



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Kalitheerthall kuppam, Puducherry – 605 107

DEPARTMENT OF INFORMATION TECHNOLOGY

NEWS LETTER

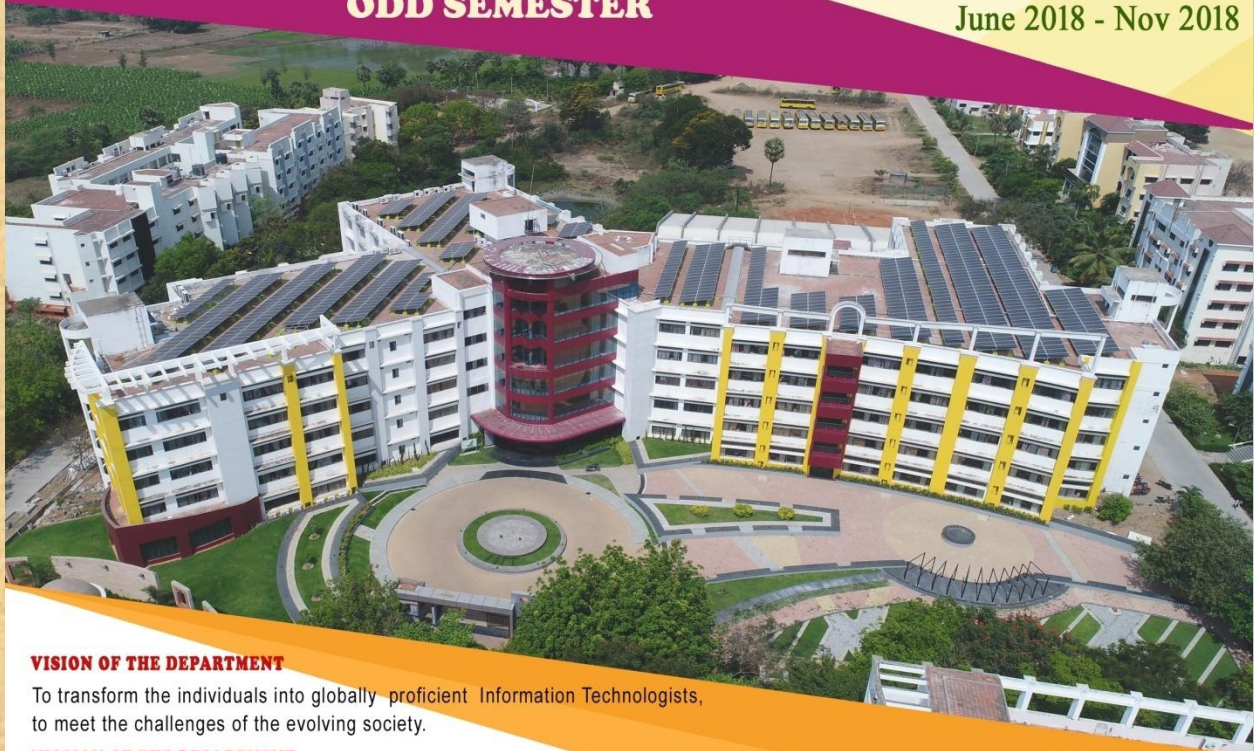
2018 - 2019

ODD SEMESTER

Bi - Annual Issue

Volume 05

June 2018 - Nov 2018



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.

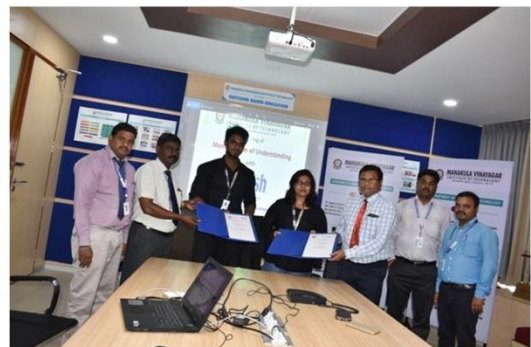
PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

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.



★ 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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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.



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News Letter 2018 - 2019 – ODD SEM

ABOUT THE INSTITUTION



Nestled in the vast expanse of the agricultural lands of Kalitheerthalkuppam on the Pondicherry-Villupuram main road, Manakula Vinayagar Institute of Technology is the 10th and the most recent edifice that spells modernity and technological advance even as a classically architecture temple of the elephant-faced GOD welcomes the entrant with the deity bestowing intelligence and supernatural powers upon those who worship him with closed palms and an open heart.

Manakula Vinayagar Institute of Technology, with its motto, Educate, Empower and Excel, has risen to meet the ever increasing need for consummate technologists who would usher in a better tomorrow that would free people from the clutches of old world ideas. MIT is a self-financing technical institute started in 2008 by Sri Manakula Vinayagar Educational Trust with the aim to make state-of-the-art technology to the rural society and to open up career opportunities for the underprivileged youth in and around the vicinity.

The college is approved by AICTE and affiliated to Pondicherry University. It provides an ambience of uncompromised innovation, excellence and quality. Its library houses over 18343 books and 474 e-journals and magazines for the benefit of the students.\

Chairman's Message



Sri Manakula Vinayagar Educational Trust is sponsoring the colleges with the state of art facilities and modern technologies for making our students employable as well as to become successful entrepreneurs. We are running all the colleges in the highest order of discipline among the students and personally take care of their studies, successful completion of the course. We take utmost care about students' future and also believe that they all are our customers.

All the colleges have got highest order of discipline, won the reputation and opinion of public and industrialists. That is the success of our institutions which makes us to be a leader in Education.

With regards

Shri M. Dhanasekaran, Chairman and Managing Director

Vice Chairman's Message



Dear Students, Welcome to Manakula Vinayagar Institute of Technology.

The transition from school to college is a very big step in life. By choosing to create a future for yourself from our institution means that we, the teachers and management at MVIT are responsible for your successful graduation and growth. You will cherish every day at your college, right from day one, you will feel welcome by all of us here – your seniors, your new professors, and members of administration you will get to interact with. What's more the energetic environment will have you charged up to achieve your dream with confidence like never before.

It is your career path that you have now embarked upon, which will be a remarkable journey in itself that will prepare you for a life beyond college. We pray and will work with you to see you become one with the society where your contribution will make a definitive difference to our world.

The commitment from us begins from day one – to work with you and walk with you through each day all through the years you will spend here which is your home away from home. The learned staff members and the ever accessible Management are always with you to guide you through your path and help you nurture your dreams and fulfill them – by empowering you to realize your true potential. Be it studies, sports or any extracurricular activities, you don't just graduate with a degree and a certificate – but become a graduate of life and a true citizen of the world of tomorrow.

With regards

Shri.S.V.SUGUMARAN, Vice Chairman.

Secretary's Message



Dear Students, Welcome to Manakula Vinayagar Institute of Technology.

The essence of Engineering and technology which has spread in India is a very positive sign not only to cater domestic needs but provide manpower to the entire world and become biggest technically trained community. The Institution has successfully integrated its vision, values and vitality in a distinct blend that has significantly enhanced brand image. Engineers play the most vital and important role in nation building. They create new inventions using best engineered technologies to make human life more comfortable, secure and productive.

In modern times, nations which have rich engineering and experienced management domains are flourishing economically and are providing better lives to their people. We have excellent potential to grow in diversified areas and excel in Engineering and Management fields. We need enormous number of engineers and managers to write next story of success. The Institution will continue to strive hard to make the students come out in flying colors in technological field. Our journey is towards excellence. We invite you to be a part of this excellence by becoming an authentic and share the exhilarating learning experience.

With regards

Dr. K. NARAYANASAMY, Secretary.

Principal's Message



Dear Students,

My heartiest welcome to all the young and budding Engineers who have joined in MVIT. With the guidance of our respected Chairman and Vice Chairman, with the help of highly qualified and dedicated faculty team, we will be molding the students to the required shape which will make them industry-ready, employable and well disciplined.

The Manakula Vinayagar Institute of Technology will strive hard to provide pleasant ambience and conducive atmosphere for molding the young minds to scale greater heights in their chosen field of study. In our college we give top priority to academic excellence, innovation, and discipline. An effective Training and Placement Cell is in place to provide placement to all our students. A state-of-the-art and up-to-date infrastructure facilities and good learning atmosphere are the hallmarks of our Institution. I hope all the students admitted in this Institution will enjoy their study in the campus. Let us all come together, build together, and achieve together with the blessings of Almighty for Tomorrow's India.

With regards
Dr.S.Malarkkan, Principal, MVIT

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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DEPARTMENT OF INFORMATION TECHNOLOGY

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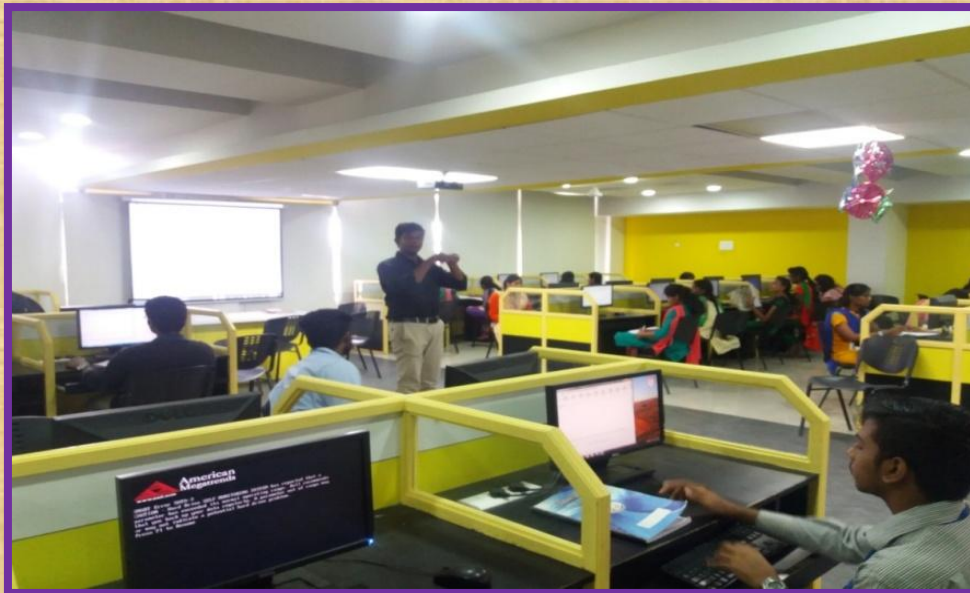
- **MITILENCE**
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- **ICSCAN**
- **PROJECT CONTESTS**

DEPARTMENT ACTIVITIES

WORKSHOPS

1. One Day IEEE Sponsored Workshop on “**Web Development using Python**” handled by Mr.Hariharan Trainer, NIIT, Puducherry on 16.7.18.
2. Workshop on “**Amazon Web Service**” handled by Mr.Shanmugasundaram, HR & Trainer, Micireds Network Technologies, Pondicherry on 27.7.18
3. CSI Sponsored Workshop on “**Machine Learning handled by using WEKA Tool**” handled by Mr.Uthayakumar, Founder & CEO, Genesys Academy, Puducherry on 20.8.18
4. ISTE Sponsored One Day Workshop on “**Six Sigma tools and Techniques**” handled by **Dr.R.Paneerselvam**, Professor,Dept. of mgmt Studies Pondicherry University. Mr.V.Kamesh, Quality Head, Whirlpool, Puducherry on 21.8.18.

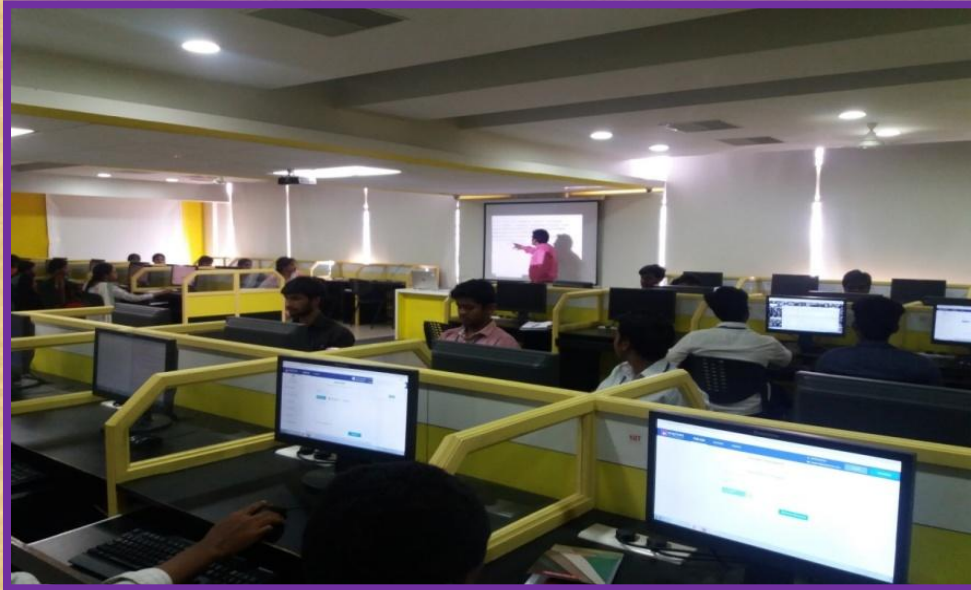
CSI Sponsored one day workshop on “**Machine Learning by using WEKA Tool**”



CSI Sponsored One Day Workshop Conducted on “Machine Learning by using WEKA Tool” by Mr.Uthayakumar, Founder & CEO, Genesys Academy, Puducherry for III year IT Students on 20th August 2018.

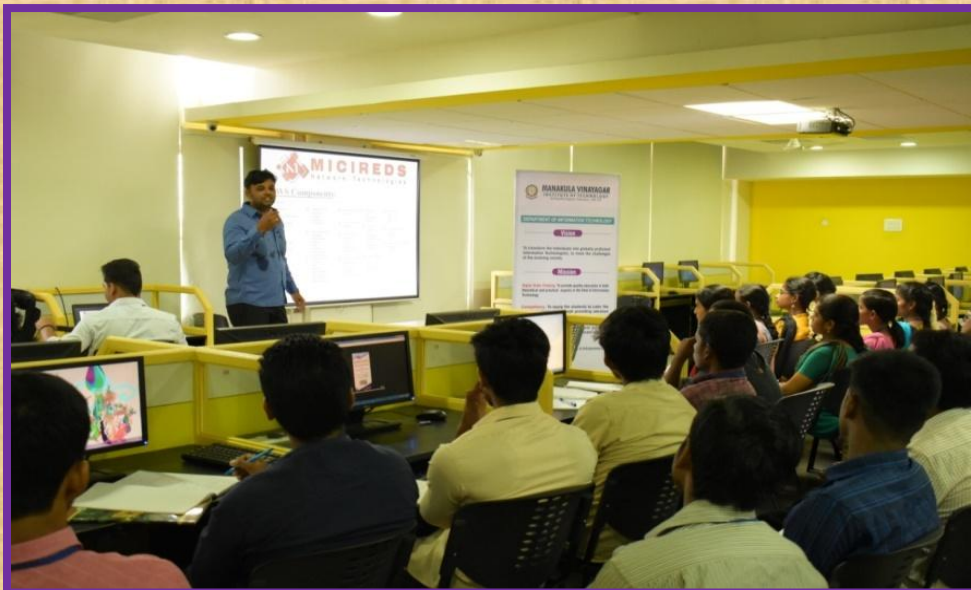
WORKSHOPS

One Day Workshop on “Web Development using Python”



Conducted One day Workshop on “Web Development using Python”, session handled by Mr.Hariharan,Trainer NIIT, Puducherry for III year IT Students on 16th July 2018.

One Day Workshop on “Amazon Web Service”



Arranged One Day Workshop on **Amazon Web Service**, session was conducted by Mr.Shanmugasundaram, **HR & Trainer, Micireds Network Technologies, Pondicherry** for III year IT Students, on 27th July 2018.

Guest Lectures

1. CSI Sponsored Guest Lecture on **“Agile Software Development”** handled by Dr. N. Sivakumar, Assistant Professor, Dept of CSE, PEC, Puducherry on 20.9.18
2. Guest lecture on **“Win your Weakness – Motivational Lecture”** handled by Mr. V. Gowthaman, Soft Skill Trainee, LSE Groups, Puducherry on 23.7.18
3. Guest lecture on **“Introduction to Machine Learning”** handled by Mr. ArunVignesh, SSN College of Engineering, Chennai on 30.6.18
4. CSI Sponsored Guest Lecture on **“Recent Advancement in Networking”** handled by Dr.P.Shanthi Bala AP/CSE, Pondicherry University, Pondicherry on 31.7.18

Guest lecture on **“Win your Weakness – Motivational Lecture”**



Organized One day Guest lecture on **“Win your Weakness – Motivational Lecture”** delivered by **Mr. V. Gowthaman, Soft Skill Trainee, LSE Groups, Puducherry** for II year IT Students on 23th July 2018.

Guest Lectures

One day Guest Lecture on “Agile Software Development”



Organized One Day CSI Sponsored Guest Lecture on “Agile Software Development”, session handled by Dr. N. Sivakumar, Assistant Professor, Dept of CSE, PEC, Puducherry for III year IT Students held at MIT Auditorium on 20th September 2018.

One Day Guest lecture on “Introduction to Machine Learning”



Organized One Day Guest lecture on **Introduction to Machine Learning**, handled by Mr. Arun Vignesh, SSN College of Engineering, Chennai for III year IT Students, on 30th June 2018.

Special Lectures

1. Mr. Vijiyakumar.K handled the special lecture on Machine Learning using Tensor Flow on 22.6.18
2. Ms.Prabavadhi.J handled the special lecture on Hardware Modeling using VHDL on 21.7.18.
3. Mr. Uthayashangar.S handled the special lecture on Bootstrap on OS on 26.7.18.
4. Mr. K.Premkumar handled the special lecture on Speed of Technology on 7.7.18.
5. Ms. Dhamayanthi.R handled the special lecture on How to make Global standards and policies on 3.8.18.
6. Mr. Karthik.B handled the special lecture on Java's support in graphics, networking on 11.8.18.
7. Mr. P.Mathivanan handled the special lecture on Network Operating System on 24.8.18 & 25.8.18
8. Ms. A.Punitha handled the special lecture on Finite State Automation by using JFLAP Tool on 30.8.18
9. Mr. S.Shanmuga sundaram handled the special lecture on Software Engineering on 5.9.18.

Special Lecture on “Speed of Technology”



Mr.K.Premkumar, AP/IT has delivered the **Special Lecture** on “Speed of Technology“ for II year IT Students 7th July 2018.

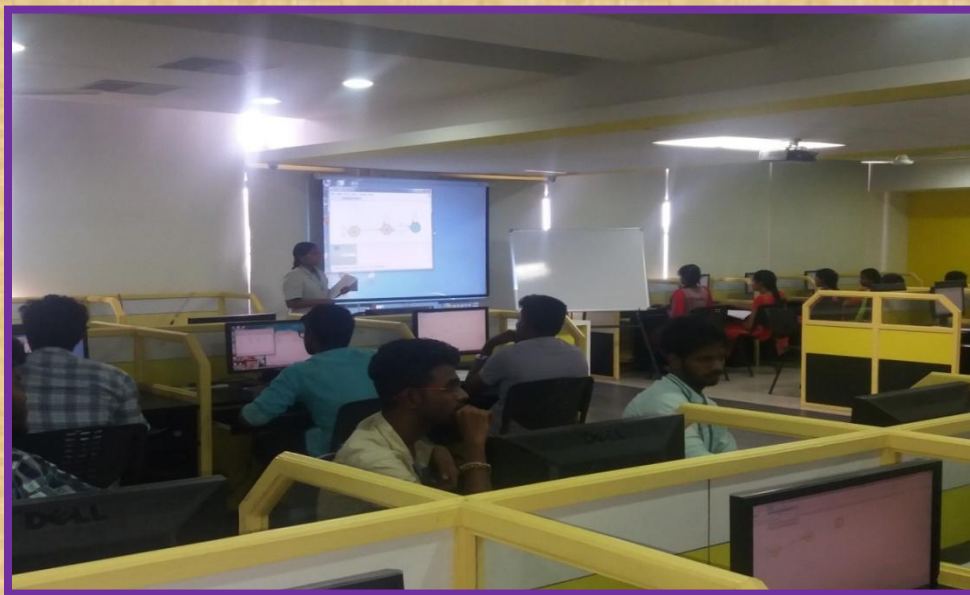
Special Lectures

Special Lecture on Network Operating System



Mr.P.Mathivanan, AP/IT, has delivered the **Special Lecture** on “Network Operating System“ for III year IT Students on 24th & 25th August 2018.

Special Lecture on Finite State Automation by using JFLAP Tool



Ms.A.Punitha, AP/IT, has delivered the **Special Lecture** on “Finite State Automation by using JFLAP Tool” for III year IT Students on 30th August 2018.

Memorandum of Understanding (MOU)

MOU Signed with Shailash, Chennai



Memorandum of Understanding (MOU), Signed between Shailash, Chennai & Manakula Vinayagar Institute of Technology, Dept of Information of Technology in the month of November 2018.

MOU Signed with Cherri Technologies, Puducherry



Memorandum of Understanding (MOU) Signed between Cherri Technologies & Manakula Vinayagar Institute of Technology, Dept of Information of Technology on July 30th 2018.

Inauguration of IOT Innovation Lab powered by Ridsys, Puducherry



Our department made a tie up with Ridsys powered IOT Innovation Lab on 18th July 2018, to enhance the quality of student's innovative projects.

EVENTS ORGANIZED

Independence Day celebration (ICC'19)



An account of Independence Day celebration, Smart Association of Information Technology (SAIT), department of Information technology has conducted various events like recycling, painting, Hand craft etc., on 10th & 11th August 2018.

ICTACT – 2 Days FDP on “Problem Solving Skills”



Conducted Two Days, ICTACT Sponsored FDP on “Problem Solving Skills” for Faculty members from Various College, in & around Puducherry held at MVIT on 29th – 30th November 2018.

STUDENTS ACTIVITIES AND ACHIEVEMENTS

National Level Project Contest - Innovators '18



G. Anbarasan, G.Selvam of IV Year IT, have won the Third prize with cash award of Rs.1500 in National Level Project Contest - Innovators '18 held at SMVEC, Puducherry on 14/09/ 2018.

National Level Technical Symposium- IFET Mind Sparkathon 18



R. Prasanna G.Selvam & Sakthivel.T of IV year IT, have won the First prize with cash award of Rs.10,000 in National Level Technical Symposium- held at IFET, Villupuram on 15.09.2018.

National Level Technical Symposium- - PRESTO 2K18



G. Anbarasan, G.Selvam of IV Year IT have won the First prize with cash award of Rs.3000 in National Level Technical Symposium- PRESTO 2K18, held at RGCET, Puducherry on 20th September 2018

Quiz Competition



R. Brainard Samuel of III year IT, have won the First prize in Quiz Competition, held at Pondicherry Engineering College on 27th September 2018.

ZOHO –Cliq Trix workshop on “Web Hooks”



B. Preethika of III Year IT, have participated in **ZOHO –Cliq Trix workshop on “Web Hooks”** held at ZOHO – Estancia Campus, Potheri, Chennai on 15th September 2018

Garnishing Talent Program on Assessment & Selection Skill, organized by EATON in association with CII, Puducherry



U. Vimal Priyan, Praveen Kumar, Marie Augustin Raj.A, Brainard Samuel.R, Giridharan.S have participated in Garnishing Talent Program on Assessment & Selection Skill, organized by EATON in association with CII, Puducherry on 14th July – 22nd September 18.

Business Quiz Contest at MVIT



S. Giridharan & A.Sofia Nadaine of III year IT, have won the Second prize in Business Quiz Contest, on the account of **Sri Kesavalaya Foundation**, held at MVIT, Puducherry on 15th September 2018.

- Vijayaram Abishek, Brainard Samuel of III year IT have Shortlisted for Final Presentation & Internship the Project Idea for IBM Hack challenge 2018 - Code contest on November 2018.
- Praveen Kumar & Giridharan of III year IT have Undergone the Internship Program at GGRM, Chennai on Sep 2018.
- Vijayaram Abishek , Vimal Priyan.N, Sivapavithran, NalinaKumari have participated in NSS Program- Swatch Bharath Internship at Madagadipet, Puducherry on 19th, 20th June & 28th September 2018.
- S. Sowmya & K. Dheepika of IV Year IT, have won Places in TCS **Codevita Coding Contest & Offered with Job** 3.36 lakhs per annum.

Industrial Visits

Industrial Visit to Lenovo, Puducherry

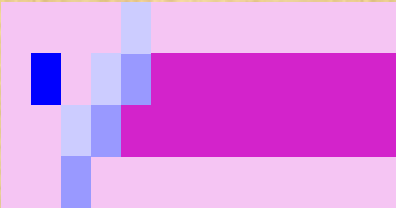


The Second IT Students Undergone one day Industrial visit to Lenovo International Services India Private Limited at Thavalakuppam, Puducherry on 9th July, 2018.

Industrial Visit to VI Microsystems Private Limited, Chennai.



Third year IT Students, undergone one day Industrial visit to VI Microsystems Private Limited at Perungudi, Chennai on 14th July, 2018.



Staff activities

FACULTY DEVELOPMENT PROGRAMMES

- Dr.P.Sivakumar, Dr.A.Meiappane and Mr.K.Premkumar have participated in the one week AICTE –ISTE Induction Programme on “Smart Grid, Internet of Things and Green Computing- The Future of Energy Intelligence, held at MIT, Puducherry on 16th – 21st July 2018.
- Mr.K.Vijiyakumar, Mr.M.Suresh, Mr.P.Mathivanan, Ms.A.Punitha have attended the workshop on “10 Attributes of high Impact Teachers, organized by ICT Academy at MIT on 16th – 17th July 2018.
- Mr.P.Mathivanan has One Day Regional workshop on AICTE Internship Policy, Implementation Strategy and Internship Portal at B R Abdur Rahman Crescent Institute of science & Technology, Chennai on 9th October 2018.
- Ms.A.Punitha has attended the Two days Hands on Training on Deep Learning Models using Python with keras and Tensorflow at MVIT, Puducherry on 26th – 27th October 2018.
- Dr.A.Meiappane has AICTE-UKIERI Technical Leadership Programme at AICTE Head Quarters, New Delhi on 19th – 22nd November 2018.
- Dr. P.Sivakumar & Dr.A.Meiappane have attended the 2 days ICTACT FDP on Problem Solving Skills at MVIT, Puducherry on 29th – 30th November 2018.
- Dr. P.Sivakumar have attended 7 Days AICTE Approved FDP on Cloud Computing through NPTEL Forum in the month of November 2018.

ONLINE CERTIFICATIONS

- Dr.P.Sivakumar has completed NPTEL Online Certification on “Cloud Computing” in the month of Nov 2018.
- Mr.M.Suresh has completed NPTEL Online Certification on “Software Engineering” in the month of Nov 2018.
- Ms.A.Punitha has completed NPTEL Online Certification on “Digital Circuits” in the month of Nov 2018.

EDITORIAL BOARD

Editors:

1. Mr.K.Premkumar, AP
2. Ms.A.Punitha, AP

Student-Editors:

III Year IT

1. Illakiya.S
2. Amarnath.G
3. Priyanga.P

II Year IT

1. Praveen Kumar.G
2. Madhavan.G
3. Loga sowmya.V

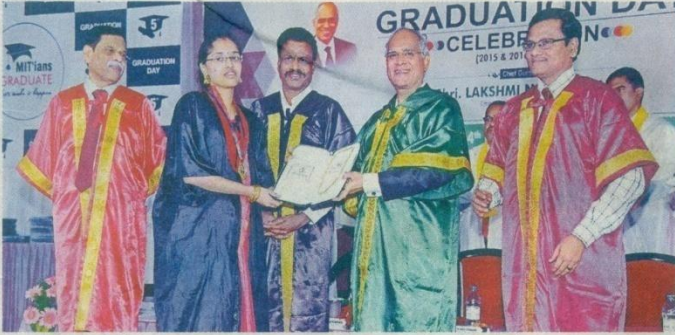
எம்.ஐ.டி., கல்லூரியில் புதுமை சவால் போட்டி



■ கலித்தர்த்தாருப்பம் மணக்குள விநாயகர் இன்ஸ்டிடியூட் ஆப் டெக்னாலஜியில் அக்கன்சர் நிறுவனம் சார்பில், புதுமை சவால் போட்டி நடந்தது.



மணக்குள விநாயகர் கல்லூரியில் 5வது பட்டமளிப்பு விழா



■ மணக்குள விநாயகர் இன்ஸ்டிடியூட் ஆப் டெக்னாலஜி கல்லூரியில் நடந்த பட்டமளிப்பு விழாவில் மாணவ, மாணவிகளுக்கு காக்கிசண்ட் நிறுவன துணை தலைவர் லட்சுமி நாராயணன் பட்டங்களை வழங்கினார்.



■ மணக்குள விநாயகர் இன்ஸ்டிடியூட் ஆப் டெக்னாலஜி கல்லூரியில் "ஸ்மாட் கிரிட், ஐ.ஓ.டி., கீரீன் கம்ப்யூட்டிங் ஆற்றல் நுண்ணறிவின் எதிர்காலம்" என்ற தலைப்பில் பயிலரங்கம் நடந்தது.



★ Educate

★ Empower

★ Excel