and students for this achievement. I wish that everyone continue their untiring efforts not only to retain this award but to grow to further high standards. I congratulate all the editorial members for releasing this Newsletter.

#### VICE CHAIRMAN'S MESSAGE



I am delighted to know that the Eleventh Issue of Newsletter of our College carrying the campus news and the achievements of our staff and students, who earn credits for the institution, is being released. On this gracious occasion, I wish all the best to those who are responsible for bringing out this letter. On reading this text, it would definitely be an inspiration and motivation for other students and staff to perform better and add on their contributions in the forthcoming issues. Congratulations to all the contributors.

#### SECRETARY'S MESSAGE



It gives me an immense pleasure to present few words as prologue to Eleventh Issue of MVIT News Letter. I congratulate all the faculty and students and the editorial board for bringing out such a beautiful Issue. Empowerment of students for their all round development through education is our appreciated motto.

Today Higher Education means much more than merely acquiring knowledge. It is acquisition of knowledge and skills, building character and improving employability of our young talent, the future leadership.

I am proud of being the Secretary of SMVE Trust dedicated to the causes of better India. Come on let's give our best and make the institution as a modern temple of learning through our diligence, devotion and dedication. Wishing you all the best...!

*Educate*

*Empower*

*Excel*

## PRINCIPAL'S MESSAGE



MVIT has been setup to create an attraction in imparting higher education in Puducherry. The Institute is enthusiastic for discovery, development, conservation, propagation and application of knowledge in the wide range of fields with a goal to expand the scale and scope of human understanding and contribute to the betterment of the world. Imparting quality education and developing indepth domain knowledge through competent, highly qualified faculty churned from various sources along with state of art infrastructure to make its wards competent, technically strong in any scenario, dynamic and multi-talented young professionals matching the contemporary demands of the industry and thereby making them useful in the development of the country. In this context, I congratulate all the Editorial Members who are involved in bringing out the Eleventh Issue of this Newsletter successfully. "Vision without action is a Dream. Action without Vision is simply passing the time. Action with Vision is making a positive difference."

I am much pleased in releasing this issue of Biannual News Letter. Keeping in mind, augmentation of practical knowledge and better employability of the students, the institution shows keen interest in organizing various development programmes for faculty and students. I wish, every student passing out from our college has rich blend of knowledge and skill and occupies better position in the society.

I am fully confident that the college will march ahead and add more achievements to its name. I would like to send my best wishes to the entire stakeholders for showing commendable performance and give good account of themselves in worthwhile endeavors.

## FOUNDER'S 65<sup>th</sup> BIRTH ANNIVERSARY CELEBRATION



Our Management, Principal, Faculty and Students Celebrated our Founder Chairman Thaivathiru. N. Kesavan's 65<sup>th</sup> Birth Anniversary on 21<sup>st</sup> January, 2018. The Programmes such as Blood Donation Camp, Eye Checkup Camp, Quiz Competition, Poster Presentation, Essay Writing,

Elocution Competition, E- Literacy Programme were organized by the Faculty to the nearby school students. Besides this, the distribution of Foods at the Senior Citizen Homage in Pondicherry, Sapling of Tree Plantation were also organized.



The Eye Donation Camp during 65<sup>th</sup> Birth Anniversary Celebration of our Founder Chairman Shri.N.Kesavan at MVIT on 21<sup>st</sup> January, 2018.

## DEPARTMENT OF GENERAL ENGINEERING

### Programmes Organized

Celebration of National Science Day - SCIMIT'18  
SCIMIT'18 - National Science Day Celebration - A Mega Project Contest was celebrated by the Department on 28<sup>th</sup> February 2018. The Day is celebrated every year to discover the hidden talents of students. On this occasion, more than 176 projects were displayed from various Engineering Colleges from all over India. Shri. A. Pari, Director, CRP(India) Pvt. Ltd., Chennai, was the Chief Guest and Shri. S. Vinayaka Babu, CEO, 4 Semi Technology India Pvt. Ltd., Bangalore, was the Guest of Honor. The best projects were awarded with the total cash prize of Rs. 72,500.



Shri. A. Pari, Director, CRP(India) Pvt. Ltd., Chennai, the Chief Guest delivered a Keynote Speech to the gathering during SCIMIT'18

### Staff Activities

Mrs. Asha Selva Jeni, Asst. Prof., English and Mr. Raguraman, Asst. Prof., Civil attended a Two Days "Faculty Development Programme", conducted by ICT academy at Christ College of Engineering, Pondicherry from 8<sup>th</sup> to 9<sup>th</sup> February 2018

### Department Activities

A Workshop on " Design and Thinking" was arranged by the Department for the First Year students from 27<sup>th</sup> to 30<sup>th</sup> January 2018

### **About the Department**

The Department of Information Technology was established in the year 2008 with the objective of imparting knowledge in cutting-edge technologies in Information Technology. The department has a team of dynamic, young and dedicated staff, with specialization in wide array of areas. The Department has well equipped laboratories with facilities that are vital to train the students in Industry Standards

## **CONTENTS**

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## **Events at the Department**

### **STATE LEVEL PC ASSEMBLING CONTEST 2018**

The PC Assembling Competition was hosted by Department of Information on 20<sup>th</sup> January 2018 under the head of **Dr.P.Sivakumar, Head Of The Department**. CSI Sponsored one day Workshop on “PC Assembling & Trouble Shooting”, by **Mr. N. Mohandas Gandhi, Team Co-ordinator TCIL-IT**, Software & Training Centre for III & II Year IT students on 12<sup>th</sup> August 2017.He handled the session about assembling the system (motherboard) and gave demonstration for the same. Information was given regarding the RAM and its types,SMPS ,API,components of motherboard.He also gave demonstration for assembling the optical cable(RJ45).There was a questioning session at the end of demonsrationon history and future application of Microprocessor, which was interactive and informative to the students and the contest was conducted is very useful for the students to display skills in PC assembly with great precision and speed. All the computer parts must be replaced back on the computer and to the right positions. Participants will identify the different computer components and arrange them to a working Computer, they will demonstrate their ability to follow instructions to put together a PC using the right components and tools until it has started to successful boot to a Microsoft operating system designated.This event had numerous participants from many different colleges and different branches. The event had 60 teams out of which 30 teams are moved to the second round and finally 3 teams are honored by the prize. The Third year student **Logavignesh .K, Shiva Shankar.P of Information Technology Department has won Third Prize with cash amount Rs. 2000.**





## **NATIONAL LEVEL TECHNICAL LEVEL SYMPOSIUM**

### **MITLENCE '18**

**MITLENCE-2018** is a National Level Technical Festival held at ManakulaVinayagar Institute of Technology during the year February 2018. Our department conduct more technical competition like Code your JAVA, Web Development, Tech Quiz, ConneXion.

#### **Code your JAVA**

This Event takes you to the next level of programming skills and Gain unique Experience in problem solving out of creative thinking in Java Programming. The event is coordinated by the staff **Mr.VijiyaKumar, Assistant Professor, Information Technology** and the student coordinators are **1. Indira Priyadharshini- IV year 2. BhuvanaLakshmi - IV year 3. Bakkiyalakshmi- IV year 4. Deepika.K-III year**. The contest was very useful for the students to display skills in java coding. The event had 130 participants out of which 15 participants are moved to the second round and finally 3 participants are honored by the prize.



## **Web Development**

This event improves the creativity and designing capability of the students who are participating and thus showcasing their excellence in the web development. The event is coordinated by the staff **Mr. P. Mathivanan, Assistant Professor** and **Mr. M. Suresh Assistant Professor, Department of Information Technology** and the student coordinators are **1. Arun- IV year 2. Jayakumar- IV year 3. Swathi- IV year 4. Deepika. R- III year** The contest was very useful for the students to display skills in web development. The event had 50 participants out of which 15 participants are moved to the second round and finally 2 participants are honored by the prize.



## **Tech Quiz**

The technical quiz designed in the way to enhance the programming skills. The set of tricky puzzle questions makes the participants think creatively and out of box. The event is coordinated by the staff **Mr. S. Uthayashangar, Assistant Professor** and **Miss. A. Punitha Assistant Professor, Department of Information Technology** and the student coordinators are **1.Premrajan - IV year 2.Sarathkumar- IV year 3.Sowmiya.R - IV year 4. Sowmiya. S - III year**.The event had 23 team out of which 15 teams are moved to the second round and finally 2 teams are honored by the prize.



## **ConneXion**

This event is designed to enhance the participant's Creative thinking. Connexion gives the clues to participants to find the word from the given piece of Images. . The event is coordinated by the staff Mr. K. Premkumar, Assistant Professor and Mrs. J. Prabhavadhi, Assistant Professor, Department of Information Technology and the student coordinators are 1.Sankavi- IV year 2.Durgadevi - IV year 3.Kirubakaran - IV year 4. Rajeswari - III year. The contest was very useful for the students to display their creative thinking. The event had 20 team out of which 5 team are moved to the second round and finally 2 team are honored by the prize.



## **CLOUD COMPUTING CONTEST- 2018**

The Cloud Computing Competition was hosted by **Department of Information on 27<sup>th</sup> march 2018 under the head of Dr. P. Sivakumar, Head of the Department.** A fantastic idea is the heartwood of any content campaign or project. Excitement around an idea is what sustains you through the (sometimes) long slog of creation, and it's part of what gets your audience to share, share, share. This contest was very useful for the students to display new ideas in cloud computing with great precision and speed. A new general purpose technology such as cloud computing can provide huge cost savings and more efficiency in large areas of the private sector (especially in fields such as services and selected manufacturing sectors where ICT costs are relevant), and also of the public sector, including hospitals and healthcare, education and the activity of government agencies with periodic spikes in usage. Cloud computing is a big shift from the traditional way businesses think about IT resources. Most cloud computing services fall into three

broad categories: infrastructure as a service (IaaS), platform as a service (PaaS) and software as a service (SaaS). The cloud can offer the best security safeguards in access controls, data level security, etc. Two-factor authentication, data transmission security using SSL/TLS, encrypted storage of data, etc., can become de facto standards. The cloud may have the potential to isolate and prevent any malicious activity originating from external sources and malware infections within a single virtual environment. This event had numerous participants from **Manakula Vinayagar group of institutions** and from different branches. The event had 40 teams out of which finally 3 teams are honored by the prize. The final year student's two batches from department of information technology received consolation prize from the honorable chief guest **Mr. K. Baskar** senior system architect. **Ridsis Private limited, Pondicherry.**



## **5. Student Achievements**

### **Student Corner**

- In-plant Training
- Alumni meet

### **Co-Curricular Activities**

- SCIMIT'18
- Learnathon 18
- Smart India Hackathon 2018
- Online Certification

### **Extra Curricular Activities**

- The Project Contest
- National Level Symposium- BancQuest 18
- Technical Events by Technical Club
- Intercollegiate Tournament
- Inter College Tournament

## Student Corner

### In-plant Training

A Set of Third year Students was divided into two Batches, where Batch -1 comprises of Students and batch 2 comprises of students. The training was held between **date Batch-I(27.12.2017 28.12.2017) Batch-2 (8.12.2017 to 11.12.2017)**for **Timing 10 am to 1pm**. They undergone In plant training on the platform of Android. The session is handled by **Mr. Tony Rajesh - team lead**. The trainer handled the session through some interactive course materials (ppt) effectively. The course is completely Hands on based training. The students are made to work in Android platform with the help of Android SDK IDE.The centre provided Desktop Systems with high level Configuration for working with Android .It is helpful for students for working on their Mini projects and real time Industry level projects. Some students had queries on their own Projects ,it was been cleared by Assignments were given to the batch of students by the Mentor on the Android core where students worked effectively and learnt some basics of Android.







### **Alumni meet**

On 20<sup>th</sup> August 2017, Our alumni, **Mr.Vadivelan** interacted with our Final year budding engineers about the various points of view on their career, preparation for placements, leadership skills, and the expectation of the corporate from the fresher. Our students also interacted with him actively and cleared their doubts and got their extended ideas about their career. And also they interacted about the importance of their academic projects and how they must prepare for it, to turn their ideas into working model.

On 20<sup>th</sup> August 2017, our alumni, **Ms.Dhivyabharathi** interacted with our final year students and discussed about doing academic projects in an effective manner and steps for career developments and also spoke about higher studies in abroad countries





### Co-Curricular Activity

- Our Department IV year students **Sarathkumar.A, Sethuraman.M** got 2<sup>nd</sup> prize with cash amount of Rs.3000 in the “Big data Project contest ” on the topic of “Clustering of Electricity consumption behavior with High order Possibilistic C-means Algorithm using the map reduce framework” which is held in Sri ManakulaVinayagar Engineering college
- Our Department III year students, **T.Sakthivel, R.Prasanna and K. LogaVignesh.** got the 1<sup>st</sup> prize with cash amount Rs.7500 in SCIMIT’18 on the topic “Emergency Traffic Lighting System Using RFID” organized by our Department on 28<sup>th</sup> February 2018.
- Our Department III year students, **V. Aswinraaju, G. Anbarasan and G. Selvam** have participated in SCIMIT’18 on the topic “Home Automation” organized by our Department on 28<sup>th</sup> February 2018.
- Our Department 4 students of IV year, 5 students of III year and 6 students of II year have participated in event of “Learnathon 18 “ on the ICT Academy organized by ManakulaVinayagar Institute of Technology on 02<sup>nd</sup> February 2018.
- Our Department IV year student, **Jayakumar.S** got 2<sup>nd</sup> prize in “**Learnathon 18** “ on the ICT Academy organized by ManakulaVinayagar Institute of Technology on 02<sup>nd</sup> February 2018.
- Our Department IV year Student **Sarathkumar.A** got 2<sup>nd</sup> prize in Department Level with 53000 points in “Learnathon 18 “ on the ICT Academy organized by ManakulaVinayagar Institute of Technology on 02<sup>nd</sup> February 2018.
- Our Department 12 students of III year and 6 students of II year have selected for grand finale event of “Smart India Hackathon 2018 “ on the “Solutions required to establish a link between MOTA and local artisans“organized by All India council of Technical Education (AICTE), Delhi on 28<sup>th</sup> February 2018.

### **Extra Curricular Activities:**

- Our Department of III year students, K. Logavignesh and P. Shiva Shankar have participated and won the 3<sup>rd</sup> prize in event of “PC Assembling“ on the “The Project Contest” organized by Department of IT on 20<sup>th</sup> January 2018.
- Our Department of II year students, A. Augustin Raj and K. Manikandan have participated and won the 1st prize with Cash amount of Rs.1000 in event of “Connexions“ on the National Level Symposium- BancQuest 18 organized by Pondicherry University on 06<sup>th</sup> March 2018.
- Our Department 12 students of III year and 5 students of II year have participated in event of “Pro-Zone “ on the National Level Symposium- BancQuest 18 organized by Pondicherry University on 06<sup>th</sup> March 2018.
- Our Department 4 students of III year and 3 students of II year have participated in event of “Connexions“ on the National Level Symposium- BancQuest 18 organized by Pondicherry University on 06<sup>th</sup> March 2018.
- Our Department of II year students, Priyanga and preseila have participated and won the 1<sup>st</sup> prize in event of “Technical Events by Technical Club “ on the “Tech Quiz” organized by Department of IT on 12<sup>th</sup> March 2018.
- Our Department of II year students, S.Giridharan and Marie Augustine Raj have participated and won the 2<sup>nd</sup> prize in event of “Technical Events by Technical Club “ on the “Tech Quiz” organized by Department of IT on 12<sup>th</sup> March 2018.
- Our Department of II year students, Sofia Nadine and R.Priyasharshini have participated and won the 3<sup>rd</sup> prize in event of “Technical Events by Technical Club “ on the “Tech Quiz” organized by Department of IT on 12<sup>th</sup> March 2018.
- Our Department of III year students, Rajeswari, Preethiba, Nirmala, Lavanya, Ashok and PupallaSairam have participated and won the 1<sup>st</sup> prize in event of “Technical Events by Technical Club “ on the “Tech Quiz” organized by Department of IT on 12<sup>th</sup> March 2018.

- Our Department of III year students, Sivashangar, Nandakumar and T. Sakthivel have participated and won the 1st prize with Cash amount of Rs.1000 in event of “Technical Events by Technical Club “ on the “Project Expo” organized by Department of IT on 12<sup>th</sup> March 2018.
- Our Department of II year students, R.Geethalakshmi, RJayavardhani and AP.Janani have participated and won the 1st prize with Cash amount of Rs.1000 in event of “Technical Events by Technical Club “ on the “Project Expo” organized by Department of IT on 12<sup>th</sup> March 2018.
- Our Department of II year students, S.Giridharan and Marie Augustine Raj have participated and won the 1st prize with Cash amount of Rs.1000 in event of “Technical Events by Technical Club “ on the “Project Expo” organized by Department of IT on 12<sup>th</sup> March 2018.
- Our Department of II year student, M. Parthiban have participated in event of “Table Tennis “ on Intercollegiate Tournament organized by Sri Manakula Vinayagar Engineering College, Pondicherry on 08<sup>th</sup> March 2018 and 09<sup>th</sup> March 2018.
- Our Department of II year student, M. Parthiban have participated in event of “Table Tennis “ on Intercollegiate Tournament organized by Christ College of Engineering & Tech, Pondicherry on 14<sup>th</sup> March 2018 and 09<sup>th</sup> March 2018.
- Our Department of III year student, R. Jayasree, V. Preethiba and R. Karthika have participated in event of “Intercollegiate Tournament 2017-18- Chess Sports“ on Chess Sport organized by Sri Manakula Vinayagar Engineering College, Pondicherry on 27<sup>th</sup> February 2018 and 28<sup>th</sup> February 2018.

## THIRD YEARS

### SMART INDIA HACKATHON' 2018(ZONAL LEVEL COMPETITION)

A Team of 6 Students has been short-listed for the **SMART INDIA HACKATHON' 2018** held from **30/03/2018 to 31/03/2018** at **Girijanandha Chowdhury Institute of Management and Technology, Guwahati, Assam** under the **Ministry of Tribal Affairs**.

The team had won **4<sup>th</sup> prize** with a title **“Persistent Inspiration Award”** which was sponsored by **Persistent India Pvt. Ltd.** From the Honorable persons of **Ministry of Tribal Affairs**.



## FOURTH YEAR

### LEARNATHON 2K'18

Our Student From Final Year Participated In The **Learnathon 2k'18** Which Is Conducted by ICT Academy organized by ManakulaVinayagar Institute of Technology On 2nd And 3rd February 2018. Our department student **S.JAYAKUMAR**(147 batches) won **2nd prize** by 59750 points in **Pondicherry zonal level**.





## **6. INDUSTRY INTERACTION**

**INDUSTRIAL VISIT**

**THIRD YEAR**

**DATE:21.01.2018**

**PLACE:SRIHARIKOTA**





A group of students from both second and third year visited **Indian Space Research Organisation**(SatishDhawan Space Centre (SDSC) SHAR) which is located at Sriharikota ,Nellore District, Andhra Pradesh. We reached the Place around 9 a.m and we are taken into Audio visual room where the Small Introduction about Launch pads has been played. From there we travelled to the Launch pad area .The researchers explained the Complete process of Satellite Launch through Video. Then ,we went to PSLV Launch station, there two launch pads are present where it is named as 1<sup>st</sup> and 2<sup>nd</sup> pads. Second pad is the advanced one compared to first one. Later they explained about the recently launched satellite there at that time.

## **SECOND YEAR**

### **DELL COMPANY CHENNAI**

**DATE:16.02.2018**

A Set of 74 students visited **DELL COMPANY,SRIPERUMBUDUR, CHENNAI** AT 11.00AM. They had a lecture session for about 30 mins before they went inside the manufacturing area. They initially explained about the Manufacturing of the computers, desktops and CPU etc..They went to the productive area where the technicians explained about the peripherals and the components being used . Later they went to the testing area.



## **7. Workshops at the Department**

### **(i) Three day Internal workshop on “Perceptual Orientation for Employment & Career Success” by Seed Training Institute, Salem on 21<sup>st</sup> December 2017 to 23<sup>rd</sup> December 2017.**

Skill development programme on “Perceptual Orientation for Employment & Career Success” conducted by Mr. Mahesh Babu, Seed Training Institute, Salem for III year IT students on 21<sup>st</sup> December 2017 to 23<sup>rd</sup> December 2017. He handled the session in a very effective manner. Training refers to the learning activities done for the primary purpose of helping students of the organization to acquire and apply the knowledge, skills, abilities and attitudinal needs required by that organization to acquire and apply. The feedback that was received was much appreciated.

#### **OUTCOME**

The students came to know about the speaking training is the act of increasing the knowledge and skill of an student for doing a particular job

### **(ii) One day Internal workshop on “Internet Of Things and its Applications” by Ridsys Technologies Private Limited, Pondicherry on 06<sup>th</sup> January 2018.**

Internal workshop on “Internet Of Things and its Applications” handled by Mr. K. Baskar, Senior System Architect, Ridsys Technologies Private Limited, Pondicherry for II and III year IT Students on 06<sup>th</sup> January 2018. The Students eagerly participated in the workshop and learn. The sessions were highly interactive and simple to follow. This workshop mainly focuses on the students eager to learn IOT from Basic. In this workshop they will cover all basic IOT Concepts & IOT Applications. The students learn, IOT is one of the world's most emerging and fastest growing technology, and have many possibilities as well as opportunities. All the participants got benefited and gave a very positive feedback about the workshop.

#### **OUTCOME**

Students will come to know about the features and any technology available right now can be merged with IOT. It is also very useful to turn their ideas to working models in an effective manner by using IOT Technology.

**(iii) One day Internal workshop on “Search Engine Optimization Using Python” by National Institute of Technology, Pondicherry on 25<sup>th</sup> January 2018.**

A workshop on " Search Engine Optimization Using Python", was presided Chief Engineer by National Institute of Technology, Pondicherry on 25<sup>th</sup> January 2018 on 25<sup>th</sup> January 2018. The students learn Search Engine Optimization is a marketing discipline focused on growing visibility in organic (non-paid) search engine results. There are many aspects to Search Engine Optimization, from the words on your page to the way other sites link to you on the web.

Final year Students of IT Department attended the workshop and the sessions were highly interactive and simple to follow. All the attendees gave a very positive feedback on the workshop.

**Outcome**

Students will have an exposure of Search Engine Optimization is the process of optimizing a website so that it performs well in organic search.

**(iv) One day Internal workshop on “E-Governance” by Global Optics Solutions, Pondicherry on 23<sup>rd</sup> March 2018.**

Internal workshop on “E-Governance” handled by Mr. Gopiswaminathan, HR, Global Optics Solutions, Pondicherry to give an exposure on E-Governance for the II and III year IT Students on 23<sup>rd</sup> March 2018. The Students are learn the advantages of E-Governance they are Speed, Cost Reduction and Transparency etc. One of the best advantage is Speed, Speed Technology makes communication speedier. Internet, Phones, Cell Phones have reduced the time taken in normal communication.

**OUTCOME**

Students will come to know about the features and the workshop was highly interactive and participants were encouraged to share experiences as much as possible.



## GUEST LECTURE

**Mr. K. Baskar, Senior System Architect, Ridsys Tech. PVT. Ltd, Pond** has delivered the guest lecture on “Internet of Things” to Second and Third year IT Students

The Department of Information Technology, ManakulaVinayagar Institute of Technology organized a **Guest Lecture on 6th January 2018, Saturday at MVIT Auditorium. The guest speaker was Mr. K. Baskar, Senior System Architect, Ridsys Tech. PVT. Ltd, Pondicherry.**

The lecture started with Basics of Internet of things. He explained about Various Minicomputer used in IOT. Also explained about the Raspberry pie, Aurdino, Wifi, Bluetooth and how they are used in the project field. He also inculcated the knowledge for doing a simple project with the raspberry pie and also with the help of sensors like Motion sensor

- Temperature detection sensor
- IR sensor
- Camera
- Pulse sensor, etc.

He also narrated how the projects are running in various devices like LORA (Long Range Access), is a new technology which is used instead of Bluetooth because Bluetooth can connect only a particular distance (5-100Km) but LORA can be connected for a wide range (800Km). GPS is linked with 8 satellites to locate the latitude and longitude of our location. He concluded that all these devices and sensors can be used in our day to day life, which helps the human to monitor. The lecture was received with admiration by the Second Year and Third Year students and they also found the slides appropriate

**Outcome:** The students are got the awareness about how to update continuously using the key Competencies.

**Mr. Bascarane, Inspector of Police GRO to LG cum Web Officer, Puducherry Police** has delivered the guest lecture on “Cyber crimes” to Second,Third and Final year IT Students.

The Department of Information Technology, ManakulaVinayagar Institute of Technology organized a Guest Lecture on 7th February 2018, Wednesday at MVIT Auditorium.**The guest speaker was Mr. Bascarane, Inspector of Police GRO to LG cum Web Officer, Puducherry Police, Puducherry.**



The lecture started with Basics of Youngster Safety Awareness. He said that Cyber crimes can be defined as: "Offences that are committed against individuals or groups of individuals with a criminal motive to intentionally harm the reputation of the victim or cause physical or mental harm, or loss, to the victim directly or indirectly, using modern telecommunication networks such as Internet (networks including but not limited to Chat rooms, emails, notice boards and groups) and mobile phones (Bluetooth/SMS/MMS)". He explained about web-application about "MITRA" (Mobile Integrated Tracking and Rescue Application) is a step ahead on Women and Child safety and how the tools are using for woman safety, what are the tools are using in web development.

He also narrate what are all the types of crimes (Unauthorized Access and Hacking, Web Hijacking, Pornography, Child Pornography, Cyber Stalking, Denial of service Attack, Virus attacks, Software Piracy, Salami attacks, Phishing, Online gambling etc.) Currently used in society. Finally he gives a detailed explanation and examples for their own application.





The lecture was received with admiration by all the Second, Third and Final year students. The event ended with honorarium to the guests and vote of thanks.

**Outcome:** The students gained knowledge in the field of IT Security

**Mr. Hariharan, chief engineer, NIT, Pondicherry** has delivered the guest lecture on “Search Engine optimization” to Final year IT Students.

The Department of Information Technology, ManakulaVinayagar Institute of Technology organized a **Guest Lecture on 25th January 2018, Thursday at Final Year IT Class Room.** The guest speaker **Mr. Hariharan, chief engineer, NIT, Pondicherry.**



The lecture started with Basics of Search Engine optimization using python. He explained about web-application developed in Python scripting language and how the tools are using, what are the tools are we are using in web development. Also explained about the main aim of the project is to develop an excellent searching platform on internet. He also inform how reduces the effort to search the required information on web and the searching mechanism of proposed search engine is similar to the popular search engines Google, Bing, Ask.com, etc.

He also narrate what are all the backend tools (python, Ruby, PHP, .Net etc.) and the database tools are (MySQL, SQL Server and Oracle etc.) currently used in industries and also the frontend tools access, HTML 5, JavaScript etc. Then he say now a day's most of the company are using java combined with python for web development because java code will be used for security purpose and python code will be have less number of code. Finally he gives a example for the web development in their own website.

**Outcome:** Students has an idea about recent technologies in IT field, it helps them to have a clear idea about their project work on various domains.

**Sh V. GopiSwaminathan, Technical Director, NIC** has delivered the guest lecture on “E-governance” to Second and Third year IT Students.

The Department of Information Technology, ManakulaVinayagar Institute of Technology organized a Guest Lecture on 17th March 2018, Saturday at MVIT Audio visual room. **The guest speaker was Sh V. GopiSwaminathan, Technical Director, NIC, A Block, 4<sup>th</sup> floor, chief Secretariat, puducherry.**

The lecture about the e-governance was given by Sh V.GopiSwaminathan, Technical Director, NIC, A Block, 4<sup>th</sup> floor, chief Secretariat, puducherry. He gave the introduction about E-Governance and different forms of E-Governance. He explained about how e-governance expands and support for government services to do digitally and efficiently for their citizens. He explained how e-governance is to make India as a digital India which means providing high speed internet, sharing private space on a public cloud, take digital literacy to the next level and later it will be made that the humans need not carry any physical documents.





He Explained about Various E-Governance project currently used in the country and how it's very useful for people. He discussed about various challenges and security issues to implement the projects. He shared information about Digital locker; it provides a secure and personal electronic space to store documents. The storage space is linked with the number in the Aadhar card.

He also explained about how E-Governance transformed into M-Governance (Mobile governance). The M-Governance is the use of mobile, laptops with wireless internet connection which strengthens people with **"ANYTIME AND ANYWHERE"**.

This session was very useful to the students to understand about different E services provided by Government to citizen, Government to business, Government to Government.

## **Staff Workshop Attended**

- Mrs.S.Chitra has participated in 5 days short term program on “Embedded IoT & IoE” in Manakula vinayagar Institute of Technology from 11th Dec 2017 to 15th Dec 2017.
- Mrs.R.K.Santhia has participated in 5 days short term program on “Embedded IoT & IoE” in Manakula vinayagar Institute of Technology from 11th Dec 2017 to 15th Dec 2017.
- Mrs.S.Lakshmi has participated in 5 days short term program on “Embedded IoT & IoE” in Manakula vinayagar Institute of Technology from 11th Dec 2017 to 15th Dec 2017.
- Mrs.L.Sankari has participated in 5 days short term program on “Embedded IoT & IoE” in Manakula vinayagar Institute of Technology from 11th Dec 2017 to 15th Dec 2017.
- Ms.R.Dhamayanthi has participated in 3 days FDP on Professional development workshop –Teach Transform, Empower and Change in Manakula vinayagar Institute of Technology from 15th June 2017 to 17th June 2017.
- Mr.B.karthik has participated in 5 days short term program on “Embedded IoT & IoE” in Manakula vinayagar Institute of Technology from 11th Dec 2017 to 15th Dec 2017.
- Mr.S.Shanmugasundaram has participated in 3 days FDP on Professional development workshop –Teach Transform, Empower and Change in Manakula vinayagar Institute of Technology from 15th June 2017 to 17th June 2017.
- Mr.R.Srinivasan has participated in 5 days short term program on “Embedded IoT & IoE” in Manakula vinayagar Institute of Technology from 11th Dec 2017 to 15th Dec 2017.
- Mrs.D.Mohanapriya has participated in 3 days FDP on Professional development workshop –Teach Transform, Empower and Change in Manakula vinayagar Institute of Technology from 15th June 2017 to 17th June 2017.

## EDITORIAL BOARD

### Editors:

1. Mr.K.Premkumar, AP/IT
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# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Kalitheerthal Kuppam, Pondicherry – 605107

DEPARTMENT OF INFORMATION TECHNOLOGY

## PLACED STUDENTS DETAILS (2014-2018)





SIVAPRIYA A.    BAKKIYALAKSHMI K.






BHAVAN V.    INDHIRA PRIYADARSINI M.    NIVEDHA J.





SARATHKUMAR A.    ARUN K.









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SOMIYA R.




JAYAKUMAR R.






PAVITHRA G.    PRIYANKA B.    SANDEEP N.






MITTRA R.    SANKAVI K.    PREM RAJAN R.




AJITHKUMAR A.



★ Educate

★ Empower

★ Excel

**PLACEMENT DETAILS 2013-2017 BATCH**

<b>Sl. No</b>	<b>DATE</b>	<b>COMPANY NAME</b>	<b>VENUE</b>	<b>No. of students placed</b>	<b>Salary</b>
2	24th & 25th Oct 2017	TCS	SMVEC	2	Rs.336000
3	2nd Nov 2017	INTEGRA	SMVEC	0	Rs.240000
4	10th Nov 2017	SUTHERLAND	MIT	2	Rs.216000
9	9th Jan 2018	DRH	ALPHA	1	Rs.96,000
12	2nd & 3rd Feb 2018	VEE TECHNOLOGY	RG CET	3	Rs.1,20,000
13	20th & 21st Jan 2018	VIRTUSA	CHENNAI	1	Rs.3,00,000
14	30th Jan 2018	IDBI	MIT	11	Rs.3,50,000
15	31st Jan 2018	SURE SOFT	MIT	1	Rs.1,80,000
16	5th Feb 2018	KOTAK MAHINDIRA	MIT	9	Rs.4,20,000
18	16th Feb 2018	JUST DIAL	SMVEC	2	Rs.3,29,000
20	14th Mar 2018	LSE	MIT	6	Rs.1,44,000
21	13th Mar 2018	SMVSS	MIT	1	Rs.1,20,000
<b>Total</b>				<b>40</b>	



## University Gold Medalist



GOMATHI .P  
1<sup>st</sup> Rank - 9.32 (2016 Batch)

## University Rank Holders



ESTHER.T  
3<sup>rd</sup> Rank - 9.29  
(2016 Batch)



MONICA.R  
10<sup>th</sup> Rank - 9.14  
(2016 Batch)



SARADHA.R  
7<sup>th</sup> Rank - 9.11  
(2015 Batch)



ANITHA.R  
9<sup>th</sup> Rank - 9.11  
(2015 Batch)



SRUTHI.T.C  
9<sup>th</sup> Rank - 9.1  
(2014 Batch)



RESHMA  
REWANKAR  
8<sup>th</sup> Rank - 8.97  
(2013 Batch)



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