MVSR Engineering College
Department of CSE
Research and Development

Academic Research

Academic Year	Conference			Journals	Books	Book Chapters	IPRs	
	National	International	Total				Patents	Copyrights
CAY (2017-18)	01	06	07	19	01	03	01	02
CAYm1 (2016-17)	04	08	12	21	NA	02	03	01
CAYm2 (2015-16)	11	18	29	20	03	NA	01	09
CAym3 (2014-15)	NA	03	03	06	NA	NA	NA	NA

Table.B.5.7 Summary of Faculty publications/Books/Book Chapters/IPRs

List of Conferences /Journals for CAY (2017-18)

S.No	Name Of The Author	Title Of The Conference/ Journal	ISSN No	Title of the paper	Date	National/ International
1	Dr. M.Hanumandlu	Journal Of Modern Physics Volume:8, PP-1557-1583	ISSN No: 2153-1196	Keystroke Dynamics based Authentication using Information sets	23/08/2017	International
2	Dr. M.Hanumandlu	Computational Intelligence and Virtual Environments for Measurement Systems and Applications (CIVEMSA), 2017 IEEE International Conference	ISSN NO: 2377-9322	Text-independent speaker recognition for Ambient Intelligence applications by using Information Set Features	31/7/ 2017	International
3	Dr. M.Hanumandlu	Journal Of Modern Physics	ISSN NO:	Keystroke Dynamics Based	19/01/2018	International

		Volume:9, PP-112-119	2513-1196	Authentication using Possibilistic Renyi Entropy Features and Composite Fuzzy Classifier		
4	Dr. M.Hanumandlu	SOFT COMPUTING Volume 21, Issue 17, pp 5133–5144	ISSN NO: 1432-7643 2016 Impact Factor : 2.472	Multimodal biometric system based on information set theory and refined scores	15/09/2017	International
5	Dr.Akhil khare	Ist National Conference on Trends in Science, Engineering & Technology, Matrusri Engineering College, Hyderabad, Page 87-91	ISBN: 97881-936274-0-2,	Improved Image Color Transformation for Colorblind Patients"	2nd-3rd, Feb., 2018	National
6	Dr .M.Upendra Kumar &A.V. Krishna Prasad	International Journal of Mathematics Trends and Technology.VOL:50,Pg:210-214	ISSN: 2231-5373	A Mathematical Computational Design Of Resource saving file management scheme for online video Provisioning on content delivery Network	4/10/ 2017	International
7	M.Anupama	Journal of Theoretical and Applied Information Technology.Vol:95, Pg:3783-3795.	ISSN: 1992-8645	An Optimal Key Management Technique for Secure Data Transmission in MANETS.	31/08/2017	International
8	G.Vijay Kumar	International Journal of Innovative Research in Science, Engineering and Technology. volume 6,Issue:12	ISSN:2347-6710	"Reducing Denial-Of- Service Attacks Using Software Puzzle"	15/12/2017	International
9	Dr Sesham Anand	International Journal of Engineering and Technical Research. Volume-7, Issue-11.	ISSN NO: 2454-4698	Energy Efficient Single Path with Multi Hop Routing Protocol	Nov 2017	International

				for Mobile Coordinated Wireless Sensor Networks		
10	B.Saritha	International Journal of Engineering Technology Science and Research.VOL:4, ISSUE:9	ISSN NO: 2394-3386	Classification Of Liver Data Using a New Algorithm	3/9/2017	International
11	B.Saritha	International Journal of Engineering Technology Science and Research VOL:4, ISSUE:9	ISSN NO: 2394-3386	Classification Of Diseased Plants using separation of point by planes	3/9/2017	International
12	MD. Abdul Azeem	International Journal of Engineering and Technical Research (IJETR). Volume-7, Issue-11	ISSN NO: 2454-4698	The Best Relay Selection Process using Cooperative MAC Protocol Design for Network Lifetime in MANETS	Nov 2017	International
13	MD. Abdul Azeem	International Journal Of Innovative Research in Technology. VOL:4,ISSUE:4	ISSN NO: 2349-6002	A Review On Secure Routing Protocol In WSN for IOT Applications	Sep 2017	International
14	Dr B.Sandhya & D.Sirisha	7th International Conference on Advances in Computing & Communications, ICACC-2017, 22-24 August 2017, Cochin, India	ISSN No: 1877-0509	Iterative Synthetic Aperture Radar Image Registration using View Synthesis (IIRVS)	22/08/2017	International
15	Dr B.Sandhya & D.Sirisha	7th International Conference on Advances in Computing & Communications, ICACC-2017, 22-24 August 2017, Cochin, India	ISSN No: 1877-0509	Bag-of-Spatial Words(BoSW)Framework for Predicting SAR Image Registration in Real Time Applications	22/08/2017	International
16	Dr B.Sandhya & D.Sirisha	International Conference on Pattern	NA	Adaptive TerraSAR-X Image Registration	01/11/2017	International

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		Recognition and Machine Intelligence		(AIR) Using Spatial Fisher Kernel Framework		
17	Dr B.Sandhya & D.Sirisha	Journal of Theoretical and Applied Information Technology Vol. 95. No. 14 – 2017	ISSN NO 1992-8645)	Guiding Feature Based Sar Image Alignment Using Bag Of Words Model	31/07/2017	International
18	Dr H.Jayasree & N.Sabitha	Indian Journal of Scientific Research	ISSN NO: 0976-2876	Secure Data Dissemination In Wireless Sensor Networks Using Enhanced Didrip	Jan 2018	International
19	Dr A.V.Krishna Prasad	International Journal of Mathematics Trends and Technology (IJMTT) – Volume 50 Number 4 .	ISSN:2231-5373,	A Mathematical Computational Design of Resource-Saving File Management Scheme for Online Video Provisioning on Content Delivery Networks	October 2017	International
20	Dr A.V.Krishna Prasad & D.Fatima	INT. JOURNAL OF ENGINEERING RESEARCH AND APPLICATION.	ISSN:2248-9622 4525	INTEGRATING WEKA INTO WEB APPLICATION: PREDICTING STUDENT'S PERFORMANCE ", ISSN:2248-9622 4525 (Dec 2017	December 2017	International
21	P.Subhashini	12th International Conference On Recent Trends In Engineering, Science and Management.Pg:393-399	ISBN No: 978-9386171-79-5	Securing Cloud Data Using Encryption Algorithms	19/11/2017	International
22	P.Subhashini	International Journal of Innovations & Advancement in Computer Science. Volume 6, Issue 11. pg:	ISSN NO: 2347 – 8616	Privacy and Security of Data in Cloud using Homomorphic Encryption	NOV 2017	International

S.No	Name	Journal	ISSN	Title	Date	Level
23	P.Subhashini	International Journal of Innovations & Advancement in Computer Science. Volume 6, Issue 12 pg:51-57	ISSN 2347 – 8616	Big Data: Security Aspects, New Challenges and Opportunities	Dec 2017	International
24	D.Sirisha	International Journal of Control Theory and Applications. (IJCTA). Vol.10 (2017). UGC SERIAL NO.: 2003	ISSN No: 0974-5572	Review of Feature Extraction Algorithms to Determine Suitable Detector/Descriptor for SAR Image Alignment.	June Edition 2017 (UGC Approved Journal)	International
25	D.Sirisha	Journal of Advanced Research in Dynamical and Control Systems.(JARDC)	ISSN No : 1943-023X	Performance Evaluation of Distance Metrics for TerraSAR-X Image Alignment	Aug:2017 (Scopus Indexed)- Journal	International
26	M.V.R.Jyothisree	International Journal of Engineering Research in Computer Science and Engineering. Vol 4, Issue 12,	ISSN NO: 2394-2320	Design and Implementation of 6lowpan Using Coap in Internet of Things	December 2017	International

Details of Books /Book Chapters published in CAY (2017-18)

S.No	Name Of The Authors	Title	Publisher	Book/Book Chapter	ISBN	Year
1	Dr.Akhil Khare	Internet Of Things For Smart Cities (Book Chapter chapter: 8 ,pg:96-112 in Exploring Convergence of Big Data and Internet Of Things)	IGI Global Publications	Book Chapter	9781-5225-29477	August 2017

S.No	Faculty Name	Title	Publisher	Type	ISBN	Date
2	Dr.Akhil Khare	Data Mining For The Internet Of Things (Book Chapter chapter13 pgs:118-191 in Exploring Convergence of Big Data and Internet Of Things)	IGI Global Publications	Book Chapter	9781-5225-29477	August 2017
3	Dr.A.V.Krishna Prasad	Exploring Convergence of Big Data and Internet Of Things	IGI Global Publications	Book	9781-5225-29477	August 2017
4	Dr.A.V.Krishna Prasad	Mining on Social Media (Book Chapter chapter:13 pgs: 206-222) in Web Data mining and the development of Knowledge based DSS	IGI Global Publications	Book Chapter	9781-5225-18778	2017

Details of Patents for CAY (2017-18)

S.No	Faculty Name	Diary Number	Submitted on	Class of Work	Title of Work	Status	ROC No
10	Dr.Akhil Khare	9509/2016-CO/L	09/08/2016	Literary	Pr-LAMP2C Methodology - Pre-Migration Legacy Application Migration Process to Cloud	Registered	L-66637/2017

Details of Copy Rights for CAY (2017-18)

S.No	Faculty Name	RocNo	Date	Diary No	Tittle Of Work	Category
1	Sujanavan Tiruvayipati	SW-9935/2018	09/01/2018	15578/2017-CO/SW	Sushi	Computer Software
2	Sujanavan Tiruvayipati	SW-9936/2018	09/01/2018	5579/2017-CO/SW	IDIoT	Computer Software

List of Conferences /Journals for CAYm1 (2016-17)

S.No	Name Of The Author	Title Of The Conference/Journal	ISSN No	Title Of The Paper	Date	National/ International
1	Dr. M.Hanumandlu	Springer	ISSN No : 0178-2789	An Evolutionary Learning based fuzzy theoretic approach for salient object detection	24/5/ 2017	International
2	Dr. M.Hanumandlu	Journal of Electrical Systems and Information Technology	ISSN No: 2314-7172	A new entropy function for feature extraction with the refined scores as a classifier for the unconstrained ear verification	May 2017	International
3	Dr. M.Hanumandlu	Journal of Electronic Imaging Volume25, Issue 6.Pages	ISSN NO: 061607-061607	Edge detection of digital color images using information sets	1/11/2016	International
4	Dr. M.Hanumandlu	The Imaging Science Journal Volume 64, 2016 - Issue 6	ISSN No: 1368-2199	Underexposed and overexposed color image enhancement using information set theory	25/08/2016	International
5	Dr. M.Hanumandlu	Pattern Recognition and image analysis, Volume 27, Issue 1, pp 82–93.	ISSN No: 1054-6618	Personal Identification Using the rank level fusion of finger knuckle prints	5/3/2017	International
6	Dr. M.Hanumandlu	Springer Knowledge And Information Systems	ISSN No: 0219-1377	Properties Of Information Sets and information processing with an application to face recognition	09/01/2017	International
7	Dr. M.Hanumandlu	Defense science Journal Volume:67,pp:66-73	ISSN No: 0011-748X	A Robust finger knuckle print authentication using topothesy and fractal dimension	22/12/2016	International
8	Dr. M.Hanumandlu	Applied Soft Computing 2017(53) pg:396-406	ISSN No: 1568-4946	Face Recognition Under pose and illumination variations using the combination of information set and PLPP features	13/01/2017	International

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9	Dr. M.Hanumandlu, T.sujanavan , Vikram Narayandas, T.Lakshmi	Computer Communication, Networking and Internet Security Proceedings of IC3T 2016	ISBN No: 978-981-10-3226-4	Anomaly Detection System in a Cluster Based MANET	03/05/2017	International
10	Dr. Akhil Khare	Proceedings of First International Conference on Information and Communication Technology for Intelligent Systems: Volume 1 pp 341-348	ISBN: 978-3-319-30932-3	Mathematical Treatment of ABC Framework for Requirements Prioritization	01/07/2016	International
11	Dr Akhil Khare	International Conference on Communication and Networks pp 591-600	ISBN: 978-981-10-2749-9	Comparison of ABC Framework with AHP, Wiegers Method, Cost-Value, Priority Groups for Requirements Prioritization	08/04/2017	International
12	Dr Akhil Khare	IUP Journal of Computer Sciences; Hyderabad Vol. 10, Issue. 4, PG: 52-63.	ISBN: 978-81-314-2793-4	An Analysis of Requirements Prioritization in Large, Medium and Small Software Organizations	Oct 2016	International
13	M.Anupama	International Journal of Engineering and Computer Science. Volume 6 Issue 4 April 2017, Page No. 20859-20867	ISSN No: 2319-7242	ECIES for group key establishment in WSNs	04/04/2017	International
14	G.Vijay Kumar	International Journal of Scientific Research and Engineering Studies (IJSRES) Volume 4 Issue 2	ISSN NO: 2349-8862	A Position Based Energy Efficient Clustering In WSN	Feb 2017	International
15	Sesham Anand	International Journal of Society Systems Science Vol :9	ISSN NO: 1756-2511	A Socioeconomic Status Dependent Case Study on Relevance and Frequency Enabled Trip Planning Model	Apr 2017	International
16	Sesham Anand	Journal Of Intelligence Systems VOL:4,ISSUE:4	ISSN NO: 0334-1860	An Extensive Review On Data Mining Methods and Clustering Models For	07/03/2017	International

				Intelligent Transportation System		
17	Sesham Anand	National Conference in Innovative Technologies in Big Data, Cloud, Mobile and Security PP:264-270	ISSN NO: 0334-1860	A KDD Framework for Multidimensional Home Interview Survey Data	16/12/2016	National
18	Sesham Anand	Journal of Intelligent Systems. PP.545-559	ISSN NO: 0334-1860	Relevance And Frequency Enabled Trip Planning Model Based On Socio –Economic Status	17/08/2016	International
19	Sesham Anand	International Journal Of Engineering And Computer Science Volume 6 Issue 4. Page No. 20813-20819	ISSN No: 2319-7242	Learning of RBF network by using Teaching-Learning Based Optimization (TLBO) Algorithm	04 /042017	International
20	B.Saritha & N.sabitha	International conference on Research Advancements in computer science and communication pp.056-062	ISSN No: 2319-3778	OPASS: An Improved User Authentication Method For Online Transaction	03/12/2016	International
21	MD. Abdul Azeem	International Journal Of Modern Trends In Engineering & Research. VOLUME:3,ISSUE:10,PG:293-309	ISSN NO: 2393-8161	Estimation Based Framework for Identifying Malicious Data Injections in Wireless Sensor Networks	12/10/2016	International
22	Dr B.Sandhya	IEEE 7th International Advance Computing Conference	ISBN No: 978-1-5090-1561-0	saliency Based Assessment of Videos from Frame-Wise Quality Measures	5/1/2017	International
23	Dr B.Sandhya	3rd International Conference on computing for sustainable global development	ISBN No: 978-1-4673-9417-8	Inclination from conventional image alignment techniques in remote sensing.	31/10/2016	International
24	Dr H.jayasree	Proceedings of the ACM Research 2016 Pages 121-125	ISBN: 978-1-4503-4278-0	Symposium on Women in Analytical Trends and Practices of Web Intelligence	March 21 - 22, 2016	National
25	D Haritha	National Conference on Advances in	ISSN No:	Clustering Text Documents in Hadoop Using K-Means	12/01/2016	National

		Information Technology. IT dept, MVSREC	2319-6890			
26	M.L.N Reddy	International Journal of Research in Computer applications and Robotics. Volume:4,Issue:9, Pgs: 6-12	ISSN No: 2320-7345	Inferring User Search Goals For A Query By Clustering The User Feedback Sessions	25/09/2016	International
27	K.Madhuri	IJMETMR Volume No: 3 Issue No: 9 Pages: 887-891	ISSN No: 2348-4845	Implementation Of Position Based Technique To Prevent Wormhole Attack In AODV Routing Protocol For MANET	Sep 2016	International
28	K.Madhuri	International Journal of Science and Innovative Engineering and Technology.Volume-6, Issue-2,	ISSN:2277-8160	Implementation Of Master Aodv using NS2 To Mitigate Grayhole Attack In Manet	Feb 2017	International
29	K.Madhuri	International Conference on ICT in Business Industry & Government (ICTBIG)	ISBN: 978-1-5090-5516-6	Performance Evaluation Of Aodv Under Blackhole Attack In Manet Using Ns2	06/04/2017	International
30	K.Madhuri	International Journal of Science and Innovative Engineering and Technology. ISSUE VOLUME 4	ISBN No: 978-81-904760-9-6	Master Aodv Algorithm To Mitigate Blackhole Attack In Manet	May 2017	International
31	M.V.R.Jyothisree	International Journal of Science and Innovative Engineering and Technology.2017 ISSUE VOLUME 4	ISBN No: 978-81-904760-9-6	Design Of Energy Efficient Onion Routing For Manets Using Aasr Protocol	May 2017	International
32	K.Kavihtha Lakshmi	National conference on current research advances in computer science	ISBN NO: 978-93523018 36	Semantic Sketch based Image Retrieval using BoVW	Mar 2017	National
33	K.KavK.Kavitha Lakshmi	International conference on recent engineering & technology 2017	ISBN No: 978-81-904760-9-6	Sokoban solver	7/04/2017	International

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Details of Books//Book chapters for CAYm1 (2016-17)

S.No	Name of The Author	Title	Publisher	Book/ Book Chapter	ISBN	Year
1	Dr.A.V.Krishna Prasad	Web Analytics for Web Site Quality Improvement (pages 276-294) chapter-11	Design Solutions for Improving Website Quality and Effectiveness IGI GLOBAL	Book Chapter	9781-4666-97652	2016
2	Dr.A.V.Krishna Prasad	Architecture for improving security in web environment chapter -13, pages:316-333 (Book Chapter)	Design Solutions for Improving Website Quality and Effectiveness	Book Chapter	9781-4666-97652	2016

Details of Patents for CAYm1 (2016-17)

S.No	Faculty Name	Registration Number	Date	Application Id	Title of Work	C.B.R. No.	Status
1	Dr.Akhil Khare	E-1/18305/2016-MUM	09/06/2016	201621019771	GMP-Generic Modelling And Profiling for O2RTCS	10015	Published Issue No-7/17 17/02/2017
		URL:: http://ipindiaonline.gov.in/patentsearch/GrantedSearch/viewdoc.aspx?id=s2A6i+x%2fjMabq5+c2vvxbQ%3d%3d&loc=vsnutRQWHdTHa1EUofPtPQ%3d%3d					
2	Dr.Akhil Khare	E-1/18931/2016-CHE (Form 2 :)	15/06/2016	201641020373	SARITA- the Coupling and Design Quality analyzer	13155	Published Issue No-14/17 07/04/2017
		E-1/4695/2017-CHE Form1: Complete Specification	09/02/2017	201741004653		5196	

		URL:: http://ipindiaonline.gov.in/patentsearch/GrantedSearch/viewdoc.aspx?id=7/ACW46k4 s0xYcgx++LE+g==&loc=vsnutRQWHdTHa1EUofPtPQ==					
3	Dr.Akhil Khare	TEMP/E1/ 26030/201 6CHE	09/08/2016	20164102715 4	PrLAMP2C PreMigration Analyzer	19733	Published Issue No-14/17 07/04/2017
		URL:: http://ipindiaonline.gov.in/patentsearch/GrantedSearch/viewdoc.aspx?id=tIAwNhP5l Ppjugc13jy9iw==&loc=vsnutRQWHdTHa1EUofPtPQ==					

Details of Copy rights for CAYm1 (2016-17)

S. No	Faculty Name	Diary Number	Submitted on	Class of Work	Title of Work	Status	ROC No
1	Dr.Akhil Khare	9509/2016-CO/L	09/08/2016	Literary	Pr-LAMP2C Methodology - Pre-Migration Legacy Application Migration Process to Cloud	Registered	L-66637/2017

List of Conferences /Journals for CAYm2 (2015-16)

S. No	Name of the Author	Title Of The Conference/ Journal	ISSN No	Title Of The Paper	Date	National/ International
1	Dr. M.Hanumandlu	Springer Volume 21, Issue 17, pp 5133–5144	ISSN NO: 1432-7643	Multimodal biometric system based on information set theory and refined services	10/03/2016	International
2	Dr. M.Hanumandlu	Elsevier, Neuro computing Volume 207, Pages 1-14	ISSN NO: 0925-2312	Information set based gait authentication system	21/02/2016	International
3	Dr. M.Hanumandlu	Elsevier, Optic. Volume 127, Issue 11, June 2016, Pages 4808-4814	ISSN NO: 0030-4026	IRIS based authentication using local principal independent components	19/01/2016	International

4	Dr. M.Hanumandlu	Trends in Bioinformatics Volume: 8	Issue: 3	Page No.: 75-85	ISSN NO: 1994-7941	Modified k-Tuple Method for the Construction of Phylogenetic Trees	Jul 2015	International
5	Dr. M.Hanumandlu	Elixir, Elec. Engg Volume 85,PP: 34538-34547	ISSN NO: 2229-712X	CAD system for segmentation and classification of mammograms	20/8/2015	International
6	Dr. M.Hanumandlu	Elsevier, Optik. Volume 126,PP: 3812–3822	ISSN NO: 0030-4026	Security of RGB image data by affine hill cipher over SLn(Fq)and Mn(Fq) domains with Arnoid transform	20/07/2015	International
7	Dr. M.Hanumandlu	Elsevier Pattern Recognition Letters. Volume 68, Part 2, 15 December 2015, Pages 336-342	ISSN NO: 0167-8655	Gait based authentication using gait information image features	11/06/2015	International
8	Dr. M.Hanumandlu	Elsevier, Applied Soft computing. Volume 31, Pages 1-13	ISSN NO: 1568-4946	Hybrid Fusion of Score Level and Adaptive Fuzzy Decision Level Fusions for the Finger Knuckle print Based Authentication	30/06/2015	International
9	Dr. M.Hanumandlu	Springer, Signal, Image and Video processing Volume 9, Issue 7, pp 1521–1530	ISSN NO: 1863-1703	Defection of defects in fabrics using Topothesy fractal dimension features	Oct 2015	International
10	Dr. M.Hanumandlu	International Journal of Database Theory and Application Vol.8, No.6 , pp.111-124	ISSN NO: 2005-4270	A new alignment free method for phylogenetic tree construction.	DEC 2015	International
11	Dr. M.Hanumandlu	Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), 2015 Fifth National Conference.	ISBN NO: 978-1-4673-8564-0	Information set based approach for salient object detection	16-19 Dec 2015	National

12	Dr. M.Hanumandlu	IEEE Applied Imagery Pattern Recognition Workshop (AIPR)	ISSN NO: 2332-5615	suspicious face detection based on eye and other facial features movement monitoring	13-15 Oct 2015	International
13	Dr. M.Hanumandlu	IEEE Applied Imagery Pattern Recognition Workshop (AIPR)	ISSN NO: 2332-5615	Online Signature Verification using the Entropy function	13-15 Oct 2015	International
14	Dr. M.Hanumandlu	Digital Image Computing: Techniques and Applications (DICTA), 2015 International Conference on	ISBN NO: 978-1-4673-6794-3	Illumination invariant Efficient face recognition using a single training image	23-25 Nov 2015	International
15	Dr. M.Hanumandlu	International Conference on Swarm, Evolutionary, and Memetic Computing SEMCCO 2015: Swarm, Evolutionary, and Memetic Computing pp 104-115	ISBN No: 9 978-3-319-48958-2	Variance based particle swarm optimization for function optimization and feature selection	18-19 Dec 2015	International
16	Dr. Akhil khare	IETE and IE approved National Conference on Signal & Data Processing (NCSDP-15)	Conference	Computer Assisted Cooperative Activity: Crowd Computing Revolution	11/07/2015	National
17	Dr. Akhil khare	International Congress on Information and Communication Technology. Volume:439, pp 567-575	ISBN No: 978-981-10-0754-5	Requirements Prioritization-Survey and Analysis	Oct 2015	International
18	Dr. Akhil khare	ICESA – 2015, IEEE International Conference on Energy Systems and Application pp-239 – 244	ISBN No: 978-1-4673-6817-9	Green Solution (GS): A New Initiative For Energy Efficient Computing Where Humans And Machines Work Together	OCT-NOV 2015	International
19	Dr. Akhil khare	ICESA – 2015, IEEE International Conference	ISBN No:	Devising Classifiers for Analyzing and	01/11/2015	International

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		on Energy Systems and Application.	978-1-4673-6817-9	Classifying Brain Tumor Using Integrated Framework PNN		
20	Dr. Akhil khare	National Conference on ADVANCEMENT IN COMPUTATIONAL TECHNIQUES & APPLICATIONS: ACTA	Na Conference	conceptual Governance model for Legacy Application Migration to Cloud	12/03/216	National
21	Dr. Akhil khare	ICESA – 2015, IEEE International Conference on Energy Systems	ISBN No: 978-1-4673-6817-9	Devising Classifiers for Analyzing and Classifying Brain Tumor Using	1/11/2015	International
22	Dr. Akhil khare	National Conference on ADVANCEMENT IN COMPUTATIONAL TECHNIQUES & APPLICATIONS: ACTA	ISBN No: 978-1-4673-6817-9	Generic Ways to improve software designed techniques based on UML	12/03/2016	National
23	Dr. Akhil khare	National Conference on ADVANCEMENT IN COMPUTATIONAL TECHNIQUES & APPLICATIONS: ACTA	ISBN No: 978-1-4673-6817-9	Modified weighted Fuzzy C-Means Clustering algorithm	12/03/2016	National
24	Dr. Akhil khare	National conference on Advances in Information Technology,	Conference	Cloud computing-Legacy applications, migration to cloud-A literature Analysis	22, 23 Jan 2016.	National
25	Dr. Akhil khare	National conference on Advances in Information Technology,	Conference	Image Segmentation-Fuzzy C means Clustering with kernel metric and logic information	22, 23 Jan 2016.	National
26	Dr. Akhil khare	National conference on Advances in Information Technology,	Conference	Requirements prioritization for product	22, 23 Jan 2016.	National

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				development projects		
27	Dr. Akhil khare	IEEE International conference on computing, analytics and security trends	Conference	CHURN prediction by finding most influential nodes in social network	19-21 December 2016	International
28	Dr. Akhil khare	2nd International conference on cyber security and IT governance,	ISBN: 978-1-4503-3962-9	Requirements prioritization-parameters of relevance-an empirical study across three datasets	4th – 6th march 2016	International
29	Dr. Akhil khare	ICTIS-International conference on ICT for intelligent systems, Vooume-1, pp 341-348	ISBN: 978-3-319-30927-9	Mathematical treatment of ABC framework for requirements prioritization,	November 2015	International
30	Dr. Akhil khare	18th International conference on computer science and information technology .pg:05-09	ISBN: 978-93-85225-64-2	Analysis of existing process models for application migration to cloud	29/05/2016	International
31	Dr. Akhil khare	18th International conference on computer science and information technology pg:1-4	ISBN: 978-93-85225-64-2	Collaborative Generic Modeling with object process Modeling methodology	29/05/2016	International
32	Dr. Akhil khare	International Society of Indexing (ISI): 4.421 Vol 4,Issue 7, pg. 194-199	ISSN NO: 2320-088X	Extended ONDINE Approach for Web Data Tables Integration", International Journal of Computer Science and Mobile Computing(IJCSMC),	July 2015	International
33	Dr. Akhil khare	"National Seminar and poster Presentation on Science & Technology for Indigenous Development in India organized by The Indian	(2nd Based Poster Award)	A Study of Factors and design of new Framework for Requirements Prioritization for Successive Releases	22nd to 24th Feb 2016	National

		Science Congress Association, Hyderabad.		of Application Software Products",		
34	Dr. Akhil Khare, ,	(IJCSIT) International Journal of Computer Science and Information Technologies, VOLUME 6 ISSUE 3 Page: 2945-2949.	ISSN No: 0975 - 9646, Impact Factor: 3.2	Improved Method of Single Image Dehazing based on Multi-Scale Fusion"	May - June 2015	International
35	Dr. Akhil khare	3rd International Conference on contemporary issues on management and information technology ICMIT-NCM-2016, Hotel Soleil, Bukit Bintang, Kuala Lumpur, MALAYSIA	NA	Study of Factors influencing Requirements Prioritization for Software Products Development,	9th-10th MARCH 2016	International
36	Sesham Anand	International Journal of Computer Science and Information Technology. Vol :6 Issue:6.Pg:5308-5312	ISSN NO: 0975-9646	Effect Of Distance Measures in Partitional clustering algorithms on Transportation Data.	6/11/2015	International
37	MD. Abdul Azeem	International Journal & Magazine of Engineering,Technology, Management And Research. Volume No: 3 (2016), Issue No: 4	ISSN No: 2348-4845	Enhanced Multi Clustered Security System For Wireless Sensor Network	APR 2016	International
38	Dr B. Sandhya	International Journal of System Dynamics Applications (IJSDA)	ISSN No: 2160-977	Analysis of SSIM based quality assessment across Color Channels of Images	July-Sept 2015	International
39	Dr B. Sandhya	Innovations in Computer Science and Engineering, Vol:413 pp 137-144	ISBN No : 978-981- 10-0417-9	Image Correspondence using Affine SIFT Flow	20/02/2016	International
40	Dr. Ch.Samson	International Conference on Innovations in	Conference	An Approach to Secret Sharing of	AUG 2015	International

		Computer Science and Information Technology – ICICSIT		Compressed Information		
41	Dr.Ch.Samson	International Journal of Advanced Research in Computer Science and Software Engineering. Volume 5, Issue 8, pg:134-137	ISSN No: 2277 128X.	Multiple Image Sharing Scheme using Visual Cryptography	JULY 2015	International
42	Dr.H.Jayasree	National Conference on Advances in Information Technology	Conference	A Survey on Third-Party WEB Tracking"	JAN 2016	National
43	P.Subhashini	International Conference on Digital life, Big Data Analytics Proceedings of CSI 2015. Vol:654,pp 341-350	ISBN No: 978-981-10-6619-1	Ranked Search over Encrypted Cloud data in Azure using secure k-NN	DEC 2015	International
44	P.Subhashini	3rd international conference on computing for sustainable global development.	ISBN No: 978-1-4673-9417-8	Data Retrieval Mechanism Using Amazon Simple Storage Service And Windows Azure	16-18 MAR 2016	International
45	B.V.Ramana & V.satish	International Conference on Advances in information technology	Conference	Comparative survey on frequent pattern mining methods	JAN 2016	International
46	B.V.Ramana	International Journal & Magazine of Engineering, Technology, Management and Research Volume No: 3 (2016), Issue No: 2 (pg:406-410)	ISSN No: 2348-4845	Feature Subset Selection Methods for high Dimensional Data	FEB 2016	International
47	D.Sirisha	10th INDIACom IEEE- , New Delhi, 2016, pp. 362-367. NSPEC Accession Number: 16426764pp:362-367	ISBN No: 978-1-4673-9417-8	Inclination from Conventional to Contemporary Image Alignment Techniques in Remote Sensing	6th – 18th March, 2016.-Scopus Indexed Conference	International

48	T. Sujanavan	National Conference on Impact Of Scientific Advances On Society	Conference	Leveraging mobile cloud computing through unwanted desk top-pc resources	AUG2015	National
49	K.Murali Krishna	International Journal for Scientific Research & Development Vol. 3, Issue 06.pg:580-583	ISSN No: 2321-0613	Analysis of Security Hazards and Solutions to Improve Security in Cloud Computing	June 2015	International

Details of Books/Book Chapters for CAYm2(2015-16)

S.No	Name of the Author(s)	Title	Publisher	ISBN	Year
1	Dr.Akhil Khare	Algorithmic analysis of Proneness in Object-Oriented Software	LAMBERT Academic Publications	ISBN-13: 978-3-659-78818-5 ISBN-10: 365978818X	2/10/ 2015
2	Dr.Akhil Khare & Dr.A.V.Krishna Prasad	Augmented Reality: - Devices and Components	LAP Publishing	ISBN-10: 3659788430 ISBN-13: 978-3-659-78843-7	23/02/2016
3	Dr.Akhil Khare	Secured Toll Surveillance System	LAP Publishing	ISBN-10:3659853062 ISBN-13: 978-3-659-85306-7	13/05/2016

Details of Patents CAYm2 (2015-16)

Faculty Name	Registration Number	Date	Application Id	Title of Work	C.B.R. No.	Status
Dr.Akhil Khare	E-12/8057/2016-CHE	19/05/2016	201641017218	Pavanish	10591	Published Issue No-25/16 17/06/2016
	URL:: http://ipindiaonline.gov.in/patentsearch/GrantedSearch/viewdoc.aspx?id=ypakqTsmnsOLEDYKmtLNmA%3d%3d&loc=vsnutRQWHdTHa1EUofPtPQ%3d%3d					

Details of Copy rights for CAYm2 (2015-16)

S No	Faculty Name	Diary Number	Submitted on	Class of Work	Title of Work	Status	ROC No
1		54687/2014-CO/L	12/10/2014	Literary	Migrate to SKY - LAMP2C	Registered	L-60550/2014
2		4459/2015-CO/L	05/05/2015	Literary	J-SHREE:: Green Tomorrow (GT) - An Energy Efficient Novel Approach Using Crowd Computing	Registered	L-62331/2015

3	Dr.Akhil Khare	9376/2015-CO/L	01/09/2015	Literary	Brain Tumor Segmentation and its area calculation in brain MR images using k-mean clustering and fuzzy c-mean	Registered	L-63258/2016
4		9365/2015-CO/L	01/09/2015	Literary	segmentation and classification of MRI Brain tumor images based on cellular automata and neural network	Registered	L-63256/2016
5		9364/2015-CO/L	01/09/2015	Literary	Devising Classifiers for analyzing and classifying Brain Tumor using PCA and Back Propagation Algorithm	Registered	L-63254/2016
6		9152/2015-CO/L	26/08/2015	Literary	Devising Classifiers for Coupling Measures in Object Oriented Environment: IMPACT, EFFECT AND RELATIONSHIP	Registered	L-63173/2016
7		9099/2015-CO/L	25/08/2015	Literary	EIRTAR	Registered	L-63034/2016
8		8514/2015-CO/L	12/08/2015	Literary	RPF- Requirements Prioritization Framework for product development projects	Registered	L-63285/2016
9		9246/2015-CO/L	27/08/2015	Literary	Devising Design Classifiers for Object Oriented Augmented Reality Environment and Its Dependences	Registered	L-63861/2016

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List of Conferences /Journals/Book/IPR for CAYm3 (2014-15)

S.No	Name of the Author	Title of the Conference/ Journal	ISSN No.	Title of the Paper	Date	National/ International
1	Dr. M.Hanumandlu	Springer, Image and Video processing, Volume 10, Issue 2, pp 327–334	ISSN NO: 1863-1703	Three Information Set based Feature Types for the Recognition of Faces	20/03/2015	International
2	Dr. M.Hanumandlu	Elsevier, Expert system with applications. Volume 42, Issue 7, Pages 3702-3723	ISSN NO: 0957-4174	Multimodal biometric system built on the new entropy function for feature extraction and the refined scores as a classifier	01/05/2015	International
3	Sesham Anand	International Journal of Computer Applications. Volume 95– No. 15, PP:40-46	ISSN NO: 0975 - 8887.	Application of Factor Algorithm on Analysis to k-means Clustering Transportation Data	June 2014	International
4	Sesham Anand	International Journal of Computer Science and Information Technologies	ISSN NO: 0975–9646	Performance of Clustering Algorithms on Home Interview Survey Data Employed for Travel Demand Estimation	Aug 2014	International

5	MD. Abdul Azeem	International Journal of Advanced Research in Computer Science & Technology Vol. 2, Issue 3 (July - Sept. 2014)	ISSN NO: 2278 – 1323	Un Observable BATMAN Routing for Fast and Secure Transmission In Comparison with USOR	SEP 2014	International
6	MD. Abdul Azeem	Emerging ICT for Bridging the Future - Proceedings of the 49th Annual Convention of the Computer Society of India CSI Volume 2 pp 467-474|	ISBN No: 978-3-319-13730-8	UOSHR: UnObservable Secure Hybrid Routing Protocol for Fast Transmission in MANET	Nov 2015	International
7	Dr B.Sandhya	Advances in Intelligent Informatics.VOL:320 pp 371-382	ISBN NO: 978-3-319-11217-6	A Learning Based Emotion Classifier with Semantic Text Processing	JAN 2015	International
8	P.Usha Gayathri	International Conference on Digital life	ISBN NO: 978-93-80544-10-6	Exploring cyber Intelligence Alternatives for countering cyber crime	Jun 2014	International
9	vikram NarayanDas	International Journal Of Engineering And Computer Science Volume 4 Issue 4 April 2015, Page No. 11571-11581	ISSN NO: 2319-7242	A Classification of various unicast and multicast Routing protocols in MANET	Apr 2015	International

Ph.D Guidance

a. Research Supervisor / Guide Name: Dr Hanmandlu

S.No	Scholar Name	Research Topic	Joining Date/Year	University	Status
1	Geetika	Soft Computing	June,2012	ITM, Gurugram, Haryana	Thesis Submitted in January,2018
2	Dilip Kumar Chaudhury	Machine Learning	June,2011	Biju Patnail University, Rourkela	Pursuing
3	Aparna Bhatia	Soft computing	June,2011	IIT Delhi	Pursuing
4	Farah Jamal An sari	Machine Learning	June,2014	IIT Delhi	Pursuing

Research Supervisor / Guide Name : Dr M Upendra Kumar

S.No	Scholar Name	Research Topic	Joining Date/Year	University	Status
1	K.Ramakrishna	Application of Graph Theory to computer science in Big network for Big Data	18/09/2014	Noida International University	Pursuing

c. Research Supervisor / Guide Name: Dr Akhil Khare

S.No	Scholar Name	Research Topic	Joining Date/Year	University	Status
1.	Sita Devulapalli	Requirement Prioritization for Successive Releases of Software Products	2013	ICFAI Jharkhand University	Completed on 24/08/2016
2.	Priyanka Bhatewara Jain	Generic Module Design for OOQP with Software Certification	2013	Jayoti Vidyapeeth Women's University,Jaipur	Pursuing

S.No	Scholar Name	Research Topic	Joining Date/Year	University	Status
3.	Sanjeev Yadav	Development of Process Framework to migrate Legacy Application to Cloud across layers	2014	Jayoti Vidyapeeth Women's University, Jaipur	Pursuing

d. Research Supervisor / Guide Name: Dr B.Sandhya

S.No	Scholar Name	Research Topic	Joining Date/Year	University	Status
1.	K.Kavitha	Image Processing	07/07/2014	KL University	Pursuing

e. Research Supervisor / Guide Name: Dr A.V.Krishna Prasad

S.No	Scholar Name	Research Topic	Joining Date/Year	University	Status
1	V.Aruna	Data Mining	18/02/2015	JNTUH	Pursuing
2	Srilaxmi Kuna	Educational Data Mining	29/06/2016	KL University	Pursuing
3	J.Nageswara Rao	Data Mining	March 2017	Osmania University	Pursuing
4	Ch.Raju	Big Data Analytics	March 2017	Osmania University	Pursuing
5	Nagaraj.P	Analytics with IOT	March 2017	Osmania University	Pursuing
6	Niteesh Sharma	Intensive Computing	March 2017	Osmania University	Pursuing

Details of Faculty Pursuing Ph.D

S.No	Faculty Name	Research Topic	Joining date & University	Publications
1.	J.Prasanna Kumar	Data Mining	Jun 2009, SV University	4
2.	M.Anupama	Adhoc Networks	Dec 2009,Rayalaseema university	3
3	G.Vijay Kumar	Routing in Adhoc Networks	July 2010,SV university	2

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4	B.Saritha	Machine Learning Algorithms in Medical Area	Dec 2012,JNTUH	3
5	Md. Abdul Azeem	Secure Routing in WSN	Aug 2011,JNTUH	9
6	D.Sirisha	SAR Image Registration	Jan 2015,KL university	7
7	P.Usha Gayathri	Cyber ethics	Aug,2012,JNTUH	4
8	M.V.R.Jyothisree	Implementation Of Routing Protocols for IOT applications	Sep 2010,Rayalaseema University	4
9	D.Fatima	Educational Data Mining	Sep 2010,OU	2
10	V.Sridhar	Processing Of Encrypted Cloud Data	July 2016,OU	0

Faculty Awarded Ph.D during the assessment period
Sesham Anand - Dec 2017
K.Madhuri   - Jan 2018

S.No	Faculty Name	Research Topic	Joining date & University	Date Awarded	Total No of Publications
1.	Sesham Anand	Development Of Relevance And Frequency Enabled Approach For Trip Planning Model	2008 JNTUH	DEC 2017	15
2	K.Madhuri	Design And Implementation of Master AODV Routing Algorithm to Mitigate security attacks in Mobile Adhoc Network	MAR 2010 Rayalaseema University	JAN 2018	10

Research Center for Ph.D (CSE)

Osmania University has accorded approval for recognition of MVSR Engineering College as a Center for pursuing Research leading to the award of Ph.D in the discipline of Computer Science & Engineering under Faculty Of Engineering (OU) with effect from 2017-18

University recognized Research Supervisors eligible for guiding Ph.D (CSE) in Faculty of Engg. (Admission for AY 2017-18 in progress)

S.No	Department	Approved Ph.D supervisor
1	CSE	Dr. Akhil Khare
2	CSE	Dr. B.Sandhya

Software Available in Research Center

S.No	Software	Domain
1	R (R-CLI & R Studio)	Data Analytics
2	OpenCV, VSIPL	Image Processing
3	GNU Octave	Image Processing / Machine Learning
4	NS3, NS2, Cisco Packet Tracer, GNS3, Wireshark, MININET	Networking
5	Theano, libcuda, pycuda (python, SpyderIDE)	Parallel Processing
6	ArduinoIDE, Fritzing	IOT
7	Anaconda, Python, IPython	Python language learning
8	Apache Hadoop (Single Node Setup with HIPI)	Distributed Computing
9	MySQL, PostgreSQL, SQLite	Object Oriented Software Engineering / RDBMS(Databases)
10	TexMaker (IDE for LaTeX),	Technical Documentation
11	MIT/GNU Scheme, GNU Prolog	Machine Learning
12	Apache JMeter, Selenium IDE	Automated Testing
13	XAMPP Stack, Apache Tomcat, Mobirise	Web Development
14	Julius, Julius-voxforge, espeak	Speech Processing

15	Umbrello, StarUML, DIA	Technical Diagrams
16	GIMPP	Image Manipulation
17	QTDesigner, Zenity	Linux GUI Development
18	NetBeans, Eclipse	IDE
19	Libre Office Suite	Office Documentation
20	C/C++ Compilers, OpenJDK 1.7, PERL, , LEX, YACC (Bison)	Computer Programming Languages

Hardware Available in Research Center

Lab-V (R&D & Project Lab)	IBM AIX Server-1 No. SUN Fire T1000 Server - 1 No. HP server ML 110(Gen9)-2 No. Server: HP Proliant ML110-1No. Intel I-3 System: 36 No. (Core2 Duo) System-2 No HP Laser Jet Printers- 2 No. 24 port D link Switches: 1 No. 16 port D link Switches: 1 No. 2GB Graphics Adaptor – 3 No Scanner -1 No. DM Printer - 1 No. External HDD - 1 No. Laser Jet Printers: 1 No UPS: UPS 7.5 KVA Jetson TX1 Developer Kit: 1 No. with HD -LED TV 24 inches. Total Systems: 38 + kit

Hardware Enhancement for Research Center

Equipment Upgraded for Consultancy Projects	Upgraded Hardware
RCI	NVIDIA® GeForce® GT 730 dedicated graphics card for super-fast web browsing, plus incredible photo and video editing. The GT 730 also delivers 3X faster gaming performance than integrated graphics while delivering rock-solid reliability and stability with GeForce Experience™.16 GB RAM (1 No)
	NVIDIA® GeForce® GT 710 dedicated graphics card improves 10x better performance than integrated graphics in all your favorite PC applications. Gaming is even up to 80% faster,

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	while delivering rock-solid reliability and stability with GeForce Experience™. 8GB RAM (1 No),8GB RAM (1 No)
DRDL	8GB RAM (1 No),4GB RAM (1 No)
RCI	Jetson TX1 Developer Kit: a full-featured development platform for visual computing designed to get you up and running fast. It comes pre-flashed with a Linux environment, includes support for many common APIs, and is supported by NVIDIA's complete development tool chain. The board also exposes a variety of standard hardware interfaces, enabling a highly flexible and extensible platform. This makes it ideal for all applications requiring high computational performance in a low-power envelope.

5.7.2. Sponsored Research

The sponsored research is highly dependent upon the partnership between MVSR and Other Organizations as Sponsors. A Sponsor is the company, institution, individual donor, or government agency responsible for the initiation, management, or financing a research study. Sponsors may enter into agreements with intermediaries that act as agents, such as contract research organizations or coordinating centers. The Department of CSE is involved with DRDO, DRDL and several other consultancy projects. The Department approached NRSC, Telangana State Govt. and other organizations for sponsored research and it is under process.

5.7.3. Development activities

Product/Application Development

CAY (2017-18)

S.No.	Product/Application Name	Purpose of the Product/Application	Name of the Faculty
1	SUSHI Linux1.2017	Customized Operating System for various organizations	T Sujanavan (Asst Prof)
2	Automatic Invigilation Schedule	It is a portal for managing invigilation duties for theory exams	T Sujanavan (Asst Prof)
3	Exam Fee Challan	Digital Challan generating system	T Sujanavan (Asst Prof)

4	Time Table Automation	Automated application which generates time table and shows load, free slots etc for each faculty	V Sridhar (Asst Prof)

CAYm1 (2016-17)

S.No.	Product/Application Name	Purpose of the Product/Application	Name of the Faculty
1	SUSHI Linux 1.2016	Customized Operating System for various organizations	T Sujanavan (Asst Prof)
2	Online Application for Placements	It is a web application to collect biodata of students and their marks which is helpful in recruitment process	V Sridhar (Asst Prof)
3	Student Companion App	Centralized portal for gathering student data	T Sujanavan (Asst Prof)
4	Online Subject Preferences for Load Distribution	Helps faculty to give preferences of subjects what they are interested to teach for upcoming semester.	V Sridhar (Asst Prof)

CAY m2 (2015-16)

S.No.	Product/Application Name	Purpose of the Product/Application	Name of the Faculty
1	Faculty Appraisal Form	It is an Excel tool for automatic generation of faculty appraisal scores	V Sridhar (Asst Prof)

CAY m3 (2014-15)

S.No.	Product/Application Name	Purpose of the Product/Application	Name of the Faculty
1	Student Result Analysis (mvsrapps.tk)	It is an application which is useful for student marks analysis	V Sridhar (Asst Prof)
2	Graduation Exit Survey	Survey is conducted for outgoing students to get feedback on attainment of PO's and PSO's	G Srishailam (Asst Prof)