Dr. O. OBULESU B..Tech., M.Tech, Ph.D.
Associate Professor, Department of Computer Science & Engineering
G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)
Shaikpet, Hyderabad - 500104, Telangana

Subject	:	Computer Science and Engineering
Specialization	:	Data Science & Machine Learning

1.	Father's Name	:	Sri O.Chinna Obanna (Late)
2.	Date of Birth	:	10-05-1984
3.	Gender	:	Male
4.	Marital Status	:	Married
5.	Address for communication	:	Dr.O.Obulesu, D/No:7/1907 Sanjeeva Nagar, Proddatur, YSR Kadapa (Dt), A.P.- 516361
6.	Telephone Number	:	9100413469/6281808048
7.	E-mail	:	obulesh194@gnits.ac.in,obulesh194@gmail.com

EDUCATIONAL QUALIFICATIONS:

S. NO	QUALIFICATION	YEAR OF COMPLETION	SPECIALIZATION	UNIVERSITY/COLLEGE
1	Ph.D.	2017	CSE	JNTUA, Anantapuramu, Andhrapradesh
2	M.Tech.	2008	CSE	JNTU, Hyderabad, Telangana.
3	B.Tech.	2005	CSE	S.V.University College of Engineering, Tirupati, Andhrapradesh

Gate Rank : 2653 (In 2006)

Subjects Taught : 16 (UG Level), 04 (PG Level)

Professional Memberships : I1501672 (LMCSI), 131827 (MIAENG),A7286(MISCA), 2167055 (MACM)

UG & PG Projects Guided : 31

Post Ph.D. Work Summary: Best Professor Award, Scopus/SCIE Papers: 07 (Total:13)
Book Chapters: 01, Reviewer: 05 (IEEE TNNLS, CHSN-2020)
R & D Proposals Submitted: 09, Patents Published: 03
Ph.D. Guidance: 02, Guest Lectures Delivered: 13
Ratified by JNTUH in Dec, 2020 (Asst. Professor with Ph.D)
External BoS expert at NBKRIST (Autonomous), Nellore
One/Two Week FDPs Attended: 11, Certifications: 07

Teaching Experience: 14 Years

S.No.	Organization	Position	From	To	No.of Years
1.	Narayanamma Institute of Technology & Science, Hyderabad (Autonomous)	Associate Professor	February, 2021	Till Date	1.5
2.	Gates Institute of Technology, Gooty, Anantapur (Dt), A.P.	Professor	August, 2020	January, 2021	0.5
3.	Malla Reddy Engineering College (Autonomous), Secunderabad	Professor	August, 2019	July, 2020	01
4.	Sree Vidyanikethan Engineering College (Autonomous), Tirupati	Associate Professor	July, 2009	July, 2019	10
5.	Vardhaman College of Engineering (Autonomous), Hyderabad	Assistant professor	July, 2008	June 2009	01
				TOTAL	**14**

ACHIEVEMENTS

❖ Acting as a Reviewer for the Journal **"IEEE Transactions on Neural Networks and Learning Systems"** w.e.f. 06-12-2019.

❖ Guiding 2 Ph.D. Scholars at K.L.University, Vijayawada, A.P.

❖ Total number of Scopus and WoS indexed Journals &Conferences:13

❖ Reviewer for various reputed conferences (CHSN-20, ICACECS-21, ICDIC-21, ICAMS-21)

❖ Awarded with B. Gopal Gold Medal in M.Tech. (CSE) for 2006-08 Batch

❖ Received Best Paper award in a National Conference at SRM University, Chennai in February, 2014.

❖ Awarded with "Uthama Acharya Puraskar" A National Award for impact creators in Engineering Education in Commemoration of 150th Birth Anniversary Celebrations of Mahatma Gandhi at V.R. Siddartha Engineering College, Vijayawada on 02-10-2019.

❖ Ratified as Assistant Professor (With Ph.D.) in the Department of CSE, MREC (Autonomous) by JNTUH, Hyderabad on 11-12-2019.

❖ Ratified as Assistant Professor in the Department of IT by JNTUA, Anantapuramu during 23-25 February, 2013.

❖ Acted as Research Coordinator for Data Analytics Research Center at SVEC, Tirupati.

❖ Acting as External BoS expert member for Artificial Intelligence & Data Science programme w.e.f. 11-09-2020 at NBKR Institute of Science & Technology (Autonomous), Nellore (Dt), A.P.

❖ Published a **book chapter** entitled "Machine Learning Techniques and Tools: Merits and Demerits" in a book titled "New Age Analytics Transforming the Internet through Machine Learning, IoT, and Trust Modeling", May, 2020, Hard ISBN: 9781771888752. (https://doi.org/10.1201/9781003007210)

R&D Proposals submitted to UGC/DST/AICTE and Other Funding Agencies: 08

S. No.	Date Applied	Reference No.	Title of the Project	Funding Agency	Amount (Lakhs)
1.	26-07-2019	SSY/2019/0 0 0664	Two Day National Level Workshop on "Data Science"	DST-SERB	2.00
2.	14-02-2019	DST/ICPS/ SCST/ 2019/326	Three Day National Level Workshop on "Research Challenges & Applications of Machine Learning and Deep Learning"	DST-ICPS	6.0
3.	18-01-2019	Offline submission	Data Analytics and Machine Learning Techniques & Tools	UGC Seminar Grant, Hyderabad	1.11
4.	20-06-2018	CRG/2018/ 000268/EE C (Ver-1)	Analytical Methods for Prediabetes Information Investigation System	DST-SERB (CRG)	10.0
5.	24-07-2012	Pid: 201	Hiding Constricted Maximal Periodic Patterns in GIS	DRDO-ARDB	5.0
6.	30-11-2019	TPN/46206	Three Day National Level Workshop on "Data Science, Big Data and Predictive Analytics"	DST-ICPS	5.5
7	05-11-2020	TPN/57266	Smart Waste Treatment System using AI and IoT Technologies	DST-WMTP	10.6
8.	05-03-2021	CRG/2021/000970	A Data Driven Framework for Diabetes Prediction by using Data Science Models	DST-SERB (CRG)	10.0

Research projects sanctioned: 02

Sl. No.	Title of the Project	Funding Agency	Year of Sanction	Amount (Lakhs)
1.	Early Detection of Lung Cancer Disease using Deep Learning Techniques	SVET	2019-20	0.2
2.	Prediabetes Information Investigation System by using Analytical Methods on Existing Datasets	SVET	2018-19	0.5

NPTEL/IBM Certifications: 08

Sl. No.	Title of the Course	Duration	Status	Grade
1	Data Mining (8 Weeks)	Feb-Mar, 2018	Completed (NPTEL18CS14S4910111)	Elite (70%)
2	Data Science for Engineers (8 Weeks)	Jan-Mar, 2019	Completed (NPTEL19CS13S11900295)	55%
3	Compiler Design (12 Weeks)	Jan-Apr, 2019	Completed (NPTEL19CS01S42180030)	Elite (70%)
4	Introduction to Automata, Languages and Automation (12 Weeks)	Jan-Apr, 2019	Completed (NPTEL19MA15S32180026)	Elite (71%)
5	Python for Data Science (4 Weeks)	November, 2019	Completed (NPTEL19CS59S41472600)	Silver (76%)
6	Introduction to Machine Learning (8 Weeks)	July-Sep, 2021	Completed (NPTEL21CS85S13580214)	Elite (62%)
7	Python101 for Data Science	Oct, 2020	Completed (IBM)	90%
8	Fundamentals of Deep Learning	2021	Issued from Deep Learning Institute, NVIDIA	--

Patents Filed/Published/Granted: 04

S. No.	Title of the Invention	Application Id	Date
1.	Method of Load distribution balancing for FoG Cloud Computing in IoT environment	201941044511 (National)	03-11-2019
2.	Real Time Crop Monitoring Using Internet of-Things (IoT) Based Precision Agriculture	202041004551 (National)	01-02-2020
3.	A Classifier for Attack Detection in Cloud Environment and Data Computing for Smart Cities and Smart Healthcare System Using Internet-of-Things **(Australian Patent)**	2021101959 (International)	19-05-2021
4.	IoT enabled secure smart city application **(Copy Right, Government of India)**	L-105142/2021 (National)	06-07-2021

RESULTS AND FEEDBACK OF SUBJECTS TAUGUT

Academic year	Exam Results				Student Feedback			
	I Semester		II Semester		I Semester		II Semester	
	Subject1	Subject2	Subject 1	Subject2	Subject 1	Subject 2	Subject 1	Subject2
2021-22	DBMS	DBMS lab	DBMS	DBMS lab	DBMS	DBMS lab	DBMS	DBMS lab
2020-21	DT	PP	DBMS	DBMS lab	DT	PP	DBMS	DBMS lab
	--	--	89%	--	--	--	78%	--

Year								
2019-20	CD	SADP	DBMS		CD	SADP	DBMS	
	--	100 %	--		85.18	--	--	
2018-19	PIC	CD	DWDM	SE	PIC	CD	DWDM	SE
	91.66%	98.21%	91.07	89.28	71.87%	80.68%	--	--
2017-18	PIC	TOC	**SPM**	DWDM	PIC	TOC	SPM	DWDM
	92.30%	89.09%	**100.00**	98.18	76.50%	78.38%	81.03%	72.48%
2016-17	--	--	DWDM	IRS	--	--	DWDM	IRS
	--	--	**100%**	98.5%	--	--	76.50	78.57
2015-16	**SPM**	PCDS	DWDM	--	SPM	PCDS	DWDM	--
	100%	89.47	93.02	--	76.13	74.76	77.39	--
2014-15	DBMS	--	TOC	SPPM	DBMS	--	TOC	SPPM
	97.05%	--	--	100%	88.82%	--	--	--
2013-14	**SQAT**	CC	DWDM	TOC	SQAT	CC	DWDM	TOC
	100%	98.36%	96.87%	84.31%	97.60%	96.90%	89.98%	74.07%
2012-13	**SQAT**	**ST**	DWDM	CC	SQAT	ST	DWDM	CC
	100%	**100%**	96.50%	96.45%	89.45%	74.68%	94.90%	--
2011-12	**SQAT**	SPM	DPN	DWDM	SQAT	SPM	DPN	DWDM
	100%	98.47%	96.77%	85.71%	88%	82.12%	---	88.47%
2010-11	SPM	**SQAT**	**DPN**	DBMS	SPM	SQAT	DPN	DBMS
	90.32%	**100%**	**100%**	87.75%	61.48%	82.25%	---	77%
2009-10	SPM	**SPM**	DDB	DBMS	SPM	SPM	DDB	DBMS
	98.51%	**100%**	97.10%	87.67%	59.64%	87.78%	---	80.82%
2008-09	SE	DWDM	DMS	SPM	SE	DWDM	DMS	SPM

GUEST LECTURES/EXPERT LECTURES/SEMINARS DELIVERED

S.No.	Title of the Topic/Area	Duration & Target Audience	Date	Host Institution	Type
1.	Data Mining Techniques through WEKA 3.7.5	One Day & Students of III, IV B.Tech. CSE &IT	13-10-2012	Vemu Institute of Technology, Chittoor.	Seminar
2.	Data Mining Techniques using Weka & R	02 Days & Faculty of CSE,IT,MCA	03-10-2013 To 04-10-2013	SreeVidyanikethan Engineering College, Tirupati	Two Day FDP on Data Mining Tools & Techniques
3.	Big Data: Technologies and Challenges	01 Day & Faculty of CSE, IT,MCA	12-10-2013	SreeVidyanikethan Engineering College, Tirupati	TEQIP Seminar
4.	Automated Testing using QTP 10.0	01 Day & Faculty of CSE, IT, MCA	26-10-2013	SreeVidyanikethan Engineering College, Tirupati	TEQIP Seminar
5.	Big Data Analytics	01 Day & II/III B,Tech Students	22-09-2017	Sri Padmavathi MahilaViswavid yalayam, Tirupati	ASPIRE-2017 (Technical Symposium)

6.	Manual Vs Automated Testing and Test Case Design	01 Day & III IT Students	12-10-2017	SreeVidyanikethan Engineering College, Tirupati	Two Day SDP on Open Source Tools
7.	Basics of R Tool	01 Day & III IT Students	16-10-2017	SreeVidyanikethan Engineering College, Tirupati	Two Day SDP on Cloud and Data Analytics
8.	Statistical analysis and Data visualization using R-Studio	02 Days (Faculty)	5-6 December, 2018	SreeVidyanikethan Engineering College, Tirupati	One Week FDP on "FOSS"
9.	PL/SQL Programming	01 Day (Staff)	23-11-2018	SreeVidyanikethan Engineering College, Tirupati	One Week STP on "Oracle SQL & PL/SQL"
10.	Transaction Management concepts	01 day (Students)	04-10-2018	Narayana Engineering College, Gudur	Expert Lecture
11.	Machine Learning Techniques & Tools	01 Day I, II, III B.Tech. Students	26-02-2018	Park College of Engineering & Technology, Coimbatore	One Day National Level Workshop
12.	Data Analytics using R	01 Day Faculty	20-06-2018	SreeVidyaniket han Engineering College, Tirupati	One Week FDP on "Data Science"
13.	Exploration of R Language	01 Day Faculty	13-09-2019	NBKR Institute of Science & Technology, Nellore	Two Week AICTE FDP on "Data Science & Big Data Analytics"
14.	Research Methodology: Technical Paper Writing	01 Day Faculty of CSE, IT	18-10-2019	Malla Reddy Engineering College (A), Secunderabad	One Day Seminar
15.	Research Methodology in Computer Science	01 Day Faculty of CSE, IT	03-12-2019	Malla Reddy Engineering College (A), Secunderabad	One Week STTP on "Research Methodology in Engineering and technical Paper

					Writing using LaTeX
16.	Business Analytics using R Tool	01 Day Students of MBA (I & II Year)	21-12-2019	Malla Reddy Engineering College (A), Secunderabad	One Day Workshop on "Business Analytics"
17.	Data Analytics using R	01 Day Students of MBA (I & II Year)	11-11-2020	Malla Reddy Engineering College (A), Secunderabad	Five Days FDP on Data Analytics In Management Research
18.	Fundamentals of Python Programming	01 Week III B.Tech. students	14-12-20 To 19-12-20	GATES Institute of Technology, Gooty	Skill Development program
19.	Data Science Applications using R & Python	02 Days Faculty	14-06-2021 To 15-06-2021	SreeVidyanikethan Engineering College, Tirupati	One Week FDP on Data Science & ML Applications in Engineering
20	Data Analytics using R	02 Days	21st & 23rd February, 2022	Narayana Engineering College, Nellore	One Week National Level FDP on Statistical Analysis & Techniques using R

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. Mr.O.Obulesu and Dr. A.Rama Mohan Reddy, "Finding Frequent and Maximal Periodic Patterns in Spatiotemporal Databases towards Big Data", International Journal of Data Mining and Knowledge Engineering, 6 (5), 2014, P.No's: 224-232, ISSN No: 0974 – 9683. (IF:0.621)

2. Mr.O.Obulesu and Dr.A.Rama Mohan Reddy, "Finding Maximal Periodic Patterns and Pruning Strategy in Spatiotemporal Databases", International Journal of Advanced Research inComputerScienceandSoftwareEngineering,2(4),2012,ISSN:2277-128X,P.No's:88-93.   (Impact Factor:2.080)

3. Mr.O.Obulesu and Dr.A.Rama Mohan Reddy, "Effective Sequential Pattern Mining in Fewer Levels of Recursion", International Journal of Computer Science & Information Technology), 2 (1), 2012, ISSN No: 2231-2471, P.No's1-9.

4. Mr. K. Ramana and Mr.O.Obulesu, "Performance Analysis of Load Balancing Techniques for Web Server Systems", International Journal of Advanced Research in Technology, 1(1), 2011, ISSN: 6602-3127, P. No's:33-37.

5. Mr.A.Srinivasulu, Mr.O.Obulesu, "Finding the number of clusters in unlabeled datasets using Extended Cluster Count Extraction(ECCE)", International Journal of Computer Science and Information Technologies, 2(4), 2011,P.No's: 1820-1824,ISSN:0975-9646.

6. Mr.A.Srinivasulu, Mr.O.Obulesu, "A Comparative study of clustering in unlabeled datasets using EDBE and ECCE", International Journal of Computer Science and Information Technologies, 2(4), 2011, P.No's: 1825-1831, ISSN:0975-9646.

7. Mr.P.Rama Rao, Mr.O.Obulesu, "Secure Employee Information System to Manage Integrated Network Services", International Journal of Computer Science and Information Technologies, 2(6), 2011, 2590-2595, ISSN:0975-9646.

8. Mr.K.Suresh and Mr.O.Obulesu, "DQSU: Design of Quality of Service using Distributed Model", International Journal of Entrepreneurship and Business Environment perspectives", ISSN: 2279-0926, 3(1),2014.

9. Mr.O.Obulesu and Dr. A. Rama Mohan Reddy, "A Comparative study of frequent and maximal periodic pattern mining algorithms in Spatiotemporal Databases", Materials Science and Engineering", 225, 012066, Page No's: 1-8, 2017, **DOI:** 0.1088/1757-899X/225/1/012066, ISSN: 1757-899X. (**Scopus** Indexed Journal)

10. Mr. Ramasamy V and Gomathy B and Dr.O.Obulesu, "Contributions of Machine Learning Algorithms for Diabetes Prediction - A Survey", Journal of Advanced Research in Dynamical and Control Systems", ISSN No: 1943-023X, Page No's: 650-656, 2018, Issue: 10-Special Issue (**Scopus** Indexed Journal)

11. O Obulesu, Kallam Suresh, M Mahendra, M. Rajasekhara Babu, "Energy Saving using Green Computing Approach for Internet of Thing (IoT) based Tiny Level Computational Devices", Recent Advances in Computer Science and Communications, ISSN: 2666-2566, P.No's: 1253-1263, Volume.13, Issue: 6, March, 2021 (**Scopus Indexed Journal**)

12. Dr. O. Obulesu and Dr. K. Suresh and B.V. Ramudu, "Diabetes Prediction using Machine Learning Techniques", Helix (2020) 10 (2): 136-142, ISSN: 2319-5592. (**WoS** Indexed)

13. Obulesu O, Suresh K, Gaurav D, Rizwan Patan, Ramana K, Yaswanth R, Sandeep K, "Adaptive Diagnosis of Lung Cancer by Deep Learning Classification using Wilcoxon Gain and Generator", Journal of Healthcare Engineering (**SCI & Scopus Indexed**), 13th October, 2021, Vol. 2021, Page No's: 1-13, DOI: https://doi.org/10.1155/2021/5912051

14. Obulesu O, Suresh K, K.S.Ramana, K.B.Chowdappa and Deena Babu M, "Deep convolution Neural Networks learned image classification for early cancer detection using Lightweight", Springer Soft Computing Journal (**SCI & Scopus Indexed**), Accepted on 3rd December, 2021 (Waiting for online publication)

PAPERS PUBLISHED IN NATIONAL JOURNALS

1. Mr.A.Srinivasulu, Mr.O.Obulesu, "Finding the number of clusters in unlabeled datasets using Extended Dark Block Extraction (EDBE)", Cognizance Journal, A Peer Reviewed Quarterly National Journal ,Vol.1, Issue 1,Page No.41-45, July-2010 at Alhabeeb College of Engineering, Hyderabad.

2. Mr. O. Obulesu, Dr.A.Rama Mohan Reddy, "An Enhanced Tree Mining Algorithm for Finding Maximal Periodic Movements from Spatiotemporal Databases", Indian Journal of Science & Technology, 9(41), 2016, P. No's: 1-8, ISSN No: 0974-6846. (IF: 1.48, **Scopus** Indexed Journal)

PAPERS PRESENTED IN INTERNATIONAL & NATIONAL CONFERENCES

1. Mr. A. Srinivasulu, Mr.O.Obulesu, "Finding the number of clusters in unlabeled datasets using Extended Dark Block Extraction", A National Conference on Business, Engineering & Science(NCBES) 2010, Alhabeeb College of Engineering ,Hyderabad on 15th July 2010.

2. Mr.A.Srinivasulu, Mr.O.Obulesu, "Face Recognition Analysis with PCA and Cross-Correlation Technique", A National Conference on Computing and Communication Technologies (NC3T10) at Sri Padmavathi MahilaVisvavidyalayam, Tirupati during 6th-7th October2010.

3. Mr.A.Srinivasulu, Mr.O.Obulesu, "Face Recognition Analysis with Principal Component Analysis and Cross-Correlation Technique", (ICCET'10) 1st **International Conference** on Computer Engineering and Technology, JIET-Jodhpur, November 13-14,2010.

4. Mr.A.Srinivasulu, Mr.O.Obulesu, "Cluster the unlabeled datasets using Extended Dark Block Extraction" INCOCCI 2010, **International Conference** on Communication and Computational Intelligence at KEC, Erode, Tamilnadu, December 27-29, 2010. (Proceedings in **Scopus** Indexed)

5. Mr.O.Obulesu, A.Rama Mohan Reddy, "Query Indexing on Spatial Data in Peer to Peer Systems", A National Conference on High Performance Computing and Networking (HPCN-11) at Annamacharya Institute of Technology and Sciences, Rajampet during 13th and 14th August, 2011.

6. Mr.A.Srinivasulu, Mr.O.Obulesu, "Finding the Number of Clusters in Unlabeled Datasets using ECCE", A National Conference on High Performance Computing and Networking(HPCN-11) at Annamacharya Institute of Technology and Sciences, Rajampet during 13-14 August, 2011.

7. Mr.O.Obulesu, Dr.A.Rama Mohan Reddy, "Finding maximal periodic patterns and pruning strategy in Spatio-temporal databases", CSIR Sponsored New Advances in Computer & Communications (NACC)-2012, at MVJ College of Engineering, Bangalore during 10-11 May,2012.

8. Mr.O.Obulesu, Dr.A.Rama Mohan Reddy, "Iconic Web Page Retrieval System using Ontologies", A National Conference on Data Modeling, Image Analysis and Pattern Recognition (DMIAPR)-2011 at GITAM Institute of Technology, GITAM University during 30th September & 1st October, 2011.

9. Mr.O.Obulesu, Dr.A.Rama Mohan Reddy, "Designing a Classifier using unsupervised Learning and Rough Set Theory", A National Conference on Data Mining: Emerging Technologies at Vignan's Lara Institute of Technology & Science, Vadlamudi during 16th & 17th December, 2011.

10. Mr.O.Obulesu, Dr.A.Rama Mohan Reddy, "Query Indexing on Spatial Data in Peer to Peer Systems", A National Conference on Data Mining: Emerging Technologies at Vignan's Lara Institute of Technology & Science, Vadlamudi during 16th & 17th December, 2011.

11. Mr.N.Jaswanth and Mr.O.Obulesu "A Survey on Mitigations in secured cloud environments", A National Conference on Advances in Computer and Information Security at SreeVidyanikethan Engineering College, Tirupati during 12th & 13th July, 2012.

12. Mr.O.Obulesu and Dr.A.Rama Mohan Reddy, "Effective Sequential Pattern Mining in Fewer Levels of Recursion", A National Conference on Soft Computing and Knowledge Discovery (SCKD'12) at S.V.University, Tirupati during 19th- 21th January, 2012 (Page No. 188-194).

13. Mr.O.Obulesu, Dr.A.Rama Mohan Reddy and G.N.Vivekananda, "Query Indexing on Spatial Data in Peer to Peer Systems", Third **International Conference** on Sensors and Related Networks-SENNET12) at VIT University, Vellore during 19-21 January, 2012. Pp.253-255.

14. Mr.O.Obulesu and G.N.Vivekananda, "Amending Protection and Efficiency in Information Sharing", 32nd National Conference on Sensors and Related Networks (SENNET'12) at Vellore Institute of Technology, Vellore during 19th- 21th January, 2012 (Page No. 253-255).

15. Mr.O.Obulesu, Dr.A.Rama Mohan Reddy and S.Gowtham, "Finding Maximal Periodic Patterns in Spatiotemporal Databases", National Conference on Networking and Information Technology (N2IT) at Annamacharya Institute of Technology and Sciences, Rajampet during 12-13 October, 2012.

16. Mr.O.Obulesu, Dr.A.Rama Mohan Reddy and K.Suresh, "Finding Frequent and Maximal Periodic Patterns in Spatiotemporal Databases for Shifted Instances", **International Conference** on Emerging Trends in Electrical, Communication and Information Technologies (ICECIT-2012) at Srinivasa Ramanujan Institute of Technology, Anantapur during 21-23 December, 2012. (Proceedings Published in **ELSEVIER** Journal)

17. Mr.O.Obulesu, Dr.A.Rama Mohan Reddy , "Finding Frequent and Maximal Periodic Patterns in Spatiotemporal Databases towards Big Data", National Conference on Data Mining and Knowledge Engineering (NCDMKE-2014) at SRM University, Chennai during 17-18 February, 2014 (Proceedings Published in CiiTJournal)

18. Mr.O.Obulesu, Dr.A.Rama Mohan Reddy, "Mining Frequent and Maximal Periodic Patterns: Current Status and Future Directions", **International Conference** on "Statistics and Information Technology for a Growing Nation" (ISPS-2014) organized by Department of Statistics, Sri Venkateswara University, Tirupati during 30th Novemebr-2nd December, 2014. (Paper code: T28-SQC27)

19. Ms. Srilakshmi and Mr.O.Obulesu, "A Survey of Systematic approach for Knowledge Types in API Reference Documentation", Two Days National Conference on Advancements in computing methodologies (ACM'14) at Anna University Regional center, Coimbatore during 27-28 March, 2014.

20. Mr. O. Obulesu and Dr. A. Rama Mohan Reddy, "Fast and efficient frequent and maximal periodic pattern mining in Spatiotemporal Databases", 6th IEEE **International** Advanced Computing Conference (IACC 2016) organized by IEEE Computer Society, India at SRKR Engineering College during February 27-28, 2016, Page No.s: 35-39, DOI: 10.1109/IACC.2016.17. (Proceedings indexed in **Scopus**)

21. Mr. O. Obulesu and Ms. Sravani Bai, "Survey on Composing Heterogeneous SOA-Services using BPEL", 2nd **International** Conference on Electrical, Electronics & Computer Engineering -2016 organized by Vivekananda College of Engineering for Women, Tiruchengode, Tamilnadu, ISBN: 978-93-81830-95-6, Page No's : 486-494.

22. Mr. O. Obulesu and Ms. O. Gireesha, "TKAR: Efficient Mining of Top – k Association Rules on Real – life Datasets", 5th **International Conference** on Frontiers of Intelligent Computing: Theory and applications organized by KIIT University, Bhubaneswar, Odisha during September 16-17, 2016, (Proceedings in **Scopus** Indexed)

23. Mr. O. Obulesu, and Dr. A. Rama Mohan Reddy, "Mining frequent and maximal Periodic patterns: Current Status and Future Directions", Two Day National conference on Recent Innovations in Computer Networks at JNTUA, Ananthapuram during August 21-22, 2015, ISBN: 978-93-82570-53-0, Page No's: 95-100.

24. Mr. O. Obulesu and Ms. O. Gireesha "Mining Top-K Association rules on real-life datasets", One Day National conference on "Current Trends in Science and Technology" during May 08, 2016, at Tirupati, ISSN: 2395-7964, Page No's: 53-65.

25. Mr.O.Obulesu, Dr.A.Rama Mohan Reddy and Mahendra M, "A Comparative study of Frequent and Maximal Periodic Pattern Mining Algorithms in Spatiotemporal Databases", **International**

Conference on Advanced Material Technologies (ICAMT-2016) at Dadi Institute Engineering & Technology, Anakapalli, Visakhapatnam during 27-28 December, 2016. (Proceedings Published in "Materials Science and Engineering"- **Scopus** indexed Journal).

26. Dr.O.Obulesu, M. Mahendra and M. Thrilok Reddy, "Machine Learning Techniques and Tools: A Survey", Proceedings of the IEEE **International Conference** on Inventive Research in Computing Applications (ICIRCA 2018) at RVS College of Engineering & Technology, Coimbatore, Tamilnadu during 11-12 July, 2018, **IEEE** Xplore Compliant Part Number:CFP18N67-ART; ISBN:978-1-5386-2456-2, Page No's: 618-624, ISBN:978-1-5386-2456-2/18©2018 IEEE. (Proceedings in **Scopus** Indexed)

27. S. Abdul, Suresh Babu D and O. Obulesu, "Application of Big Data Analytics in Power System under Single Transmission Line Outage Condition", Proceedings of the 3rd **International** Conference on Trends in Electronics and Informatics at SCAD College of Engineering & Technology, Tirunelveli, during 23-25 April, 2019, **IEEE** Xplore Compliant Part Number: CFP19J32-DVD, ISBN:978-1-5386-9438-1, Page No's: 520-525 (**Scopus** Indexed)

28. Dr. O. Obulesu and Dr. K. Suresh and B.V. Ramudu, "Diabetes Prediction using Machine Learning Techniques", International Conference on Smart Computing and Control of Systems (ICSCCS 2019) at Sree VidyanikethanEngineering College (Autonomous), Tirupati during 17-19 October, 2019. (Proceedings in WoS Indexed Journal (Helix) in April, 2020)

29. Mr. N. Venkateswarulu and Dr.O.Obulesu, "The Adaptive Strategies Improving Digital Twin Using the Internet of Things", International Conference on Data Science, Intelligent Computing and Cyber Security (ICDIC-2021) at Sree Vidyanikethan Engineering College (Autonomous), Tirupati during 29-30 December, 2021. (Proceedings in Scopus Indexed Springer SIST Series in 2022)

WORKSHOPS/SEMINARS/REFRESHER COURSES ATTENDED

1. Three Day National Workshop on "Business Intelligence: Tools and Techniques" at National Institute of Technology, Warangal during 28-30 January, 2008.

2. One Day National Level Workshop on "Automation of Software Testing Using WinRunner" at Madanapalle Institute of Technology and Science, Madanapalle on 12th March, 2010.

3. National Level Seminar on "Intelligent Computing: Data and Information Processing Techniques" at Vellore Institute of Technology, Vellore on 30th July, 2011.

4. One Day National Level Hands-on-Training on "Ontology and Knowledge Engineering Tools (OKET)" at Kongu Engineering College, Erode on 3rdSeptember, 2011.

5. Two Day Workshop on Cloud Computing Organized by Department of IT at SreeVidyanikethan Engineering College, Tirupati during September 9-10, 2011.

6. One Day National Level Workshop on "Research Trends in Data Mining" at Madanapalle Institute of Technology and Science, Madanapalle on 14thOctober,2011.

7. Two Day Faculty Development Programme on "Data Mining Techniques through WEKA" at SreeVidyanikethan Engineering College, Tirupati during 09-10 December,2011.

8. Three Day National Level Workshop on "Software Testing and Test Automation using QTP 9.2" at M.S.Ramaiah Institute of Technology, Bangalore during 09-11 February,2012.
   (Under TEQIP-II)

9. Two Day National Level Workshop on "Pursuing Effective Research in Computer and Communication Engineering" at Knowledge Institute of Technology, Salem during 01-02 June, 2012.

10. One Week International Workshop on "Research Methodology" at Madanapalle Institute of Technology & Science, Madanapalle from 11th-15thJune, 2012.

11. One Day Seminar on "Research Methodology" organized by Department of CSE, Coimbatore Institute of Engineering & Technology, Coimbatore on August 14, 2012.

12. Two Day Workshop on "Principles and Practices of Knowledge Discovery in Database" organized by Department of CSE, Anna University, Chennai during September 14-15,2012.

13. Two Day National Workshop on "Research Methodology" organized by Department of CSE, Sri Venkateswara University College of Engineering, Tirupati during September 29-30, 2012.

14. One Day Seminar on "Virtualization and Cloud Computing" organized by Department of IT, SreeVidyanikethan Engineering College (Autonomous), Tirupati on 19thOctober, 2012.

15. One Day Workshop on "Big Data Analytics and Quality Assurance" organized by SITE, VIT University, Vellore on 3rdNovember, 2012 under TEQIP-II.

16. One Day workshop on "Design and Architecture of ETL" organized by Department of MCA, SreeVidyanikethan Engineering College(Autonomous), Tirupati on 17thNovember,2012.

17. Three Day FDP on "Automation of Software Testing & Quality Assurance" organized by Department of CSE, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 19-21 December, 2012.

18. Two Day Workshop on "Network Simulation using NS2" organized by Department of IT, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 14-15 December, 2012.

19. Two Day FDP on "Research Document Preparation using LATEX" organized by Department of IT, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 18-19 January, 2013.

20. Three Day FDP on "Recent Trends and Research Perspective in Data Warehousing and Data Mining" organized by Department of CSE, SreeVidyanikethan Engineering College (Autonomous), Tirupati from 30-03-13 to 01-04-13.

21. Four Day STTP on "Remote Sensing & GIS Applications in Earth Sciences" organized by Department of Geology and Computer Science, Sri Venkateswara University , Tirupati during March 23-26, 2013.

22. Three Day Workshop on "Research Methodology in Computer Science" organized by Department of IT, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 28-30 June, 2013.

23. Two Day FDP on "High Performance Computing" organized by Department of CSSE, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 30-31 August, 2013.

24. Two Day FDP on "Big Data: Challenges" organized by Department of CSE, Kakatiya Institute of Technology & Science, Warangal during 06-07 September, 2013 under TEQIP-II.

25. One Day Workshop on "QTP: Software Testing Tool" organized by SITE, VIT University, Vellore on 21st September, 2013.

26. One Day National Workshop on "Rapid Miner: A Data Mining Tool" organized by SCSE, VIT University, Chennai Campus on 5th October, 2013.

27. One Day National Level Seminar on "Research Issues on Semantic Web Technologies" organized by SCSE, VIT University, Chennai on 22nd February, 2013 under TEQIP-II.

28. Five Day STTP on "Recent Advancements and Research Directions in Software Engineering (RAISE'13)" organized by Department of CSE, NITK, Surathkal during 10-14 June, 2013.

29. Two Day FDP on "Mobile Computing & Security Issues" organized by Department of IT, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 08-09 November, 2013.

30. Two Day FDP on "Knowledge Mining using SPSS Modeler & Weka" organized by Department of CSE, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 15-16 November, 2013.

31. Two Day National Level FDP on "Research Perspectives and Challenges in Database Security" organized by Department of CSE, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 02-03 December, 2013.

32. Two Day FDP on "Cyber Forensics & Network Security" organized by Department of CSSE, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 27-28 December,2013.

33. Three Day NASSCOM Train the Trainer Programme on "NASSCOM-FSIT: Technical Skills" organized by Department of CSE, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 06-08 January, 2014.

34. One Week MHRD & TEQIP Sponsored FDP on "Pattern Recognition and Machine Learning" organized by Department of CSE @NIT, Calicut, Kerala during 23-28 June, 2014.

35. One Day workshop on "Avoiding the risks of plagiarism in Research Publication" organized by CSI & IEEE Computer Society, Madras Chapter, Chennai on 3rd May, 2014.

36. One Day workshop on "Research Methods & Data Analysis using SPSS" organized by SCSI, VIT University, Vellore on September 13, 2014.

37. Four day National Workshop on "Big Data & Analytics" organized by Department of Statistics, S.V.University, Tirupati during 27-30 November, 2014.

38. Two-day Faculty Development Program on "Recent Trends and Research Perspectives in Data Warehousing & Mining" organized by Department of CSE, SVEC, Tirupati during 07-08 November, 2014

39. One Day workshop on "Advanced Algorithmic Techniques" organized by SCSI, VIT University, Vellore on April 11th, 2013.

40. One Day national workshop on "Big Data in Life Sciences(BigLSW'14)" organized by C-DAC Bangalore and CRRAIMSCS on 15 December, 2014 at C-DAC, Bangalore.

41. Three Day National Level workshop on "Cloud computing in Academics and Research" organized by Department of CSE, JNTUACE, Pulivendula during 04-06 April, 2014.

42. Two Day National Workshop on "Big Data: Challenges & Applications" organized by Department of CSE, AITS, Tirupati during 29-30 March, 2014.

43. Two Day Faculty Development Programme on "Advances in Service Oriented Architecture and Web Services-Issues & Challenges" organized by Department of IT, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 01-02 March, 2014.

44. Two Week ISTE Workshop on "Database Management Systems" organized by IIT, Bombay from 21st to 31st May, 2013 at S.V.U.College of Engineering, Tirupati.

45. Two Day Faculty Development Programme on "Wireless Sensor Networks - Applications and Challenges" organized by Department of IT, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 20-21 April, 2013.

46. Two Day Workshop on "Android Applications" organized by IDS, Pvt Ltd, Bangalore at SreeVidyanikethan Engineering College (Autonomous), Tirupati during 15-16 March, 2013.

47. Two Day International seminar on "Advanced Modeling of Industrial Processes and Optimal Control" organized by Department of EIE, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 14-15 March, 2013.

48. Two Day Faculty Development Programme on "Wireless Networks and Simulation through NS2" organized by Department of CSE, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 08-09 March, 2013.

49. Two Day Faculty Development Programme on "Advances in Natural Language Processing" organized by Department of CSE, SreeVidyanikethan Engineering College (Autonomous), Tirupati during 01-02 March, 2013.

50. Completed the training in IBM Rational SEED for Quality Program in Rational Functional Tester & Rational Quality Manager Technologies at SVEC, Tirupati during 18-21 December, 2012.

51. DST Sponsored Ten Day Training Programme on "Big Data Analytics" organized by Kongu Engineering College, Erode, Tamilnadu during 6-17 June, 2016.

52. EICT & NITW Sponsored One Week FDP on "Machine Learning" organized by NITW at SreeVidyanikethan Engineering College, Tirupati, A.P. during 19-24 December, 2016

53. One Week FDP on "Cyber Security & Ethical Hacking" organized by Department of IT at SreeVidyanikethan Engineering College, Tirupati, A.P. during 26-30 December, 2016.

54. One Week FDP on "Teaching, Learning and Research" organized by Department of IT at SreeVidyanikethan Engineering College, Tirupati, A.P. during 20-24 June, 2017.

55. One Week FDP on "Data Analytics using R" organized by EICT Academy, NIT-Warangal and Department of IT at G. Narayanamma Institute of Technology & Sciences, Hyderabad, Telangana during 30th April - 05 May, 2018.

56. One Week workshop for "young faculty on Data Science" organized by Department of IT at SVEC, Tirupati, during 19-23 June, 2018.

57. One Week FDP on "Deep Learning" organized by E&ICT Academy, NIT-Warangal & Department of CSE, SVEC, Tirupati, during 20-25 May, 2019.

58. One Week FDP on "Advanced Python Programming" organized by Department of CSE, SVEC, Tirupati, during 5-9 August, 2019.

59. One Week AICTE STTP on "Block chain Technologies, Applications and Challenges" organized by Department of CSE, SVEC, Tirupati, during 19-24 August, 2019.

60. One Day Workshop on "R" organized by IIT, Bombay held at St Martin's Engineering Collge on 9th November, 2019.

61. Three Day AICTE FDP on "Python for Data Science" organized by IIT-Madras, NPTEL (Online) during August-September, 2019. (4 Weeks Course)

62. Four Days International Conference on Transformations in Engineering Education (ICTIEE-2020) during 5th -8th January, 2020 organized by Anurag Group of Institutions, Hyderabad collaborated with IUCEE organization.

63. One Week AICTE ATAL FDP on "Data Science" organized by Hindusthan College of Engineering And Technology, Coimbatore during 2nd - 6th November, 2020.

64. Two Weeks AICTE sponsored Faculty Development Program on "Data Science using Python" organized by Department of Information Technology, Shri Vishnu Engineering College for Women, Bhimavaram, A.P. held during 23-11-2020 to 05-12-2020.

65. One Week AICTE ATAL FDP on "Data Sciences" organized by University of Kashmir, Kashmir during 22nd - 26th February, 2021.

66. Two Day Online Workshop on "Role of Deep Learning in Interdisciplinary Research" organized by Department of MCA, Mepco Schlenk Engineering College, Sivakasi during 19-20 February, 2021.

67. One Week AICTE-ISTE sponsored Induction Program on "Advanced Training Program on Teaching" organized by Department of CSE, Malla Reddy Engineering College (Autonomous), Secunderabad, Telangana held during 09-02-2021 to 15-02-2021.

68. One Week International FDP on "Frontiers of Data Science in Trending Technologies" organized by MGIT, Hyderabad, Telangana during 09-05-2022 to 13-05-2022.

69. One Week ATAL FDP on "Internet of Things" organized by Sree Vidyanikethan Engineering College (Autonomous), Tirupati, A.P. during 25-10-2021 to 29-10-2021.

REFRESHER COURSES/ SEMINARS ATTENDED/CONDUCTED

1. Conducted and acted as a Resource Person for **a Seminar** on "Software Testing Tools" at Sree Vidyanikethan Engineering College, Tirupati on 13th March, 2010.

2. Conducted & Acted as a Resource Person for **One Day Workshop** on "Software Testing & Test Automation using QTP 9.2", Sree Vidyanikethan Engineering College, Tirupati on 9th March, 2012.

3. Attended a **One Day Refresher Course** on "Data Mining Techniques" Organized by Department of IT &CSE at Narayana Engineering College, Gudur on 19th February 2011.

4. Taught RDBMS Module for III B.Tech CSE & IT students in **Infosys Campus Connect Program** at SreeVidyanikethan Engineering College, Tirupati during January, 2012.

.

SEMINARS ORGANISED AS A PROGRAM COORDINATOR IN THE DEPARTMENT

- One Week FDP on "FOSS" during December 3-7,2018
- Two Day national level "Research Expo & Workshop" during January 21-22,2019.
- Two Day SDP on "Big Data Technologies" during December 14-15,2018.
- One Day Expert Lecture on "Web Testing Tools" on 29th July,2013.
- Two Day FDP on "Big Data: Technologies & Challenges" during 23-24 December,2013.
- Two Day Skill Development Programme on "Big Data Tools" during 3-4 April,2014.
- One Day expert Lecture on "Data Mining Techniques" on 9th March,2013.

OTHER ACADEMIC/DEPARTMENT ACTIVITIES

- College Level NBA Coordinator during the academic year 2019-20 at MREC, Secunderabad.

- Department level UGC Coordinator during the academic year 2019-20 at MREC, Secunderabad

- Associate Dean (NIRF Ranking) and Department UGC &PG Coordinator at MREC, Secunderabad.

- Research Coordinator for Data Analytics Research Center at SVEC, Tirupati, A.P. during 2018-19.

- Enforced Software Testing & Data Mining Tools for the UG & PG students.

- In-charge for R & D activities, Faculty Publications files at SVEC, Tirupati

- Class Teacher & Mentor for III IT-A & IV IT-B Students respectively during 2014-15.

- Prepared revised syllabus for IRS, TOC, DBMS, SPPM, DWDM, DDB, SQAT, ST, ITWS and SPM courses.

- Actively participating in FDPs & Workshops sponsored under TEQIP-II, SVEC.

- Effectively guiding UG & PG students to implement projects in data mining/Software testing areas.

- Acting as an internal member of BoS in IT& CSE Department at GNITS, Hyderabad.

- Actively participated in academic works such as NBA, NAAC, UGC-Autonomous activities.

- Acting as Project Coordinator for last two academic years at GNITS, Hyderabad

- College Level IBM Skills Academy program coordinator w.e.f. 17-06-2022 to till date.

(Dr. O.OBULESU)