


Name V.KAVITHA	
Designation:	Assoc.Prof.
Qualification :	M.E.,M.S,(Ph.D)
Area of Specialization :	Computer Science
Experience :	Teaching : UG: 24 PG : 6
	Industry : 6 months
No. of workshop / Conferences / FDP attended :	Workshop – 25 Conference – 32 FDP -15
Publication :	Journal National : 03 International : 25
	Conference National : 18 International : 24
Patent	Automatic Toll Payment With Vocatus Detection Using Li-Fi CBR No. 23376 Dt.11.07.2017. Cooperative Sensing, Communication, Control of IoT Network using Machine Learning Algorithms, IPR number:2020102663, 10.10.2020

Research Guidance :	-
Professional Membership	<ul style="list-style-type: none"> ● Life Member, Indian Society for Technical Education , IACSIT ● IEEE ● ISTE ● IAENG
Staff Achievements:	<ul style="list-style-type: none"> ● Received Best Teacher Award from Lic Club of Madras Metropolitan South ● Acted as co-ordinator for an AICTE sponsored Staff Development Programme on Telemedicine & e-health ,Web Services & Applications. ● Received fund of Rs.11.50,000 / - under MODROBs Scheme ● Reviewer in Business Process Management Journal ● Captain – Cyber Club ● Trained Industry Persons ● Resource Person for AICTE sponsored Margadarshan

Workshop/Conferences/FDP:

- ❖ **Certificate Course in Linux**, conducted by TransEd during November 2001
- ❖ **A winter school on Oracle 9i** conducted by SSEC in association with SRM Radiant, during November 2001
- ❖ **Workshop on Teaching Technology and counseling** skill conducted by Abirami academy during November 2001
- ❖ **Faculty Development Programme on Real Time systems** conducted by **Center for Faculty Development, Anna University at SSN College** during November 2003
- ❖ **Training on Quality Management System and Audit Training** during May 2003
- ❖ **Technical Enhancement Training on LINUX Administration** during June 2003
- ❖ **“Two-day workshop on Software Engineering & Object Technology ”** conducted by SSEC, Chennai. on 23rd December 2004
- ❖ **International Conference INCON-CCC** conducted by SSEC between 20th and 22nd August 2004
- ❖ **One day Workshop on current Trends in Network Security** , conducted by **Sri Sai Ram Engineering College** ,during July 2004

- ❖ **“Two-day workshop on .Net & C#”** conducted by Computer science & Engg. Department **Sri Sai Ram Engineering College** in association with **Computer Society of India, Chennai Chapter** on 17th and 18th December 2004.
- ❖ **National Conference on Distributed Systems & Knowledge Engg.** Conducted by IT.& MCA , Sri Sai Ram Engineering College on 16th and 17th september 2005
- ❖ **Workshop on Grid Computing** conducted by Easwari Engg. College on 17th and 18th Feb.2006
- ❖ **Workshop on E-granary Digital Library Solutions by RMK Engg. College**
- ❖ **STTP on Middle ware Technologies conducted** by MCA Dept, Sri Sai Ram Engineering College on 5th and 6th April 2006.
- ❖ **Faculty Development Programme on Web Technology** conducted by **CFD, Anna University** at **SSEC** in Association with **TCS** From **May 15th to 20th 2006**
- ❖ **Workshop on Script writing organized by Anna University from 7th-9th Dec 2006.**
- ❖ **National Conference on Information and Communication Technology.** Conducted by Dept. of CSE , Sri Sai Ram Engineering College on 09th and 10th March 2007.
- ❖ Attended Training programme on SUSE LINUX installation on 5th July 2007
- ❖ **Acted as co-ordinator for an AICTE sponsored** Staff Development Programme on Telemedicine & e-health , conducted during 9th to 21st July 2007.
- ❖ Attended a workshop on Intellectual Property Rights Organized by SSEC in association with IPR , Chennai on 30th April 2008.
- ❖ **Acted as co-ordinator for an AICTE sponsored** Staff Development Programme on Web Services & Applications , conducted during 5th to 19th May 2008.
- ❖ Attended “MISSION10X” – program on Effective communication and Teaching Enhancement skill”, Nov 2009.
- ❖ A national level seminar on **“Research methodologies in next generation wireless network using opnet”** conducted by department of Information technology, SSEC from 19th to 21st august 2010.
- ❖ Attended SDP on “Case Tools” conducted by department of MCA, SSEC from 23rd and 24th of December 2011.
- ❖ A national level seminar on **“Recent trends in Service Oriented Architecture”** conducted by department of Information technology, SSEC from 5th and 6th January 2012.
- ❖ Workshop on **Journal and Thesis writing , conducted by department of Mechanical Engineering, SSEC on 19.01.12**
- ❖ AICTE Sponsored FDP on work Life Balance for Engineering and Management Faculty
- ❖ Attended FDP on “Security practices in IT” conducted by department of MCA, Rajalakshmi Engineering college on 25th July 2012.
- ❖ UGC , DST sponsored seminar on mobile and pervasive computing conducted by department of IT, M.I.T, Anna university on 6th and 7th of March 2013.
- ❖ AICTE Sponsored seminar on **Cloud Computing and Mining** conducted by department of MCA, SSEC from 26th and 27th September 2013.
- ❖ ISTE Sponsored workshop on Network Design – A practical approach conducted by department of Information technology, SSEC on 3rd and 4th October 2013.
- ❖ Attended FDP on BIG DATA organized by TCS , Chennai on 17th Dec 2013.
- ❖ Attended FDP on Cloud Computing organized by TCS, Chennai on 5th May 2014.
- ❖ Attended Workshop on Cloud computing and Big data on 9th and 10th Dec 2014.

- ❖ Attended FDP on Effective Programming skills organized by CTS, Chennai on 28th may 2016.
- ❖ Attended FDP on Graph theory and its applications organized by Dept. of CSE, Valliammai engg. College , Chennai on 2 and 3rd June 2016.
- ❖ Attended FDP on cryptanalysis and Network security organized by Dept. of CSE, Sri Sai Ram Institute of Technology , Chennai from 27.06.16 to 29.06.16.
- ❖ Attended FDP on IoT organized by Dept. of ECE, Sri Sai Ram Engineering College , Chennai from 28.11.16 to 29.01.16.
- ❖ Attended FDP on INTRODUCTION TO INTERNET OF THINGS @ Jerusalem College of Engineering, Chennai on 26th July and 27th July 2017 by ICT Academy.
- ❖ Attended 5 days Faculty Development Programme on DATA SCIENCE AND BIG DATA ANALYTICS in association with DELL EMC & ICT ACADEMY from 11/09/2017 to 15/09/2017.
- ❖ **Attended workshop on "Red Hat Technology and Industry Adaptation " on 5th Dec 2017**
- ❖ Attended Train the Trainer Program on "SECURITY INFRASTRUCTURE SPECIALIST" QP in association with NASSCOM during 29.10.2018 – 3.11.2018.

- ❖ **Attended , 5 days FDP on AI and cloud computing “ at valliammai engg. College from Nov to Dec 2018**

- ❖ Attended Anna university sponsored 2 weeks FDTP on wireless networks from 6.12.18 to 17.12.18.

- ❖ Attended NPTEL – AICTE - FDP on Outcome based pedagogic principles for effective teaching Oct 2018.

- ❖ **Attended 5 days FDP on nextGen TechStack from 8th April to 12th April 2019 .**

- ❖ **3 days FDP on Introduction to BigData Analytics from 7.8.19 to 9.8.19 at Cresnet University, organized by ICT academy**

- ❖ STTP on 'Internet of Things with Blockchain Applications and Challenges" on 04.01.21-09.01.21 Velalar College of Engineering and Technology

- ❖ Published a book chapter on the title of "Project and Programme Analytics" in Management Analytics and software Engineering, ESN publication, ISBN-978-81-950305-5-2, page no: 206-211, Jan 2021

❖ ATAL FDP on BIG DATA from 25.01.2021 to 29.01.2021 by Siddhartha Institute of Engg & Technology

❖ Webinar on COPYRIGHT IS AN INTELLECTUAL PROPERTY organized by Department of CSE, Sri Sairam Engineering College in association with Intellectual Property Rights cell on 28th January, 2021

❖ Participated in the AICTE Recognized Faculty Development Programme on Cyber Crime and Forensic Tools Conducted by Information Management and Emerging Engineering Department From 23/05/2022 to 27/05/2022 (One Week) - NITTR

❖ Participation in the 5-Day Faculty Development Workshop: "Data Science and Machine Learning using Python" from 4 July,2022 to 8 July, 2022

❖ Workshop Organized by MIT Meerut and Delivered by Edunet Foundation One Week FDP on “Foundations of Data Science” , (2nd to 7th August 2022) conducted by Department of CSE(Data Science, Cyber Security and Artificial Intelligence & Data Science) In collaboration with Department of CSE(AI&ML and IoT) and CSE VNR Vignana Jyothi Institute of Engineering and Technology

NITTR

- Completed Online Orientation Training Programme for Mentors organized from 5th to 9th July 2021 under National Initiative for Technical Teachers Training.
- .Completed Modules 1- 8

Publication of Books / Book Chapter

Published a book chapter on the title of "Project and Programme Analytics" in Management Analytics and software Engineering,ESN publication,ISBN-978-81-950305-5-2,page no: 206-211 ,Jan 2021

Published a book chapter on the title of "Supply Chain and Lean Six Sigma

Analytics " in Management Analytics and software Engineering, ESN publication, ISBN-978-81-950305-5-2, page no: 212-218, Jan 2021

Papers presented in the Conference

- ❖ Presented a paper on Robot for Detecting life in a Seismic disaster in the National Conference 2nd and 3rd feb 07, at Saveetha Engg. College
- ❖ A paper on Robot for Detecting life in a Seismic disaster Selected for presentation in the National conference at St. Joseph's, Trichy
- ❖ A paper on I-CHAIR presented in the National Conference at GCT, Coimbatore.
- ❖ A paper titled A web-based Intelligent Tele- Diagnosis System for Pediatric care. Selected for presentation in the International Conference on Bioinformatics and Computational Biology (BIC USA)
- ❖ A paper titled A web-based Intelligent Tele- Diagnosis System for Pediatric care, Selected for presentation in the national Conference NECTETA09 organized by Shridi sai Engg. College.
- ❖ A paper titled A web-based Intelligent Tele- Diagnosis System for Pediatric care. Selected for presentation in the International Conference on Intelligent Agent & Multi-Agent system 2009, AVIT University, Chennai
- ❖ Presented a paper titled A web-based Intelligent Tele- Diagnosis System for Pediatric care, national conference on Biomedical Electronics and Biomedical informatics organized by Dept. of ECE, SSEC
- ❖ Presented a paper titled An Intelligent Tele- Diagnosis System for Pediatric using Homeopathic Medicine in the International conference on Innovative Computing , Information and Communication Technology organized by Dept. of ECE, IT and CSE, SSEC, Dec 2009
- ❖ Published a paper titled "Intelligent Voice Automated Navigation System ", SSEC Tech Review 2008
- ❖ Published a paper titled A web-based Intelligent Tele- Diagnosis System for Pediatric care, SSEC Tech Review 2009.
- ❖ Presented a paper titled " Secure voter verifiable audit trial ", National conference organized by Dept of CSE, Sri Muthukumaran Institute of Technology , Feb 2012
- ❖ Presented a paper titled " A framework for optimal service selection in service based architecture with multiple Qos classes ", National conference organized by Dept of CSE, P.B.College of Engg. Feb 2012
- ❖ Presented a paper titled " Secure voter verifiable audit trial ", InterNational conference organized by Dept of CSE, E.G.S.Pillay Engineering college, in association with Aichi Institute of Tech., Japan, March 2012

- ❖ Presented a paper titled “ A framework for optimal service selection in service based architecture with multiple Qos classes “, National conference organized by Dept of CSE, Pondichery university, karaikal campus. Mar 2012
- ❖ Presented a paper titled “ A framework for optimal service selection in service based architecture with multiple Qos classes for banking services“, Inter National conference on Application of Management and Technology Research in Global Economy organized by Dept of MBA, Sri Sai Ram Institute of Management studies in association with University of Malaya , June 2012
- ❖ Presented a paper titled “ Modeling and Detection of Active worm”, International Conference on “Advanced computing, Machines and Embedded Technology” 2013, organized by J.K.K. Nattraja college of Engg. And Tech. March 2013. ISBN-978-93-80757-74-2.
- ❖ Presented a paper titled “ Modeling and Detection of Active worm”, National Conference on “Advanced in computing Technology” 2013, organized by Dept. of CSE , St.Joseph’s college of Engg. and Tech. March 2013.
- ❖ Presented a paper titled “ A novel protocol analysis for Data consistency using Graph Theory in VANET MDDP”, InterNational Conference on “Electrical communication and computing” 2014, organized by Dept. of CSE , Tagore Engg. College March 2014.
- ❖ Presented a paper titled “ An Efficient Graph strategy for insider attack detection in VANET MDDP”, National Conference on “Research issues in Computer science and Engg.” 2014, organized by Dept. of CSE , R.M.K. Engg. College March 2014.
- ❖ Presented a paper titled “ Identifying Clone Attack In Mobile Sensor Network Using Localized Algorithm,”, National Conference on “Research issues in Computer science and Engg.” 2014, organized by Dept. of CSE , R.M.K. Engg. College March 2014.
- ❖ Presented a paper titled “ Identifying clone attack in mobile sensor network using localized algorithm”, InterNational Conference on “Electrical communication and computing” 2014, organized by Dept. of CSE , Tagore Engg. College March 2014.
- ❖ Presented a paper titled “ Identifying clone attack in mobile sensor network using localized algorithm”, National Conference on “Novel notions in Engineering communication and Technology” 2014, organized by Dept. of I.T , S.A Engg. College , March 2014
- ❖ Presented a paper titled “ An Efficient Graph strategy for data consistency in VANET MDDP”, National Conference on “Novel notions in Engineering communication and Technology” 2014, organized by Dept. of I.T , S.A Engg. College , March 2014
- ❖ Presented a paper titled “ Efficient video dissemination over Hybrid cellular and Adhoc Networks using THS ”, International Conference on “Recent trends in computer and communication Engineering” 2015, organized by Dept. of CSE , Chendu college of Engg. And Technology , March 2015.
- ❖ Presented a paper titled “ Effective Resource Management ”, International Conference on “Recent trends in computer and communication Engineering” 2015, organized by Dept. of CSE , Chendu college of Engg. And Technology , March 2015.
- ❖ Presented a paper titled “ Efficient video dissemination over Hybrid cellular and Adhoc Networks using THS ”, International Conference on “Recent trends in computer and communication Engineering” 2015, organized by Dept. of CSE , Chendu college of Engg. And Technology , March 2015.
- ❖ Presented a paper titled “ Guaranteed up gradation of Intense Networks using probabilistic Graph modeling ”, International Conference on “Science and Innovative Engineering”, organized by Dept. of CSE , Jawahar Engineering College , April 2016.

- ❖ Presented a paper titled “secured upgrade of complex networks using PGM”, International conference on Recent trends in Engineering and Technology, organized by faculty of engineering and Technology in association with CSI, IEEE, April 2016.
- ❖ Presented paper titled, “ Distributed application for financial botnets for http based malware attacks”, National conference on networking, imaging and green computing, organized by dept of IT, AGNI college of Tech, April 2016.
- ❖ Presented paper titled, “ A survey on change management in service based system using SOA”, International conference on Recent Advances in Technology, Engineering and Science, organized by dept of CSE, C.Abdul Hakeem college of Engineering and Technology, July 2016.ISBN: 978-93-5258-740-7.
- ❖ Presented paper titled, “Automatic Toll Payment With Vocatus Detection Using Li-Fi “ International conference on Computational science and Technology, Organized by Dept. of CSE , Sri Sai Ram Engineering College, March 2017.
- ❖ Presented paper titled, **pertinent solution for web service composition**, International conference on Computational science and Technology, Organized by Dept. of CSE , Sri Sai Ram Engineering College, March 2017
- ❖ Presented paper titled, **Smart Design for the Automation of Inter Networked Banking and Teller Machines**, International conference on science Engineering and Technology, Organized by Dept. of CSE , Jeppiaar Engineering College , March 2018.

- ❖ Presented paper titled, **Smart Device For Speech To Text and Computer Aided Text To Braille System for Visually Impaired Persons**, National conference on Smart Innovations in Communications and Computing, Organized by Dept. of CSE , Sri Sai Ram Engineering College, March 2018.

- ❖ Presented paper titled, **Design For The Mechanization Of Internetworked Banking And Teller Machine Progression**, National conference on Smart Innovations in Communications and Computing, Organized by Dept. of CSE , Sri Sai Ram Engineering College, March 2018.

- ❖ Presented paper titled, **Service based collaborative framework for smart gardening**, National conference on Smart Innovations in Communications and Computing, Organized by Dept. of CSE , Sri Sai Ram Engineering College, March 2018.

- ❖ Presented paper titled, **Doctors Port-Health Care System Based On Services Oriented Architectures**, National conference on Smart Innovations in Communications and Computing, Organized by Dept. of CSE , Sri Sai Ram Engineering College, March 2019.

- ❖ Presented paper titled, **Development of an Iot-Based Bridge Safety Monitoring System** , National conference on Smart Innovations in Communications and Computing, Organized by Dept. of CSE , Sri Sai Ram Engineering College, March 2019.

- ❖ Presented paper titled, Consumer Marketing Using Augmented Reality , National conference on Smart Innovations in Communications and Computing, Organized by Dept. of CSE , Sri Sai Ram Engineering College, March 2019.
- ❖ Presented paper titled, AI-Based Enhancement of Base Station Handover, National conference on Smart Innovations in Communications and Computing, Organized by Dept. of CSE , Sri Sai Ram Engineering College, March 2019.
- ❖ Framework For Visual Information Analysis In Scientific Scholarly Literature, International Conference on Computational Science and Technology (ICCST 2020) 05-03-2020 & 06-03-2020,
- ❖ Blockchain Based Healthcare System, International Conference on Computational Science and Technology (ICCST 2020) 05-03-2020 & 06-03-2020
- ❖ Clever Bot using Computer Vision techniques, International Conference on Computational Science and Technology (ICCST 2020) 05-03-2020 & 06-03-2020
- ❖ P SPEC-SQL: ENFORCE PRIVACY CONTROL FOR DISTRIBUTED DATA ANALYTICS, International Conference on Computational Science and Technology (ICCST 2020) 05-03-2020 & 06-03-2020
- ❖ 2020- 2nd International Conference on Power, Energy, Control and Transmission Systems, MONITORING MENTAL HEALTH USING PHYSIOLOGICAL SIGNALS, 978-1-7281-1083-7/20/\$31.00 ©2020 IEEE
- ❖ 2020 - 2nd International Conference on Power, Energy, Control and Transmission Systems, Framework For Information Analysis of the Scientific Literature using Machine Learning, 978-1-7281-1083-7/20/\$31.00 ©2020 IEEE
- ❖ REALTIME FACE MASK DETECTION USING TINY-YOLO V4
- ❖ 12TH INTERNATIONAL CONFERENCE ON “SCIENCE AND INNOVATIVE ENGINEERING – 2022” (ICSIE - 2022) JUNE 5th 2022 ORGANIZATION OF SCIENCE AND INNOVATIVE ENGINEERING & TECHNOLOGY (OSIET) Chennai, India , CHRONO TEMPORE GENERATOR FOR UNIVERSITY
- ❖ 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC 2022) 17-19, August 2022 “Stagchain – A Steganography based Application working on a Blockchain Environment”

Papers published in the National Journal / Inter National Journal

- ❖ Paper titled “Intelligent Voice Automated Navigation System “, SSEC Tech Review 2008
- ❖ Paper titled A web-based Intelligent Tele- Diagnosis System for Pediatric care, SSEC Tech Review 2009
- ❖ Paper titled “ A framework for optimal service selection in service based architecture with multiple Qos classes, SSEC Tech Review 2011
- ❖ Paper titled “ A NOVEL APPROACH TO INFORMATION SECURITY USING SAFE EXCHNAGE OF DATA (SEED) , IJRET 2013.
- ❖ Paper titled “ A novel protocol analysis for Data consistency using Graph Theory in VANET MDDP , IJAIR, April 2014
- ❖ Paper titled “ Identifying clone attack in mobile sensor network using localized algorithm , IJAIR, April 2014.
- ❖ Paper titled “ Effective Resource Management in mobile cloud computing”, IJCESR, April 2015.
- ❖ Paper titled , “Guaranteed Upgradation of Intense Networks Using Probabilistic Graph Modeling (PGM)”, INTERNATIONAL JOURNAL OF SCIENCE AND INNOVATIVE ENGINEERING & TECHNOLOGY, MAY 2016 ISSUE VOLUME 1 ISBN 978-81-904760-8-9.
- ❖ Paper titled, “NextG Privacy [NP]-An Armament against Cyber Attacks”, Middle-East Journal of Scientific Research 24 (S1): 388-392, 2016 ISSN 1990-9233 © IDOSI Publications, 2016 DOI: 10.5829/idosi.mejsr.2016.24.S1.74
- ❖ **V.Kavitha**, Dr.P.Shanmugapriya, “A survey on Change Management in Service Based system using SOA, Advances in Natural and Applied Sciences ISSN:1995-0772,EISSN:1998-1090,Oct 2016, special 10(14);pages-16-23.
- ❖ **V.Kavitha**, Dr.P.Shanmugapriya, “A survey on Managing changes in Service Based systems, **International Journal of Control Theory and Applications (ISSN: 09745572). – Annexure – II and Scopus Indexed(ACCEPTED FOR DECEMBER 2016).**
- **V.Kavitha**. Ishhwarya.K,Jayashree.J.K,Nivia.S , “Automatic Toll Payment With Vocatus Detection Using Li-Fi “ International Journal of Advanced Research in Computer Science and Software Engineering (ISSN: 2277 128X) – **Indexed by Google scholar, Scribd, citeseer x.**
- **Kavitha.V**, .P.Shanmugapriya, **2017 ,” Business Process Management system using SOA”, Advances in Computational Sciences and Technology ISSN 0973-6107 Volume 10, Number 5 (2017) pp. 1457-1462 © Research India Publications , indexed in ICI, ANNEXURE – II, UGC LIST**
- **A Preset Colored Petri-net based Approach for Change Management in Service Based Business Process V. Kavitha, Asst. Prof, Dept. of CSE, Sri Sai Ram Engineering College. Research Scholar, SCSVMV University. Dr.P. Shanmugapriya, Assoc. Prof, SCSVMV University, Kanchipuram, Tamil Nadu, India. ISSN 1943-023X, Jour of Adv Research in Dynamical & Control Systems, 15-Special Issue, October 2017**
- ❖ **Service based collaborative framework for smart gardening**, International Journal of Engineering & Technology, 7 (2.33) (June 2018) 588-590 .Scopus indexed.

❖ AI-Based Enhancement of Base Station Handover , ELSEVIER, PROCEEDIA COMPUTER SCIENCE Dec 2019 , January 2019, [Procedia Computer Science](https://doi.org/10.1016/j.procs.2020.01.025) 165:717-723, DOI: [10.1016/j.procs.2020.01.025](https://doi.org/10.1016/j.procs.2020.01.025), PP 717-723– SCOPUS & WOS.

❖ Change Management Based on Eccentricity Factor, INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING (UGC), IJRECE VOL. 7 ISSUE 2 (APRIL-JUNE 2019), ISSN: 2393-9028 (PRINT) | ISSN: 2348-2281 (ONLINE)

❖ Data Capture from Medical Device using Augmented Reality , International Journal of Engineering and Advanced Technology (IJEAT) (SCOPUS)
ISSN: 2249 – 8958, Volume-9 Issue-1S, October 2019, DOI:10.35940/ijeat.A1038.1091S19, PP 213-216.

❖ A Framework for Estimating Dependency based on Eccentricity, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-1S, October 2019 , DOI:10.35940/ijeat.A1007.1091S19 PP 38-40 .(SCOPUS)

❖ Development of an IoT-Based Bridge Safety Monitoring System, International Journal of Engineering Research in Computer Science and Engineering VOL 6, ISSUE 7 JULY 2019, ISSN (INLINE0 2394 – 2320.) PP 83-85

❖ DEVELOPMENT OF AN IOT-BASED BRIDGE SAFETY MONITORING SYSTEM, The International journal of analytical and experimental modal analysis, ISSN NO: 0886-9367, Volume 1, Issue 1, July-December-2019 PP 33- 36

❖ DEVELOPMENT OF AN IOT-BASED BRIDGE SAFETY MONITORING SYSTEM, Parishodh Journal, ISSN NO: 2347-6648, Volume VIII, Issue VIII, August-2019 PP 33-35