

DEPARTMENT OF MASTER OF COMPUTER APPLICATION

INTRODUCTION

Department of Master of computer Application was established in the year 2001.It conducts MCA Programme. The Department has several well-equipped laboratories namely; Object oriented programming Lab, DBMS & Data Warehousing Lab and Research Lab. The Department has been accredited by NBA from 04.05.2007.The Primary emphasis in MCA is on development of application software in diverse areas rather than designing computer hardware and systems software which is of interest to engineering stream in computer education.

Doctorates in MCA

S No	Name of the Faculty	Degree Awarded	No. of Publications(Journals/Conferences)
1	Dr. Sk Altaf Hussain Basha	2013	27

Dr. Sk Altaf Hussain Basha, Professor and Head of Department of MCA

(ID-634)

Qualifications:

Ph.D (Computer Science and Engineering) (ANU, Guntur, 2013),

M.Tech (Computer Science and Engineering) (JNTU, Hyderabad ,2008) ,

M.Sc (Computer Science) (ANU, Guntur, 1999)

AMIE , Institute of Engineers, Kolkata, India, 2015

Experience: 16 years (Teaching), 1 Year (Industry)



Research Interest: Data Mining and Data warehousing, Data Base Management, Information Retrieval System, Educational Data Mining

No. of Journal Publications/Conference Proceeding: 27

No. of Books Published: 1

1. Sk Althaf Hussain Basha “**Computer Fundamentals for Beginners**”, APTECH Education Publications,2005

Certifications/Awards: Received Pratibha Puraskaralu (Merit Award) -2013 from The Guntur Co-operative Urban Bank on 24th November 2013 at Guntur.

No. of Times Invited for Guest lecturers: 11

Project/ Consultancies Completed: 1 Minor Research Project (SERO,UGC-Grant)

Journal Publications

International Publications:

1. SK Altaf Hussain Basha, Y R Ramesh Kumar, Mohd. Zaheer Ahmed and A Govardhan, “ Study of Education Patterns in Rural and Urban India using Association Rule Mining : Implementation”, 2016. (Under Review and Communicated to Journal Publisher)
2. SK Altaf Hussain Basha, Y R Ramesh Kumar, B Sasidhar and A Govardhan, “Review on Association Mining Techniques Used For Higher Education System Domain”, International Journal of Advanced Computing (IJAC), ISSN: 0975-7686, Vol. 7, Issue 2, pp.61-71,2015.
3. Sk Althaf Hussain Basha, P.M.Yohan,B Sasidhar , Syed Muneer, “Taxonomy of E-Learning Systems Problems With Data Mining Techniques – Review”, ZENITH International Journal of Multidisciplinary Research (ZIJMR), Vol.4, Issue No.10, October, pp.136-147, 2014, ISSN 2231-5780. (Impact Factor: 3.567)
4. Sk Althaf Hussain Basha, Praveen Kumar Gera, Katragadda Srinivas Rao,”Analyzing Education Data Through Association Rules: A Case Study” , International Journal Of Advanced Tread In Computer Science And Engineering, Vol. 3 , No. 1, pages: 161-166 (2014), ISSN 2278-309.(Special Issue Of ICETETS 2014,MRIET & WARSE).
5. Sk Althaf Hussain Basha, P M Yohan, B Sasidhar,A.Govardhan , “ Automatic Named Entity Identification and Classification using Heuristic Based Approach for Telugu”, IJCSI(International Journal of Computer Science Issues), Volume 10, Issue 6,November 2013,ISSN: 1694-0814. (Impact Factor:0.242)
6. Sk Althaf Hussain Basha, P M Yohan, B Sasidhar,A.Govardhan , “ Automatic Named Entity Identification and Classification using Heuristic Based Approach for Telugu”, IJCSI(International Journal of Computer Science Issues), Volume 10, Issue 6,November 2013,ISSN: 1694-0814. (Impact Factor:0.242)
7. Sk Althaf Hussain Basha, Ch. Prakash, D. Mounika, G. Maheetha, “An Approach for Multi Instance Clustering of Student Academic Performance in Education Domain”, IJDWM Journal, Volume 3,Issue 1,pp.1-9,Feb.2013,ISSN: 2249-7161.(Impact Factor:0.675)
8. Sk Althaf Hussain Basha, Sd.Muneer, E.Srinivasa Reddy, I Ramesh Babu,” Robust Watermarking Method For Any Images Based On Noise Density ” International Journal of Advanced Computing(IJAC), Volume 4,Issue 3&4,2012,pp.114-121,ISSN: 0975-7686

9. Sk Althaf Hussain Basha, A.Govardhan,Sd.Muneer, V.Uday Kumar “ Generate Eligible Students using Decision Trees-A Frame work for Employee Ability” International Journal of Advanced Computing(IJAC), Volume 4,Issue 2,2012,pp.68-76, ISSN: 0975-7686.
10. Sk Althaf Hussain Basha, , A.Govardhan ,Y.R.Ramesh Kumar , Mohd. Zaheer Ahmed, “Predicting Student Academic Performance Using Temporal Association Mining” International Journal of Information Systems and Education (IJISE), Vol.2, No.1(2012),pp.21-41,ISSN: 2231-1262. (Impact Factor :0.21)
11. Sk Althaf Hussain Basha, , A.Govardhan ,Y.R.Ramesh Kumar , Mohd. Zaheer Ahmed, “Study of Education Patterns Using Association Mining” International Journal Data Warehousing(IJDW), Vol.3 ,No.2,2011, pp. 53-64, ISSN: 0975-6124. (Impact Factor:0.412)
12. Sk Althaf Hussain Basha, A.Govardhan, “MICR: Multiple Instance Cluster Regression for Student Academic Performance in Higher Education”, International Journal of Computer Applications(IJCA), Volume 14– No.4,2011,pp.23-29, ISSN: 0975-8887 (Impact Factor : 0.821)
13. Sk Althaf Hussain Basha, A.Govardhan “A Comparative Analysis of Prediction Techniques for Predicting Graduate Rate of University” , European Journal of Scientific Research(EJSR) ,Vol.46 No.2,2010, pp.186-193, ISSN No:1450-216X . (Impact Factor : 0.783)
14. Sk. Althaf Hussain Basha, A.Govardhan “Rank Analysis Through Polyanalyst using Linear Regression” , International Journal of Computer Science and Network Security(IJCSNS), VOL.9 No.9,2009, pp. 290-293, ISSN: 1738-7906. (Impact Factor:2.512)

Conference Proceedings

International Conferences:

1. Sk Althaf Hussain Basha, K.SrinivasaRao “Analyzing education data through association rules ” in International Conference on Emerging Trends in Engineering Technology and Science - ICETETS 2014, 24th -25th Feb 14, page no :161-166.
2. Sk Althaf Hussain Basha, Naga Raju Devarakonda, Shaik Subhani, “ Outliers Detection in Regression Analysis using Partial Least Square Approach”, ICT and Critical Infrastructure : proceedings of the 48th Annual Convention of Computer Society of India-Springer, Vol II Advances in Intelligent Systems and Computing, Volume 249,pp. 125-135, Visakhapatnam, December 2013,ISBN: 978-3-319-03095-1.
3. Sk.Altaf Hussain Basha, Y Ramesh Kumar, Y Vijayalata, “ Predicting Student Academic Performance using Temporal Association Mining-A case Study on Educational Data ” , IEEE International Conference on Engineering for Humanity (ICEH-2013), Hyderabad, pp. 21-27,2013, ISSN: 978-93-82880-53-0.

4. Sk.Altaf Hussain Basha, Y. Vijayalata, V. Anand , Donapati Srikanth, “ Study of Education patterns using Rare Association Mining-A case Study ” , IEEE International Conference on Engineering for Humanity (ICEH-2013), Hyderabad, pp. 53-61,2013,ISSN: 978-93-82880-53-0.
5. Sk Althaf Hussain Basha, T Naveen Kumar , V. Anand , Donapati Srikanth, “Categorization of Academic Student Performance using Hybrid Techniques” International Conference on Advanced Computing Methodologies (ICACM-2013), Hyderabad, pp.325-330 ,2013
6. Sk.Altaf Hussain Basha,Y.Sri Lalitha, N.Sandhya,Dr.A.Govardhan "Web Usage Mining - A Survey" , IEEE International Advance Computing Conference (IACC 2009) , Thapar University ,Patiala,1684-1689,2009, ISSN: 978-981-08-2465.
7. Sk.Altaf Hussain Basha, Dr.S.Viswanadha Raju, B.Shasidhar, Dr.AVinaya Babu, Dr A.Govardhan "Parallel Algorithm for string Matching on 2D Liner Array with Reconfigurable pipelined Bus system",International Conference on Advanced Computing Technologies (ICTACT 2008), GRIET,Hyderabad,564-568,2008, ISSN: 9788178003.
8. Sk.Altaf Hussain Basha,K.Venkat Subbaih, A.V.N.Sharma, Dr. G.V.S.Raju "Facilities Layout Optimization using Genetic Algorithm", International Conference on Advanced Computing Technologies (ICTACT 2008), GRIET,Hyderabad,32-36,2008, ISSN: 9788178003.

National conferences:

1. Sk Althaf Hussain Basha, N Kartiek “ Forecasting the Academic Results of Students using Artificial Neural Networks” National Conference in modern. trends in Computer Science & Technology (NCMTCSCT2013), 2013,ISSN: 978-162776537-4.
2. Sk Althaf Hussain Basha, Y.R. Ramesh Kumar, D. Mounika, Y Vijayalatha, A. Govardhan, “ Study of Education Patterns using Rare Association Mining”, National Conference on Emerging Trends of Computing Technologies, (NCECT2013), GRIET,Hyderabad,pp.93-103,2013.
3. Sk Althaf Hussain Basha, Y.Sri Lalitha, N.Sandhya, Dr. A.Govardhan "Web Usage Mining-Survey ", Published in proceeding of National Conference on "Soft Computing and Artificial Intelligence" (NCSCAI 2009) at Lingaya's University ,Faridabad,222-227,2009.
4. Sk.Altaf Hussain Basha, K.Srinivasa Rao "Planning, Forecasting and Inventing computers in Higher Education." published in proceeding of UGC sponsored National Seminar on Food Security, nutrition and poverty in India, from 28-07-2004 to 29-07-2006 at Hindu College, Guntur.
5. Sk.Altaf Hussain Basha, S.Mohan Kumar "Computational tools for poverty measurement and analysis”, published in proceedings of UGC sponsored National Seminar on Quality in Higher Education and its outcome from 7-10-2004 to 8-10-2004 at Hindu College, Guntur.

Accepted Papers (In Print / Communicated to Publishers):

1. Sk Althaf Hussain Basha, A.Govardhan ,Y.R.Ramesh Kumar “Comparison of different Data Mining Techniques in Prediction- A Case Study on Educational Data”, IJDEM Journal (Accepted/Communicated to Publisher).
2. Sk Althaf Hussain Basha, D Sri Kanth Reddy, “Evaluation of Student Performance with Data Mining: An Application of Classification Algorithms, IJAC Publications, 2016. (Accepted and Communicated to Publisher)

Citations-Publications:

1. Prashant G.Tandale "A Review on Applications of Data Mining Techniques In Higher Education", International Journal of Current Trends in Engineering & Research (IJCTER),e-ISSN 2455–1392 Volume 2 Issue 5, May 2016 pp. 102 - 107.
2. Vinay Anad Sullare, RS Thakur, “Rule Based Recommendation System for Performance Improvement in Engineering Institutions”, CIIT, Data Mining and knowledge Engineering, Vol.8, No.1, 2016.
3. Margaret May.T, Hanmanthappa M, “Effect of Feature Selection to Improve Accuracy and Decrease Execution Time with Predicating Learning Disabilities in School Going Children”, International Journal of Enhanced Research in sciences, Technology Engineering Vol.5 Issue 3, March 2016 (ISSN: 2319-7463).
4. Javubar Sathick and Jaya Venkat, "A Generic Framework for Extraction of Knowledge from Social Web Sources (Social Networking Websites) for an Online Recommendation System", International Review of Research in Open and Distributed Learning, Volume 16, Number 2, April – 2015
5. M. Reza Mashinchi, Ali Selamat, Suhaimi Ibrahim, Hamido Fujita, "Outlier elimination using granular box regression", An International Journal on Information Fusion, Sciverse ScienceDirect,Elsevier, April 2015, PII: S1566-2535(15)00037-8.
6. K. Javubar Sathick, A. Jaya, "Extraction of Actionable Knowledge to Predict Students’ Academic Performance using Data Mining Technique- An Experimental Study ", International Journal of Knowledge Based Computer System, Volume 1 Issue 1 June 2013, ISSN Number: 2321-5623
7. Prathivada Poornima, S. Suresh Babu, “Secured Collaborative Data Publishing and Searching”, International Journal of Advanced Computing(IJAC),Vol.6, Issue 2, pp.51-57, April 2014, ISSN: 0975-7686.

8. Alaa Althubaiti, Mohammad Alkhazim, "Medical Colleges in Saudi Arabia: Can We Predict Graduate Numbers? ", Journal of Higher Education Studies(Canadian Center of Science and Education), Vol. 4, No. 3;pp.1-8, 2014,ISSN 1925-4741 E-ISSN 1925-475X.
9. M. Magila Priya, R.Augustian Issac, "Predicting Academic Performance of Failure and Dropout in Cost Sensitive Classification", International Journal of Advanced Computing (IJAC), Vol.6, Issue.1, January, 2014, ISSN: 0975-7686.
10. P. Ajith,R Raja Sekhara Rao, "Role of Data Mining: A Technical Education Perspective", International Journal of Engineering Computer Science & Technology (IJECS), v0105, pp.01 – 05,2012.
11. Saxena Prashant Sahai, Data Mining Techniques with Special Reference to Applications in Higher Education in Indian Perspective, INROADS- An International Journal of Jaipur National University, Volume : 2, Issue : 1, pp.26-31,2013
12. Anita N Chaware, U. A. Lanjewar, "A Novel Educational Data mining Model to Attain Sustainability", International Journal of Advanced Research in Computer Science(IJARCS),Volume 5, No. 1, Jan-Feb 2014, pp.64-68,ISSN No. 0976-5697
13. Dr.A.R. Mohamed Shanavas, M.S. Mythili, D. Regina Margaret, " Performance Analysis of Under Graduate Students", CiiT International Journal of Data Mining and Knowledge Engineering, Vol 4, No 3,2012,Print: ISSN 0974 – 9683 & Online: ISSN 0974 – 9578.
14. Swati Vitkar , Rekha Singh, "Framework to Study Impact of Environmental Parameters on Human Health Using GIS and Data Mining ", Journal of Computing Technologies(JCT),pp.33-37,2012.
15. Raymond S. Bermudez, Joseph O. Manalang, Bobby D. Gerardo, Bartolome T. Tanguilig III, "Predicting Faculty Performance Using Regression Model in Data Mining", sera, Ninth International Conference on Software Engineering Research, Management and Applications, IEEE xplore, pp.68-72, 2011.
16. Chady El Moucary, "Data Mining for Engineering Schools Predicting Students' Performance and Enrollment in Masters Programs" , International Journal of Advanced Computer Science and Applications(IJACSA), Vol. 2, No. 10, pp.1-9, 2011.

17. J. Shana, T. Venkatachalam, “Identifying Key Performance Indicators and Predicting the Result from Student Data”, International Journal of Computer Applications (IJCA), Vol. 25, No.9, pp.45-48, 2011.

18. Mazlan, E.M., Rahman, S., Ahmad, R., Kasbon, R, “Development of a manufacturing industry success rate analyzer using data mining technique”, Information Technology (ITSim), International Symposium in, IEEE xplore, Malaysia, Volume: 2, pp. 1032 – 1036, 2010

Minor Research Project /Consultancies (UGC Grant Project) Completed:

Project Title: Study of Education Patterns in Rural and Urban India Using Association Rule Mining

Agency: UGC

Reference:

a) F.No:4-4/2013-14(MRP-SEM/UGC-SERO dated 17-03-2014, Proposal Number: 808

b) No.F MRP-4585/14(SERO/UGC) March 2014 UGC Minor Research Project

Duration: 2 years, Cost: Rs. 1, 29,000/-

Y. Sri Lalitha, Associate Professor , Department of MCA (ID-112)

Qualification:M.Tech (CSE) (JNTU, Hyderabad ,2001),

Experience: 17 Years

Research Interest: Data Mining, Algorithms

No. of Journal Publications/Conference Proceedings: 6

Books published: 1

1. Y Sri Lalitha “ **Theory of Computation**”, **Spectrum Series** Publications

Journal publications

International publications:

1. Y. Sri Lalitha, N. Sandhya, Dr. A. Govardhan, Dr. K. Anuradha - “Neighbor based Text Document Clustering”, (IJCSIS) International Journal of Computer Science and Information Security, Vol. 9, No. 8, August 2011 pp.146-153.



2. Y. Sri Lalitha, N. Sandhya, Dr. A. Govardhan, V. Sowmya, Dr. K. Anuradha , “Analysis of Stemming Algorithm for Text Clustering” IJCSI International Journal of Computer Science Issues, Vol. 8, Issue 5, No 1, September 2011 ISSN (Online): 1694-0814,pp.352-359.
3. Y. Sri Lalitha, Dr. A. Govardhan, N. Sandhya, Dr. K. Anuradha “An improved Approach for Document Retrieval Using Suffix Trees” (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 2, No. 9, 2011 pp. 33-36.

Conference Proceedings

International Conferences:

1. Y. Sri Lalitha, A. Govardhan “Semantic Framework for Text Clustering with Neighbors “,ICT and Critical Infrastructure: Proceedings of the 48th Annual Convention of CSI, Volume II, Advances in Intelligent Systems and Computing 249, © Springer International Publishing Switzerland 2013 December 2013 pp.261-271, ISBN: 978-3-319-03095-1.
2. Y. Sri Lalitha, Sk. Altaf Hussain Basha, N. Sandhya, Dr. A. Govardhan – “Web Usage Mining – A Survey “, IEEE International Advance Computing Conference(IACC 2009), Thapar University,Patiala,pp. 1684-1689,2009, ISSN: 978-981-08-2465.

National conferences:

1. Y. Sri Lalitha, Sk. Altaf Hussain Basha, N. Sandhya, Dr. A. Govardhan – “Web Usage Mining – Survey “, published in proceeding of National Conference on “Soft Computing and Artificial Intelligence” (NCSCAI 2009)at Lingaya’s University, Garidabad, pp.222-227,2009.

N V Ganpathi Raju, Associate Professor

Qualification:Ph.D(pursuing) , M.Tech (CST)(Andhra University ,2008),MCA(2000)

Experience: 14 Years (ID-118)

Area of research interest: Information Retrieval Systems and Language Technologies

Journal Publications/ Conference Proceedings: 3

Books Published: 02 (Hi-Tech Publishers) on Software Engineering & Java Programming

Certifications: - Oracle Certified J2SE 6, Oracle Certified J2EE 5 programmer.

Journal publications



International publications:

1. N.V. Ganapathi Raju, Bhavya Sukavasi, Sai Rama Krishna Chava, Vidya Rani Vadisala, "An Application of Statistical Indexing for Searching and Ranking of documents – A Case study on Telugu Script" , International Journal of Computer Applications (0975 – 8887) Volume 28– no.3, pp.22-27, August 2011
2. N.V.Ganapathi Raju, Bhavya Sukavasi, Sai Rama Krishna Chava, Vidya Rani Vadisala,,"Automatic Information Collection & Text Classification for Telugu Corpus using K-NN Algorithm", International Journal of Research in Computer Application & Management(ijrcam),Vol.1,no. 9,November 2011,pp.88-93,2011

Conference Proceedings

International Conferences:

1. N V Ganapathi Raju, Dr Uma Maheswar Rao, Christopher M, Parameswari of CALTS "A Telugu Spell Checker based on Morphological Analyzer for Error Detection & Suggestion Generation". International Telugu Internet Conference (ITIC). Nov 2012.



K Srinivasa Rao, Assistant Professor. (ID-958)

Qualifications : M.Tech (Computer Science and Engineering) (JNTUH 2014),

MCA (ANU, GUNTUR 2007)

Experience: 9 years Teaching

Research interest: Information Security, Management Information Systems, Software Engineering

Journal Publications/ Conference Proceedings: 3

Conference Proceedings

International Conferences:

1. K.SrinivasaRao “Analyzing education data through association rules ” in International conference on emerging trends in engineering technology and science - ICETETS 2014, 24th -25th Feb 14, page no :161-166.

National Conferences:

1. K.SrinivasaRao “Document clustering: An approach for correlation preserving indexing methods” in national conference on advanced computing and patron recognition- ACPR14, 8th and 9th Jan 2014, page no.535-539.

International Journals:

1. K.SrinivasaRao “Survey on document clustering” in Zenith international journal multidisciplinary research-ISSN 2231-5780,volume no.4 issueno.1jan 2014 ,page no:151-157

Donapati Srikanth, Assistant Professor. (ID-991)

Qualifications : M.Tech (Computer Science and Engineering) (JNTUH 2011),

MCA(OU Hyderabad-2009),



Experience: 5 (2 years teaching +2 years IT industry)

Research interest: Data Mining,Middleware like EAI

Journal Publications/ Conference Proceedings: 2

Conference Proceedings

International Conferences:

2. Donapati Srikanth,V. Anand ,Sk.Altaf Hussain Basha, Y. Vijayalata “ **Study of Education patterns using Rare Association Mining-A case Study** ” , IEEE International Conference on Engineering for Humanity (ICEH-2013), Hyderabad, pp. 53-61,2013.

3. Donapati Srikanth, V. Anand ,Sk Althaf Hussain Basha, T Naveen Kumar ,
“**Categorization of Academic Student Performance using Hybrid Techniques**”
International Conference on Advanced Computing Methodologies (ICACM-2013),
Hyderabad, pp.325-330 ,2013

Mr. C.N.V.B.R.Sri Gowrinath,Assistant Professor, Dept. of MCA (ID-1098)

Qualifications : M.Tech (Computer Science and Engineering) (JNTU Kakinada, 2013),

M.C.A (Andhra University, 2008).



Experience: 7 years

Research interest: Data Structures, Software Engineering.

Certifications: Java Standard Edition 5 Programmer Certified Professional Exam

Journal publications/conference proceedings: 1

Conference Proceedings

International conferences:

1. C.N.V.B.R.Sri Gowrinath, M.Satish Kumar ”Cloud Oriented Remote Device Display,
”International journal for Research in Information Technology(IJRIT), Volume-1 Issue-
12,2013,ISSN: 2001-5569 (Impact Factor: 1.738).



Ch Veeranjanyulu, Assistant Professor (ID-1090)

Qualification: MCA, M.Tech(JNTUH2013)

Experience: 7 years

Research Interest: Databases

Journal publications/conference proceedings: 1

Conference Proceedings

International conferences:

1. Ch. Veeranjanyuu, Ravi Mathey "Attribute information for incremental classification of large datasets" International journal of computer science information and engineering technologies(IJCSIET).



Name: Srishuka M

Designation: Asst. Professor (Id-1042)

Qualification: MCA (JNTUH, 2012)

Experience: 3 years

Research Interest: Cryptography, Cyber Forensics, Material Science Simulations

Journal Publications/Conference Proceedings: 1

Conference Proceedings

International Conferences:

1. Srishuka M., Lakshmi Kanumuri, Amith Kumar Gupta, Swadesh Kumar Singh "Application of Support Vector Regression on Mechanical Properties of Austenitic Stainless Steel 304 at Elevated Temperatures", International Conference on Material Processing & Charecterization 2015, Elsevier- Materilas Today Proceedings 2015.