MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY
Kalitheerthalkuppam, Puducherry- 605 107.
DEPARTMENT OF INFORMATION TECHNOLOGY
ACADEMIC YEAR : 2018-19(ODD SEM).

IT DEPARTMENT - ANNUAL REPORT

STUDENTS PARTICIPATION –CO - CURRICULAR ACTIVITIES:

STUDENTS PARTICIPATION IN TCS PROJECT CONTEST:

TESTIMONY – CODE CONTEST:

- Our Department III year Students (72) have registered the TCS Encode & Testimonial Code Contest at MIT on 15th June 2018

- Our Department III year Students have participated in First Round TCS Encode & Testimonial Code Contest at MIT on 10th July 2018.

- Our Department III year Students (17) & IV year Students (12) have participated in First Round TCS Codevita Contest at MIT on 9th August 2018. Out of which, IV year Students, Sowmya.S & Dheepika have cleared the round & got TCS offer Letter on 30th August 2018.

ICTACT – YOUTH TALK CONTEST:

- Our Department III year Students (9 Students) have registered the Youth Talk Contest, organized by ICTACT Academy, Puducherry on 31st July 2018.

- Our Department III year Students, Sofia Nadaine, Sivagami have uploaded the video for Youth Talk Contest organized by ICTACT Academy, Puducherry on 7th August 2018.

AWS EDUCATE CHALLENGE 2018 – QUIZ CONTEST

- Our Department III year Students (8) & IV year Students (9) have participated in First Round Quiz Contest - AWS Educate Challenge 2018 at MIT on 6th August 2018.

IBM HACK CHALLENGE 2018 – CODE CONTEST

- Our Department III year Students (7 Batches) have registered the IBM Hack challenge 2018 - Code contest at MIT on 15th September 2018.

- Our Department III year Students (7 Batches) have uploaded the Project Idea for IBM Hack challenge 2018 - Code contest at MIT on 7th October 2018. Out of which one batch has Shortlisted for Final Presentation & Internship on November 2018.

TCS, GEEK, AI-MANIA 2018 – CODE CONTEST

- Our Department Students (All the year) have registered the TCS, Geek, AI-Mania 2018 – Code Contest at MIT on 24th September 2018.
- Our Department IV year Students Kalaiarasi & Vinotha have Shortlisted for Second Round on TCS, Geek, AI-Mania 2018 – Code Contest at VIT University, Vellore 22nd October 2018.

NATIONAL LEVEL TECHNICAL SYMPOSIUM-PRESTO 2K18- PROJECT CONTEST

- Our Department, IV year IT Students G. Anbarasan, G.Selvam, have won **First prize with cash award of Rs.3000** in National Level Technical Symposium- PRESTO 2K18(Project Contest) entitled on "Home Automation using Smart Mirror" held at RGCET, Puducherry on 20th September 2018.
- Our Department, III year IT Students S.Shakila, K.Pavithra, S.Sivagami, have participated in National Level Technical Symposium- PRESTO 2K18(Project Contest) entitled on "Vehicle Tracking System using Android" held at RGCET, Puducherry on 20th September 2018.

NATIONAL LEVEL TECHNICAL SYMPOSIUM- IFET MIND SPARKATHON 18 – PROJECT CONTEST

- Our Department IV year IT students, R. Prasanna G.Selvam & Sakthivel.T have participated and won the **First prize with cash award of Rs.10,000** in National Level Technical Symposium- IFET Mind Sparkathon '18(Project Contest) entitled on "Home Automation using Smart Mirror" held at IFET, Villupuram on 15th September 2018.
- Our Department, III year IT Students (3 Batches) have participated in National Level Technical Symposium- IFET Mind Sparkathon '18(Project Contest) held at IFET, Villupuram on 15th September 2018.

NATIONAL LEVEL PROJECT CONTEST - INNOVATORS '18

- Our Department IV year IT students, G. Anbarasan, G.Selvam have participated and won the **Third prize with cash award of Rs.1500** in National Level Project Contest - Innovators '18 entitled on "Home Automation using Smart Mirror" held at SMVEC, Puducherry on 14th September 2018.

- Our Department III year IT students (19 Batches), have participated in National Level Project Contest - Innovators '18 held at SMVEC, Puducherry on 14th September 2018.

IN-PLANT TRAINING/ INTERNSHIP PROGRAMME UNDERGONE

- Our Department, III year students (31 Boy Students), have undergone the In-plant Training at Cherri Technologies, Pondicherry, on 4th – 9th June 2018.

- Our Department, III year students (37 Girls Students), have undergone the In-plant Training at Doordarshan Kendra, Puducherry, on 4th – 8th June 2018.

- Our Department, III year Students, Mohammed Hasvak& Praveen Kumar.V have undergone the In-plant Training at Le MenizInfotech, Puducherry on 5th – 9th June 2018.

- Our Department, III year Students, Priyadharshini.R, Preethika, Sandresh, Udhayakumar, Sandosh Kumar has undergone the In-Plant Training at JP INFOTECH, Puducherry on 4th – 8th June 2018.

- Our Department, III year Students, Netheanandan.A.C has Undergone the In-Plant Training at Lenovo(India) Pvt.Ltd, Puducherry on 19.9.18 to 25.09.2018

- Our Department, III year Students, Balaji & Hariharan Jaulin has Undergone the In-Plant Training at Lenovo(India) Pvt.Ltd, Puducherry on 19.9.18 to 20.9.18.

- Our Department, III year Students, Praveen Kumar & Giridharan are Undergoing the Internship Program at GGRM, Chennai on Sep 2018 – Till Date.

STUDENTS PARTICIPATION - EXTRA CURRICULAR ACTIVITIES

- Our Department III year Students NalinaKumari, VijayamAbishek & Sivapavithran have participated in NSS Program- Swatch Bharath Internship at Madugarai, Puducherry on 19.7.18 & 20.7.18.

- Our Department III year Students NalinaKumari, Vijayram Abishek & Sivapavithran have participated in NSS Program- Swatch Bharath Internship at Madugarai, Puducherry on 19.7.18 & 20.7.18.

- Our Department III year Students R. Brainard Samuel has won the First prize in Quiz Competition, organized by NSS unit of the College, held at Pondicherry Engineering College on 27.9.2018.

- Our Department III year Students Vimal Priyan.N, V.Praveen kumar, Giridharan, Vijay Ram Abishek have participated in Quiz Competition & G Amarnath, R Brainard Samuel have participated in Essay Competition, organized by NSS unit of the College on 27.9.2018.

- Our Department III year Students Vijayaram Abishek , Vimal Priyan.N, Sivapavithran have participated in NSS Program- Swatch Bharath Internship at Madagadipet, Puducherry on 28.9.2018.

IT DEPT- EVENTS ORGANIZED

INDUSTRIAL VISIT ORAGNIZED

- Our Department III year & II year IT Students have under gone the Industrial Visit to LenovaPvt.Ltd, Thavalakuppam,Pondicherry on 9th July 2018.

- Our Department III year IT Students have under the Industrial Visit to VI, Micro System, Chennai on 14th July 2018.

VALUE ADDED COURSE CONDUCTED (e-Program)

- Value Added Course Conducted on "Python Programming "for II year IT students handled by Mr.K.Vijayakumar, Assistant Professor/IT at MIT, Pondicherry on 23.6.2018, 30.6.2018, 21.7.2018, 28.7.2018, 4.8.18, 11.8.18, 18.8.18, 25.8.18, 8.9.2018, 15.9.2018, 22.9.18 & 29.9.18.

- Value Added Course Conducted on "Python Programming "for III year IT students handled by Mr.P.Mathivanan & Mr.K.Premkumar, Assistant Professor/IT at MIT, Pondicherry on 23.6.2018, 30.6.2018, 21.7.2018, 28.7.2018, 4.8.18, 11.8.18, 18.8.18, 25.8.18, 8.9.2018, 15.9.2018 & 22.9.18.

- Value Added Course Exam Conducted on "Python Programming "for IV year IT students handled by Mr.K.Premkumar, Assistant Professor/IT at MIT, Pondicherry on 29th October 2018.

ONLINE CERTIFICATION COURSE-FOSS: 63/72, Students got Certification

- FOSS online Course conducted on "LINUX" for III year IT Students through Spoken Tutorial Project, IIT Bombay at MIT, Puducherry on 23.6.2018, 30.6.2018, 21.7.2018, 28.7.2018, 4.8.18, 11.8.18, 18.8.18, 25.8.18, 8.9.2018, 15.9.2018, 22.9.18 & 29.9.18

- FOSS online Course conducted on "Programming in C & C++" for II year IT Students through Spoken Tutorial Project, IIT Bombay at MIT, Puducherry on 23.6.2018, 30.6.2018, 21.7.2018, 28.7.2018, 4.8.18, 11.8.18, 18.8.18, 25.8.18, 8.9.2018, 15.9.2018 & 22.9.18

- FOSS online Course Exam conducted on "LINUX" for III year IT Students through Spoken Tutorial Project, IIT Bombay at MIT, Puducherry on 30.10.2018. In connections with 63 Students have got certification on Nov 2018

NPTEL- ONLINE COURSE: 8/42, Students got Certification

- Our III year IT Students have registered the NPTEL Online course on "Software Engineering & DBMS" on 23.6.2018, 30.6.2018, 21.7.2018, 28.7.2018, 4.8.18, 11.8.18, 18.8.18, 25.8.18, 8.9.2018, 15.9.2018, 22.9.18 & 29.9.18.

- Our II year IT Students have registered the NPTEL Online course on "Introduction to Programming in C & Programming in C++" on 23.6.2018, 30.6.2018, 21.7.2018, 28.7.2018, 4.8.18, 11.8.18, 18.8.18, 25.8.18, 8.9.2018, 15.9.2018 & 22.9.18.

- Our II & III year IT Students have written the NPTEL Online Exam on "Introduction to Programming in C & DBMS" on 7.10.2018.In connections with 2(C) & 2(DBMS) Students have got Certification on Nov 2018.

- Our II & III year IT Students have written the NPTEL Online Exam on "Programming in C++ & Software Engineering" on 7.10.2018. In connections with 3(C++) & 1(SE) Students have got Certification on Nov 2018.

WORKSHOP/GUEST LECTURE/WEBINAR ATTENDED

- Our Department IV year (9 Students), III year (12 Students) & II year (7 Students) have attended the **IEEE International Workshop** on Internet of Things by Mr.Kailash, Pantech Solutions, Chennai at MIT on 13.6.18.

- Our Department III Year (6 Students), have attended the **Garnishing Talent Program** on Assessment & Selection Skill, organized by EATON in association with CII, at Accord Hotel, Puducherry on 14.07.18 – 22.09.18

- Our Department III year (10 Students), have attended the ZOHO –Clicq Trix workshop on "Slash Command & Message Actions" organized ZOHO, Chennai held at MVIT, Puducherry on 2.08.2018.

- Our Department III year IT student, Preethika.B, Sandosh Kumar & Udhayakumar have attended the Ethical Hacking Workshop on Game Hack, organized by Wiki Tecky, at Puducherry on 9.9.2018

- Our Department III year IT student, Preethika.B have participated in **ZOHO –Clicq Trix workshop on "Web Hooks"** held at ZOHO – Estancia Campus, Potheri, Chennai on 15.9.2018.

- Our Department III year IT 6 Students, have Attended the Two days Hands on Training on Deep Learning Models using Python with keras and Tensorflow at MVIT, Puducherry on 26.10.2018 & 27.10.2018.

- Our Department II yr(6 Students) & III year(1 Student) have actively participated in hands- on workshop on Ethical Hacking & Cyber Security held at Pondicherry Engineering College, Puducherry on 12.10.18 & 13.10.18.

GUEST LECTURE ORGANIZED

- Our III year IT Students have attended the **Guest Lecture** on Orientation of Public Sector Jobs & Higher Education through Gate, by Mr. R.MalarSelvam, Network Manager, Career Launcher, Coimbatore on 13.6.18.

- Our III year IT Students have attended the **Guest Lecture** on Data Science by Mr. Udhayakumar , HR- Genusis Academy, Puducherry on 18.6.18.

- Our III year IT Students have attended the **Guest Lecture** on Carrier guidance & Profile Building by Mr.M.Heman Kumar, Byju's Chennai on 20.6. 18.

- Our III year IT Students have attended the **Awareness Program**Life Force & Cosmic Consciousness, lecture given by Mr.Aakikceegilane, Youth Hostels Association of India Kalapet,Puducherry on 21.6.18

- Our Department Organized the **Guest Lecture** for III year IT Students on "Introduction to Machine Learning", Lecture Delivered by Mr.M.ArunVignesh, Research Scholar, SSN college of Engineering, Chennai on 30.6.2018.

- Our Department Organized the **Guest lecture** for II year IT Students on "Win your Weakness – Motivational Lecture Delivered Mr. V. Gowthaman, Soft Skill Traineer, LSE Groups, Puducherry on 23.7.2018

- Our Department Organized the **Guest Lecture** for III year IT Students on "Amazon Web Service", Lecture Delivered by Mr.Shanmugasundaram, HR & Trainer,Micireds Network Technologies,, Pondicherry on 27.7.2018

- Our Department Organized the **Guest Lecture** for III year IT Students on "Agile Software Development", Lecture Delivered by Dr.Sivakumar, Assistant Professor, Pondicherry Engineering College, Pondicherry on 20.9.2018

WORKSHOP CONDUCTED

- Our Department Organized the one day **Workshop** on "Web Development using Python", for III year IT Students.This workshop was handled by Mr.Hariharan Trainer, NIIT, Puducherry, Chennai on 16.7.2018.

- Our Department Organized the CSI Sponsored one day **workshop** on "Machine Learning handled by using WEKA Tool" for III year IT Students. This workshop was handled by Mr.Uthayakumar**,** Founder & CEO, Genesys Academy, Puducherry on 20.08.2018.

  Internal Workshop:

- Our Department Organized the **Internal Workshop** for III year IT Students on "Programming in SQL", by Mr. M. Suresh, AP/IT at MIT on 12.6.2018 & 14.6.2018

- Our Department Organized the **Internal Workshop** for III year IT Students on "Python Programming", by Mr. P. Mathivanan, AP/IT at MIT on 23.6.2018

FDP ORGANIZED

- Our Department Organized ICTACT 2 days FDP on Problem Solving Skill at MIT on 29.11.2018 - 30.11.2018

CONTEST ORAGNIZED:

- Our Department Organized Independence Day Celebration Contest**(ICC'18)** for IT Students on Various event like "Painting, Crafting & Quiz" at MIT on 10.08.2018 - 11.08.2018

WEBINAR ORAGNIZED:

- Our Department II year IT, have Attended One day Webinar on Cloud Literacy, powered by aws educate & ICT Academy, Puducherry at MVIT, Puducherry on 26.10.2018.

MOU SIGNED:

- Our Department has signed the MOU with Cherri Technologies, Puducherry on 30th July 2018.

- Our Department has signed the MOU with Shai#sh, Chennai on November 2018.

PROPOSAL SUBMITTED:

- AICTE – 5 days STTP proposal titled on Recent Trends and applications of Machine Learning and Deep Learning – Submitted to AICTE on Nov 2018.

- Govt of India -2 years Project Funding Proposal entitled on "Ensuring the Privacy of the health care data in cloud Infra structure" – Submitted to Govt of India on Nov 2018

SPECIAL LECTURE HANDLED:

- Mr.K.Premkumar, AP/IT has delivered the **Special Lecture** on "Speed of Technology " for II year IT Students at MIT on 07.7.2018

- Mr.P.Mathivanan, AP/IT, has delivered the **Special Lecture** on "Network Operating System " for III year IT Students at MIT on 24.8.2018 - 25.8.2018.

- Ms.A.Punitha, AP/IT, has delivered the **Special Lecture** on "Finite State Automation by using JFLAP Tool" for III year IT Students at MIT on 30.08.2018.

- Mr.M.Suresh has delivered the **Special Lecture** on "Software Engineering" for III year IT Students at MIT on 5.9.2018.

FACULTY PARTICIPATION IN WORKSHOP/FDP

- 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.Vijayakumar, Mr.M.Suresh, Mr.P.Mathivana, 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.

FACULTY PUBLICATIONS IN NATIONAL/INTERNATIONAL JOURNALS

- Mr.M.Suresh, has published a paper entitled "Adaptive High Order Possibilities C-means Algorithm using Hadoop Framework" in the International Journal of Pure and

Mathematics(SCOPUS INDEX) at MIT, Puducherry, Volume 119, July 2018, ISSN: 1314-3395.Pg.No- 1451-1451

- Dr.P.Sivakumar, has published a paper entitled "Automatic Gardening Control system Using IOT" in IEEE International conference on Systems, Computation, Automation and Networking (ICSCAN-2018) Organized by MVIT, Puducherry on 6-7 July 2018.

- Ms.A.Punitha has Published a paper entitled "Review on Challenges & opportunities of IOT in agriculture" in International Journal of Emerging Technologies and Innovative Research(JETIR) (UGC Approved Journal) Volume 5, Issue11, ISSN NO: 2394-8442,Page No: 25-31on Nov 2018

- Mr.S.Uthayshangar has Published a paper entitled "Review on Challenges & opportunities of IOT in agriculture" in International Journal of Emerging Technologies and Innovative Research(JETIR) (UGC Approved Journal) Volume 5, Issue11, ISSN NO: 2394-8442,Page No: 25-31on Nov 2018

FACULTY PUBLICATIONS IN ONLINE CERTIFICATION COURSE

- 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