



# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Kalitheerthal kuppam, Puducherry – 605 107

DEPARTMENT OF INFORMATION TECHNOLOGY

**NEWS LETTER**  
**2017 - 2018**  
**ODD SEMESTER**

Bi - Annual Issue  
Volume 03

June 2017 - Nov 2017



#### 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.

**MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY**  
DEPARTMENT OF INFORMATION TECHNOLOGY

**HEADSTART Puducherry** | **Startup Saturday**

**Ravi Ranjan**  
Head - Strategy, For Growth, Entrepreneurial, Startup Success

**Devi G. Siva**  
Assistant Professor, Information Technology

**Krishna Prathap**  
Assistant Professor, Information Technology

**Zero to ONE**  
All about Start-ups

10th Dec 2017  
Puducherry, India  
10:30 AM onwards

**HeadStart** | **MANAKULA VINAYAGAR**



★ 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.



# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Kalitheerthal Kuppam, Madagadipet, Puducherry - 605107

## DEPARTMENT OF INFORMATION TECHNOLOGY

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### MISSION OF THE DEPARTMENT

- M1 : Higher Order Thinking:** To provide quality education in both theoretical and practical aspects in the field 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.



# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Kallitheerthal Kuppam, Madagadipet, Puducherry - 605107

## 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 – ODD SEM

#### INTRODUCTION

It is an immense pleasure and proud that we are releasing the Tenth 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 the Tenth Issue of half-yearly Newsletter of MVIT, highlighting the activities of the college between June 2017 and November 2017. 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 Tenth 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 Tenth 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 Tenth 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 SIXTH REMEMBRANCE DAY



The Sixth Remembrance Day of our Founder Chairman Shri. N. Kesavan, was commemorated on 6<sup>th</sup> September, 2017. In this occasion, the events such as blood donation camp, Scholarship distribution to the eligible students and

E- Literacy Programme were organized by the Faculty to the nearby school students. Distribution of Foods to the Senior Citizen Homage in Pondicherry, Sapling of Tree Plantation were also organized.

## MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY NSS UNIT (PD - 02 - 047) BLOOD CAMP



The Blood Donation Camp was organized during the Remembrance Day of our Founder Chairman Shri.N.Kesavan at MVIT on 6<sup>th</sup> September, 2017.

## DEPARTMENT OF GENERAL ENGINEERING

### Programmes Organized



The Inauguration Function of B. Tech., First Year (10th Batch) was organized on 24<sup>th</sup> August 2017. The Chief Guest, Shri.A. Jayaprakash Gandhi motivated the First Year students with his inspirational speech.

### Staff Activities

The Faculty members of the Department, attended a Three Days Workshop on Development Workshop on "TEACH-Transfer, Empower and Change" conducted by Dr. Rajendra Joshi, Head and Research, SEED from 15<sup>th</sup> to 17<sup>th</sup> June 2017.

Ms. D. Shanthini, Asst. Prof., Maths, attended a Two Days CSIR sponsored National Seminar on "Cryptanalysis" conducted by IFET Engineering college, Villupuram on 23<sup>rd</sup> & 24<sup>th</sup> June 2017

Mr. K. Anandh, Asst. Prof., Physics, attended a Two Days National Conference on, "Recent Advance in Material Science and Nano -Technology" at AMET University, Chennai, on 26<sup>th</sup> and 27<sup>th</sup> June 2017.

Mrs. M. Sumithra, Asst. Prof., Physics, attended a Two Days Seminar on "Recent Trends in Hybrid Power Generation" conducted by MVIT, Puducherry on 30<sup>th</sup> June and 1<sup>st</sup> July 2017.

Educate

Empower

Excel

## 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

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# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Kalitheerthal kuppam, Mannadipet Commune, Puducherry - 605107.

DEPARTMENT OF INFORMATION TECHNOLOGY

Management, Principal, HOD & Staff Members of MIT Congratulates !!!



## Congratulations!



University Gold Medalist - 2016



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)



Ms. P. Gomathi, awarded with **University First Rank and Gold Medal** for scoring top mark in Department of Information Technology for the academic year 2012-2016

**MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY**  
Kaliheerthal kuppam, Mannadipet Commune, Puducherry - 605107.

**DEPARTMENT OF INFORMATION TECHNOLOGY**  
Management, Principal, HOD & Staff Members of MIT Congratulates !!!

**Congratulations!**

**University Gold Medalist - 2016**

**GOMATHI .P**  
B.Tech IT - 2012-2016 Batch

**PONDICHERRY UNIVERSITY**

**IT Gold Medalist**

## 25th Annual Convocation of Pondicherry University



**Ms. P.Gomathi, (2012-2016), Department of Information Technology** awarded with Gold medal for securing highest score of 9.37 CGPA in **Information Technology** under the Pondicherry University and She expressed her gratitude towards the College of **ManakulaVinayagar Institute of Technology**, for molding her into a most confident and dynamic individual and igniting the spark in her life to achieve success. She mentioned, “It fills my heart with immense pride and happiness, when I think that scoring 1<sup>st</sup>rank in the university”. She attended the 25th Annual Convocation of Pondicherry University as one of the 100 meritorious students and awarded by Dr. **KiranBedi, Lieutenant Governor, Pondicherry** and **Mr. [V. Narayanasamy](#), Chief Minister, Puducherry.**

Our Principal, HOD and faculty members conveying their heartiest congratulations to P. Gomathi,for her Achievement.

## WORKSHOPS ORGANIZED

**CSI sponsored one day Workshop on “PC Assembling & Trouble Shooting”, by Mr. N.Mohandass Gandhi, TCIL-IT, Software & Training Centre on 12<sup>th</sup> August 2017.**



CSI Sponsored one day Workshop on “PC Assembling & Trouble Shooting”, by Mr. N.Mohandass 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 demonstration on history and future application of Microprocessor, which was interactive and informative to the students.

**Outcome:** The session given an idea about how to Assemble & Trouble Shooting the PC.

**Internal workshop on “Applications using Arduino” by Mr.K.Premkumar and Mr.P.Mathivanan during 5th August 2017**



Internal workshop on “**Applications using Arduino**” handled by our renowned faculty Mr. K.Premkumar, and Mr.P.Mathivanan, those who volunteered to give an exposure on Arduino based applications for the second year IT Students on 5<sup>th</sup> August 2017. The Students are eagerly participated in the workshop and learn the how to work with Arduino Kit.

There were about 70 participants II year students of IT and the sessions were highly interactive and simple to follow. At the end of this workshop, the students have a hands on training on simple applications using arduino.

All the attendees gave a very positive feedback on the workshop.

**Outcome:** Students got hands on experience on Arduino kit and coding in Arduino IDE, it will be useful for their mini and major projects.

**Innovation and Entrepreneurship Development Program (IEDP) on Zero to One - Chief Guest Mr. Ravi Ranjan, Head, NASSCOM on 22nd July 2017.**



Innovation and Entrepreneurship Development Program (IEDP) for entrepreneur, to start up the future, themed as zero to one. The Chief Guest Mr. Ravi Ranjan, Head - NASSCOM inaugurate the function on 22nd July 2017. This function is organized by MVIT, Puducherry.

Our Third and Second year eagerly participated in this workshop. Moreover, Lecture was grounded in the belief that the capabilities of entrepreneurship will be the best entrepreneur in the world. Upon its completion, His Lecture centralized role of creativity and observation in identifying and developing entrepreneurial opportunities either as standalone businesses or social enterprises, or as part of a larger corporation. Students recognized the fundamental features of the entrepreneurial mindset, behaviors and skills.

**Outcome:** This workshop gave an experience of being an entrepreneur.

## FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

**Faculty Development Programme on “HadoopHortonworks” by Mr.Shanmugavel , ICTACT ,Puducherry from 7<sup>th</sup> to 11<sup>th</sup> August 2017**



The session started with a talk on comprehensive overview of the fundamentals of Big Data and need for Predictive Analytics. His presentation included many real-time examples with Hadoop technologies such as HBase, Hive. He also discussed about existing research issues and challenges in the field of Predictive analytics and concluded with the possibility of extending research to various other domains in real time scenario. The last day of the programme he organized the hands-on session on Hadoop, with that the workshop came to an end.

The sessions were highly informative, interactive and easy to follow. All the participants given a very positive feedback on the workshop.

**Outcome:** Faculty Understood the Big Data concepts with real time examples, helpful to upgrade their knowledge. Also helps to guide their project students to do their projects in effective manner.



## GUEST LECTURES ORGANIZED

**Guest Lecture on “How to Excel in Engineering”, by Mr.G.Arun, Saradha Gangadharan College, Velrampet, Puducherry on 7<sup>th</sup> August 2017**



Guest Lecture was organized on “How to Excel in Engineering”, given by Mr.G.Arun, SaradhaGangadharanCollege, Velrampet, Puducherry on 7<sup>th</sup> August 2017, for II year IT Students.

He addressed the graduates with seriousness of Education. In Connections with he gave an awareness about how to ready for tomorrow’s work. This Session Enabled the Students to have key competencies (skills and knowledge) and the range of broader capabilities necessary to know when & how to apply these skills to unique contexts and situations and how to continuously update them.

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

**Guest Lecture on “IT Infrastructure Management“by Mr.Venkatesh, Live Wire for Live Career, Puducherry for III & IV Year IT Students on 18<sup>th</sup> August 2017**

Guest Lecture on “IT Infrastructure Management“ by Mr.Venkatesh, Live Wire for Live Career, Puducherry for III & IV Year IT Students on 18<sup>th</sup> August 2017 for III year IT Students.



He gave a talk about Security parameters to be configured in these devices that can help circumvent the attack attempts. Alongside this Conceptual Overview, this workshop would also help the students understand how they can prevent the Corporate Network from being hacked.

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

**Guest Lecture on “A Step for Innovation” by Dr. U. Kumaran, VIT Vellore on 14<sup>th</sup> August 2017.**



The guest Lecture on **A Step for Innovation** has presented by Dr. U. Kumaran, AsstProfessor (SG), VIT University on 14<sup>th</sup> August 2017. He has motivated the students to involve themselves for the development of projects in various upcoming technology domains like IOT, Cloud Computing, Data Mining and Big Data. The need for R Programming and its essentiality has been revealed.

The paper writing skill and time management for publishing the paper has also been discussed. The authorship of the paper and funding on the project proposals with the application idea of the project has been kindled.

**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.

## VALUE ADDED COURSES CONDUCTED

**Value added Course on “Advanced Java” from 28th June to 3rd July 2017.**



Value Added Course Conducted on “Advanced Java “for IV year IT students handled by Mr.Anandha Krishnan, Trainee, Chakrika Software Solutions, Pondicherry from 28<sup>th</sup> June to 3<sup>rd</sup> July 2017.

This course was designed for B. Tech, II year IT students with an objective to make them aware with Core Java programming aspects and also introduce with Advanced concepts in Java programming. Overall this session made us to use the Java SDK environment to create, debug and run simple Java programs. It was a great experience for us to aware of the important topics and principles of software development and write better & more maintainable code.

**Outcome:** Students will complete the course prepared to build distributed Java applications and to pursue JFC, RMI, or JDBC in greater depth.

**One week Course on “English Language Communication Training” by Imran Khan, Trainer, English Training Institute, Chennai from 17<sup>th</sup> July to 21<sup>st</sup> July 2017.**



One week Course on “English Language Communication Training” by Imran Khan, Trainer, English Training Institute, Chennai from 17<sup>th</sup> July to 21<sup>st</sup> July 2017. This course conducted for III year IT students. With this Connection, Course developed the students’ knowledge of how language typically works in the culture as well as of how language works in particular texts. Course helped the students at high level, how English involves the systematic study of language to build increased understanding of the relationships among texts, language, and literacy as social practices, with the emphasis on how these relationships help to make meaning in particular cultural contexts and social situations.

**Outcome:**Students developed their ability to use language to talk about language and about its use in texts.

## SMART ASSOCIATION OF INFORMATION TECHNOLOGY (SAIT) EVENTS

**Independence Day Celebration Contest 2017 (ICC 17)  
in association with Smart Association of Information Technology (SAIT) on 10 Aug 2017.**



An account of 71<sup>st</sup> Independence Day celebration, Smart association of information technology (SAIT) Department of Information technology has conducted various events on 10th August 2017 for the students in order to bring their hidden talents apart from academics. There are two events conducted such as Drawing Competition and Recycling. 39 Students from various departments has actively participate in the Drawing Competition and Presented their thought provoking innovative ideas in the form of drawings towards “India Vision 2020”. 120 Students from various departments has actively participate in the Recycling Competition and Presented their thought provoking innovative ideas from the waste materials. The projects were evaluated based on creativity, technical excellence, and applicability and distributed the prizes for winners & Participants.

Congratulations to all the winners!

**Outcome:** Students able to fine tune their talents through these events

## SPECIAL LECTURES

**Special Lecture on Employability Skills on 24<sup>th</sup> August 2017,  
by Dr.P.Sivakumar Prof & Head / IT Dept.**



Special lecture on "Employability Skills" by Dr.P.Sivakumar Prof & Head / IT Dept was delivered for B.Tech II year IT students. His dynamic speech makes the audience to know there career in Information Technology sector and also in various government and private sectors.

**Special Lecture on “Cloud Computing” on 1<sup>st</sup> September, 2017  
by Mrs. J. Prabavathi AP/IT.**



Special lecture on "Cloud Computing" by Mrs. J. Prabavathi, Dept of Information Technology was delivered for B.Tech II year IT students. He addressed the model for enabling ubiquitous access to shared pools of configurable resources. Also discussed about Service models, Cloud clients and Deployment models.



**Special Lecture on “Internet Of Things- Challenges and Development Kits“on the 8<sup>th</sup> September, 2017 byMr. K. Premkumar, AP/IT.**



Special lecture on “Internet Of Things- Challenges and Development Kits” by Mr. K.Premkumar,Dept of Information Technology was delivered for B.Tech II year IT students. He addressed the session with various recent technologies used in real time scenarios,and the tools used for the development of kits in Internet Of Things(IOT) and its various challenges. The session was very interactive and informative.

**Special Lecture on “Web Analytics” on the 14<sup>th</sup> September, 2017  
by Mr. P. Mathivanan, AP/IT.**



Special lecture on "Web analytics" by Mr. P. Mathivanan Dept of Information Technology was delivered for B.Tech III year IT students. He addressed the analysis and reporting of web [data](#) for purposes of understanding and optimizing [web usage](#) and basic steps of the Web Analytics process, technologies and data sources.

**Special Lecture on “Introduction to R - Programming” on the 12<sup>th</sup> September, 2017 by Mr. Suresh, AP/IT.**



Special lecture on “**Introduction to R - Programming**” by Mr. Suresh Department of Information Technology was delivered for B Tech III year students of IT. He addressed the R in a single line then it will not be enough. As R is a programming language, data analysis software, it is an environment for statistical analysis and also an open source software project. So all this cannot be summed up in a line. He summed up R programming language and a software environment for graphics representations, statistical analysis, and reporting. Highlighted R is freely available under the GNU General Public License.

**Special Lecture on “Nomadic Computing” on the 15th September, 2017  
by Ms. A. Punitha**



A Special Lecture was organized on 15th September 2017. This Program was presided over by Ms. A. Punitha, delivered a technical talk on “Nomadic Computing”. Around 70 students of II year IT students attended this program. She delivered the basics concepts of Nomadic Computing. Discussed the usage of mobile computing technology and gave a detailed lecture on how mobile computing is connected to the global Internet or use specific data resources from a stored location while moving around from one place to another. Students are understood the advantages of Nomadic Computing. At the end of the session she discussed about various applications involved in Nomadic Computing.

## ONLINE COURSE/WORKSHOP CONDUCTED

### **FOSS- Online Certification:**

FOSS online Course conducted on “LINUX” for III year IT Students through Spoken Tutorial Project, IIT Bombay from 15<sup>th</sup> July to 19<sup>th</sup> August 2017 and students received the certificate in the month of September 2017.

FOSS online Course conducted on “Programming in C,C++” for II year IT Students through Spoken Tutorial Project, IIT Bombay from 1<sup>st</sup> July to 19<sup>th</sup> August 2017 and students received the certificate in the month of September 2017.

### **NPTEL- Online Certification:**

NPTEL online Course conducted on “Cryptography”, for IV year IT Students from 24<sup>th</sup> July to 18<sup>th</sup> August 2017

NPTEL Online Course conducted on “Programming in C++”, for II year IT Students from 22<sup>nd</sup> July to 30<sup>th</sup> August 2017.

NPTEL Online Course conducted on “Operating System”, for III year IT Students from 24<sup>th</sup> July to 15<sup>th</sup> September 2017.

NPTEL Online Course conducted on “DBMS”, for III year IT Students from 24<sup>th</sup> July to 15<sup>th</sup> September 2017.

## FACULTY SKILL UPDATION

### Technical session handled

Technical Session handled on "C" for II year IT students by our IT Faculty Mr.K.Premkumar, on 30<sup>th</sup> June 2017.

### Faculty Participation – Online Certification

#### EMC<sup>2</sup>- Online Course:-

Mr.Suresh has completed the online Certification on the topic "Data Science and Big data Analytics", conducted by EMC<sup>2</sup> Academic, Chennai on 9<sup>th</sup> June 2017.

#### FOSS- Online Course

Mr. S. Uthayashangar, Ms.A.Punitha, Mr.M.Suresh, Mr.K.Vijayakumar, Ms.Prabavathi, Mr.K.Premkumar have completed the online Certification, on "Python", conducted by Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India on 21<sup>st</sup> June 2017.

#### NPTEL-Online Course

Mr.K.Premkumar has completed the NPTEL Online Certification Course on "Introduction to Internet of Things", conducted by IIT, Kharagpur on 22<sup>nd</sup> October 2017.

### Faculty Participation – Workshop / Seminar /Guest Lecture Programme

Mr.M.Suresh have attended the 1 day FDP on Current Trends in IT at TCS, Chennai on 30<sup>th</sup> May 2017.

Ms.A.Punitha ,has attended the 2 day FDP on "Java and Web Technology" conducted at Loyola college of Engineering, Chennai from 2<sup>nd</sup> June to 3<sup>rd</sup> June 2017.

Mr.M.Suresh has attended the 5 days FDP on "Data Science and Big data Analytics", Conducted by ICACT Academy at Rajiv Gandhi College of Engineering & Technology, Puducherry, from 5<sup>th</sup> June to 9<sup>th</sup> June 2017.

Mr.K.Premkumar and Mrs.J.Prabavathi has attended 3 days FDP on Professional Development Workshop "TEACH – Transform, Empower and Change" by Dr.Rajendra Joshi, Research – SEED, MVIT, Puducherry from 3<sup>rd</sup> July to 5<sup>th</sup> July 2017.

Dr.P.Sivakumar has attended NPTEL Workshop at IIT, Madras on 15<sup>th</sup> July 2017.

Dr.P.Sivakumar, Mr.M.Suresh, Mr.K.Vijayakumar have attended the Faculty Development Programme on “HadoopHortonworks” by Mr.Shanmugavel , ICTACT Academy, at MIT from 7<sup>th</sup> August to 11<sup>th</sup> August 2017.

Mr. K.PremKumar has attended Faculty Development Programme on “Introduction to Internet Of Things”, organized by Dhirajlal Gandhi College of Technology, Salem in association with ICT Academy from 10<sup>th</sup> and 11<sup>th</sup> August 2017.

Dr. P. Sivakumar, Mr.S.Uthayashangar, Ms. A. Punitha, Mr. K. Vijayakumar, Mr. M. Suresh, Mrs.J.Prabavadhi and K.Premkumar have actively participated in the state level awareness program on sustainable waste management 2017, organized by Puducherry Pollution control committee, Govt. of Puducherry on Aug-Oct 2017.

Dr. P. Sivakumar, Mr.S.Uthayashangar, Ms. A. Punitha, Mr. K.VijiyaKumar, Mr. M. Suresh, Mrs.J.Prabavadhi and K.Premkumar have actively participated in the General Awareness program on UN World Environmental Day, organized by Puducherry Pollution control committee, Govt. of Puducherry on Aus-Oct 2017.

Mr. K.VijiyaKumar has attended the seminar on “R- Programming” at Department of Information Technology, Pondicherry Engineering College from 4<sup>th</sup> to 5<sup>th</sup>October 2017.

Mr.M.Suresh has attended the seminar on “Smart Grid & Green Computing” at Department of EEE, Pondicherry Engineering College from 5<sup>th</sup> to 6<sup>th</sup>October 2017.

Dr. P.Sivakumar has attended the ICTACT –FDP on “IOT And Data analytics” at SMVEC,Puducherry from 9<sup>th</sup> to 10<sup>th</sup> November 2017.

Dr. P.Sivakumar, Mr.M.Suresh, Mr. K.VijiyaKumar, Ms. A. Punitha has attended the One day work shop on “Embedded IOT and IOE” at Manakula Vinayagar Institute of Technology, Puducherry on 14<sup>th</sup> November 2017.

## STUDENT'S CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

### INDUSTRIAL VISIT TO HP

The Third Year Students at an Industrial Visit to “HP Company Enterprise”, located at Vellacherry, Chennai, on 16<sup>th</sup> September 2017.



Our visit to HP Company has been started by 6:00 am from Rajiv Gandhi Womens Hospital Pondicherry on 16<sup>th</sup> September 2017 and We reached the Vellacherry by 10:00 am. As soon as we reached company we were guided by Miss Devi where she gave a brief introduction about the company and the process will be carried out. Later we have been divided into two groups. One team of students have been handled by Mr.SathyaSr.HR.Manager and Other Batch of students will be handled by Mr.Senthil Specialist in Embeded system Application.

Mr.Sendhil, Specialist in Embedded System as delivered the lecture about future of Embedded System.





Expertise explained about the emerging technologies in the embedded field and the future importance of those technologies. He insisted the importance of Micro-controller based projects is becoming much popular because of its wide range of applications. From mobile phone we use to the electronic circuit boards, everything around us uses hardware/ software for its proper functioning - such integration is possible only through the advancement in embedded systems. Doing engineering project on embedded systems will make you to understand this core technology and it's wide range of practical applications.

We along with the Staff Members would like to extend our gratitude to company for permission and support they gave to make our visit a success with accomplishment of objective.

**Outcome:** Students learnt the practical knowledge in the embedded field.

## CO-CURRICULAR ACTIVITIES

### In-Plant Training Programme Undergone

- Our Department, IV year students, Arun .K, Meena .P, Kirubakaran .S, Kavibharathy.U, Sivapridha.A ,Sangeetha .C, Vidhya .G , Priyanka .B , Sarathkumar .A, Sathiyagnanasabapathy.J have undergone the In-plant Training at Core Bind Technology, Coimbatore from 24<sup>th</sup> to 26<sup>th</sup> June 2017.
- Our Department, IV Year Students Ajithkumar A, Arun.K, Arunkumar, P Gowthaman.K,Naveenprasanth,NirmalSivabalan, have undergone the In-plant Training at Techlog, Chennai, from 24<sup>th</sup> to 26<sup>th</sup> June 2017.
- Our Department, IV year students, Bakkiyalakshmi .K,Maheswari .M,Sangeetha.B,Sankavi .K have undergone the In-plant Training at JP INFOTECH Puducherry, from 24<sup>th</sup> to 26<sup>th</sup> June 2017.
- Our Department, IV year students, Bhuvanalakshmi .B, Durga Devi .G J have undergone five days In-Plant Training at Code Bind Technology, Coimbatore from 26<sup>th</sup> June to 1<sup>st</sup> July 2017.
- Our Department, IV year students Umasankar .E,Jayasree.J,Sowmya .R,Sabarinath .S,Sabarinath .S,Nivedha .J,Mithra .R, Kirthana .J have Undergone two days In-Plant Training at U.I.N.Q Tech ,Chennai from 24<sup>th</sup> to 26<sup>th</sup> June 2017.
- Our Department III year students of 13 members have undergone five days In-plant training in PrasarBharathiDoordarshan Kendra, Pondicherry on TV transmission and receiving via Satellite Communication and Microwave Communication from 5<sup>th</sup> to 9<sup>th</sup> June 2017.

- Our Department III year students of 15 members have undergone Five days In-plant training in Ocean Academy, Pondicherry on Android App Development from 12<sup>th</sup> to 17<sup>th</sup> June 2017.
- Our Department III year students of 13 members have undergone Fivedays In-plant training in SPRINGNET Technologies, Pondicherry on Android App Development from 12<sup>th</sup> to 17<sup>th</sup> June 2017

### **Paper presentation**

Our Department II year students U.VimalPriyanand Sivaganesh have participated in Paper Presentation in “Driveless Car”, Organized by Technical Club at MIT on 1<sup>st</sup> September 2017.

### **Competition/Contest/Online Course & Certification:**

#### **Testimony contest**

Our Department III & IV year Students have participated in testimony code contest Round 1 on 27<sup>th</sup> June 2017. **Round 1 has cleared** by III year students of Shivani, Sairam, Sakthivel and IV year students of Sandeep, Maheswari, Bakkiyalakshmi and **participated the Round 2** on 4<sup>th</sup> July 2017.

#### **Code vita- TCS contest:**



Our Department II & III & IV year Students have participated in Code Vita- TCS Contest on 28<sup>th</sup> July 2017.

### **Innovators day 2017 contest**

- Our Department III year students, G. Anbarasan, M. Sasidharan, G. Selvam have **participated and Shortlisted for Second round** in Innovators day Project - Contest 2016 on the topic “ Design and Control of Smart Home Automation with Secured System” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember2017.
- Our Department III year students, Rajesh Kumar.K, Uma Sankar.E, Gowthaman.R have participated in Innovators day Project - Contest 2016 on the topic “Speech Detector Robotic Vehicle Control” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember 2017.
- Our Department III year students, Sarathkumar, Jayakumar, Premrajan have participated in Innovators day Project - Contest 2016 on the topic “Obstacle Detection Blind Stick Using Arduino Board” at Sri ManakulaVinayagar Engineering Collge, Puducherry on 14thSeptember2017.
- Our Department III year students, V. AswinRaaju, V. Vasanth Raj have participated in Innovators day Project - Contest 2016 on the topic “Home Automation” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember2017.
- Our Department III year students, SairamPuppala, Ashok. S, Sakthivel. A have participated in Innovators day Project - Contest 2016 on the topic “ Software Generating Console Design & Generation of Barcodes with JAVA Programming” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember2017.
- Our Department III year students, p. Shivashankar, k. Logavignesh, m. Nandhakumar have participated in Innovators day Project - Contest 2016 on the topic “ Distance Calculator Using Adruino” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember2017.
- Our Department III year students, T.Shakthivel, ShanthanuBhowmick, R.Prassana have participated in Innovators day Project - Contest 2016 on the topic “Hoverboard Using ArduinoAnd Buletooth” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember2017.

- Our Department III year students, Pritheba, Sowmiya, Rajeshwari have participated in Innovators day Project - Contest 2016 on the topic “ Navigation Of Servo Boat Through Bluetooth” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember2017.
- Our Department III year students, Mouhamednoordeen, A. Mohamed hasvak, A. Sophia Nadine have participated in Innovators day Project - Contest 2016 on the topic “ Automatic Tap For Time And Water Saving” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember2017.
- Our Department II year students, A.Joseph Charles, R.Brainard Samuel, S.Giridharan have participated in Innovators day- Project Contest 2016, on the topic “ Double Side Distance Measuring Device” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember2017.
- Our Department II year students, R.Geetha Lakshmi, A.P.Janani, R.Dharani, R.Jayavardhani have participated in Innovators day- Project Contest 2016, on the topic “ Break Failure Indicator Circuit” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember2017.
- Our Department II year students, VimalPriyan .U, VijayaramAbishek, Sivaganaesh .C, Saranidaran.K have participated in Innovators day- Project Contest 2016, on the topic “ Foot Step Power Generator” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember2017.
- Our Department II year students, Illakiya.S, Malathy.R, Gowri.D have participated in Innovators day- Project Contest 2016, on the topic “ Intrusion Alarm Using Arduino” at Sri ManakulaVinayagar Engineering College, Puducherry on 14thSeptember2017.

### **NPTEL- Online Certification**

- Our Third year IT 3 Students have registered the **NPTEL online course on Operating System** and took up online exam on 24th September 2017. Out of 3 Students, 2 students (**ShantanuBhowmick.H, Sakthivel.A**) have passed the Exam and Received Online Certification in the month of October 2017.

- Our Third year IT 8 Students have registered the **NPTEL online course on DBMS** and took up online exam on 24th September 2017. Out of 8 Students, 4 students (**Sowmiya.P ,Rajeswari. S, Nirmala, Nandhakumar.M**) have passed the Exam and Received Online Certification in the month of October 2017.

#### **Students Workshop/Guest Lecture Attended:**

- Our Department IV year Students, Ajithkumar .A, Sandeep .N have attended 5 days Workshop on “Android Mobile Application Development” at Pondicherry University from 19<sup>th</sup> to 23<sup>rd</sup> June 2017.
- Our Department III year Students have attended 5 days Workshop on “English Language Communication Training” by Imran Khan, Trainer, English Training Institute, Chennai on 17<sup>th</sup> to 21<sup>st</sup> July 2017.
- Our Department II & III year Students have attended the Guest Lecture on “Competitive Examinations and Higher Studies” by Mrs.V.Shankari, at MIT, Puducherry on 21st July 2017.
- Our Department III & II year Students have attended 1 days Workshop on “Zero to one” – All about Startups by HeadStart-Puducherry Chapter. Guest speakers are: Ravi Ranjan, Head, Events Partnership, Devi.G.Sha, Founder, Inform Atomicka, Krishna prathap, Founder & CEO, XLabTechnologies,Puducherry on 22<sup>nd</sup> August 2017
- Our Department II & III year Students have attended 1 days Workshop on “Garnishing Talent – 2017 ”, Motivational Program by CII Association(Confederation Industry of India), powered by Antony Jayakumar, HR Manager, EATON, Puducherry on August 2017.
- Our Department II & III year Students have attended MVIT- IAS Academy Inaugural Function at MIT on 26<sup>th</sup> August 2017.

## EXTRA -CURRICULAR ACTIVITIES

### **Technical Club – Debate Contest**

Our Department II year students U.VimalPriyan and III year Student V.Prasanna have participated and **won the first prize** in Dr.AbdulKalam Remembrance Day Contest in the event of Debate, organized by Technical Club at MIT on 27<sup>th</sup> July 2017.

### **ICC'17 Contest**

Our Department II year Student R.Brainard Samuel have participated and **won the Third prize** in ICC 17 Contest in the Event of Recycling, Organized by SAIT – IT Association, Dept of IT on 10<sup>th</sup> August 2017.

### **NSS Rally:**

Our Department II year Student VimalPriyan.Uand VijayaramAbishek.R have participated in NSS- Rally for Save the River, Isha Foundation, Chennai on 14<sup>th</sup> August 2017.

### **Youth talk contest:**

Our Department II & III year Students have participated ICTACT – Youth talk Contest in Pondicherry Region level held at SMVEC Pondicherry, out of which **2 students T.Sakthivel, Deepika.K** from III year IT, have been **Shortlisted for second Round** on 9<sup>th</sup> September 2017.

### **Sports Activities:**

Our Department IV year Student Rajesh Kumar and Surendiren have participated in Cricket Tournament at Stanley Govt. Medical College, Chennai on 19<sup>th</sup> – 22<sup>nd</sup> September 2017.

## ALUMNICONTRIBUTION

On 1st July 2017, our alumni Mr.Prasad and Mr.Ramprakash interacted with our third year IT 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 5<sup>th</sup> August 2017, our alumni Ms.Jayashree, Mr.Sudharshan, Software Engineer, TCS-Chennai, interacted with our third year IT budding engineers about the various points of view on their career & preparation for placements.



## EDITORIAL BOARD

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# DEPARTMENT OF INFORMATION TECHNOLOGY



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