

# **Knowledge Engineering Research Group**

## **1. Knowledge Engineering Group (KEG):**

KEG aims at develop knowledge-based framework that utilizes various data mining approaches, Machine Learning, Computer Vision, Deep Learning and Natural Language Processing.

The research group aiming:

- To encourage to develop different prototypes in expert systems using knowledge-base.
- To increase the scope of KEG by incorporating various domains by encouraging collaboration with outside world.
- To meet the cutting edge research, it facilitates various conference, workshops and development programs.

## **2. People:**

(a) **Group Head:**Dr.Jagan Mohan Reddy

(b) **Faculty Members :**

1. Dr. D.Veeraiah
2. Dr.O.Rama Devi
3. Ms. M.SriBala
4. Mr. D.SrinivasaRao
5. Mr. K.NagaPrasanthi
6. Mr. A.Sreeram Chandra Murthy
7. Mr. A.Raja Gopal
8. Mr. G.V.Rajya Lakshmi
9. Mr. N.V.Naik
10. Mr. P.Vamsi Naidu
11. Mr. S.Govindu
12. Mr. T.N.V.S.Praveen
13. Mr. N.SrinivasaRao

## **3. Equipments:**

(a) **Hardware:**

DELL Commercial Desktop Systems  
Core i3 6100/8 GB DDR /500 GB/  
18.5 Monitor/DOS /USB KEY Board and Mouse – 72 No's

Group email-id: [lbrce.datascience@gmail.com](mailto:lbrce.datascience@gmail.com)

Group website: <https://sites.google.com/view/cse-dsg>

(b) **Software:**

Ubuntu 16.04, LTS Operating System and open source tool.

**4. Publications:**

**i. Journals:**

- Dr. D. Veeraiah, “Super Pixel Based Virtual Texture Mapping of Image Synthesis”, International Journal of Advanced Research in Computer Science, 0976-5697, volume/issue no.,pg: 773-781., July 2017 (International).
- ChaluvadiLikithaSravya,G.V.Rajya Lakshmi, “Privacy-Preserving Data Mining with Random decision tree framework” , IOSR Journal of Computer Engineering (IOSRJCE) e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 19, Issue 4, Ver. III (Jul.-Aug. 2017), PP 43-49
- DiviPremaSwarupa Rani, A.Rajagopal, ”Real-time Big Data Analytics and parallel processing using Hadoop on Remote Sensing data”IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 19, Issue 4, Ver. III (Jul.-Aug. 2017), PP 29-32
- SlavathuGeetaSowmya,K.NagaPrasanthi ,”An Efficient General Decentralized Clustering Exploiting Hierarchi” IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 19, Issue 4, Ver. III (Jul.-Aug. 2017), PP 50-55
- PatchigollaSindhu, M. Sribala, ”Pedestrian Detection by Using Random Decision Algorithm with Support Vector Machine”, IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 19, Issue 4, Ver. IV. (Jul.-Aug. 2017), PP 01-04
- TirumalasettyLeelasubhasri,Dr.D.Veeraiah, “SUPER PIXEL BASED VIRTUAL TEXTURE MAPPING OF IMAGE SYNTHESIS “ International Journal of Advanced Research in Computer ScienceVolume 8, No. 7, July – August 2017
- D. Veeraiah, “Multi Attribute Similarity Index Data Presentationfor Uncertain Categorical Data”, ARPJ Journal of Engineering and Applied Sciences, ISSN: 1819-6608, Volume 13, No 9, May 2018. (Scopus Indexed).
- D. Veeraiah and D. Vasumathi, “Relative Dimensionality of Feature Selection Based on Collective Behavior in Cluster Databases”, Journal of Scientific and Industrial Research, ISSN: 0975-1084, Volume 76, pp.468-472, August, 2017. (Free, Science Citation Indexed & Scopus indexed).
- Danda J.M.R., Hota C. (2016) Attack Identification Framework for IoT Devices. In: Satapathy S., Mandal J., Udgata S., Bhateja V. (eds) Information Systems Design and Intelligent Applications. Advances in Intelligent Systems and Computing, vol 434. Springer, New Delhi.
- Hota C., Narang P., Reddy J.M. (2016) Unwanted Traffic Identification in Large-Scale University Networks: A Case Study. In: Pyne S., Rao B., Rao S. (eds) Big Data Analytics. Springer, New Delhi.
- Ch.Lakshmi and D.Veeraiah “An enhanced approach of secure pattern classification under attack” IJETCSE Vol 23 Issue 5 sept 2016.
- Ch.PoornaVenkatasrinivasaRao and M.SriBala “Secured Personalized web search using adopted algorithms” IJRCSE VOL-6,Issue -5,Sept 2016.

- . Bhavani,G.V.Rajya Lakshmi “Intrusion Detection by using fuzzy genetic algorithm” International Journal of Innovative research in Advanced Technology VOL-1,Issue - 4,Oct-2016, page.no-219-227.
- D. Veeraiah and Dr. D. Vasumathi, “Feature Sub Selection over High Dimensional Data Based on Classification Models”, Indian Journal of Science & Technology, ISSN: 0974- 5645, Volume 9(8), February, 2016.
- D.Veeraiah, G.V.N.Sindhura "MCA for Detection of DOS Attack" IJRIT, ISSN: 2001- 5569, Volume-3, Issue-7, July 2015.
- M.Sribala, M.S.L.Sravani "Dynamic Authentication for Efficient Data Storage HMS" IJRIT, ISSN: 2001-5569, Volume-3, Issue-7, July 2015.
- K.NagaPrashanthi, U.Naresh "FILTER WALL: A System To Filter Unwanted Messages" IJRIT, ISSN: 2001-5569, Volume-3, Issue-7, July 2015.
- A.Sree Rama Chandra Murthy, P.NagaLakshmi "Sanitizing Private Information Inference Attacks On Social Networks" IJRIT, ISSN: 2001-5569, Volume-3, Issue-7, July 2015.
- M.Sribala, P.Nagasushimita “Cloud segregating for shared clouds using freight stabilization model for performance enhancement”, IJER, ISSN: 2321-7758, Vol-3, Issue4. July 2015.
- A.RajaGopal, P.Sravan Kumar “Object Removal and Image Reconstruction Using Hierarchical Super Resolution Based Inpainting”, IJRIT, ISSN: 2001-5569, Volume-3, Issue-7, July 2015.
- M.SriBala, Ms.Yasmeen Begum "A Novel Technique to Detect the Misbehaviour nodes in Delay Tolerant Networks" IJRD, ISSN-3785-0855, July 2015.
- A.RajaGopal, T.sabitha Devi "A Novel Technique for graphical passwords using Captcha" IJRIT, ISSN: 2001-5569, Volume-3, Issue-7, July 2015.

## ii. Conferences:

- Dr. D. Veeraiah, “Advanced Cyber Hiding Key Logging over Cyber Communication ”,Springer LNNS Series, 978-981-10-3934-8, volume No., 978-981- 10-3934-8., July 2017 (International).
- V.Shindhusa, R.Sai Shankar, M.SriBala has presented a paper titled “Prediction of heart disease using hybrid algorithm” in International Conference on Recent Advancement in Computer Science and Communication Technology (ICRSCT-2018) on 6th April 2018 at Dhanekula Institute of Engineering and Technology Vijayawada.
- K N Prasanthi, Dr. MVP ChandrasekharaRao, Dr. D. Nagaraju, T.Suresh has presented a paper titled “Title: A Hybrid Approach for Privacy Preserving Data Mining.” at International Conference on Advances in Computing and Data Sciences 2018, Uttaranchal University, Dehradun, April 20-21,2018 .
- J. M. Reddy, C. Hota and M. Rajarajan, "Behavior-based P2P traffic identification using fuzzy approach," 2015 International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), Davangere, 2015, pp. 152-155.doi: 10.1109/ICATCCT.2015.7456873.
- J. M. Reddy and C. Hota, "Heuristic-Based Real-Time P2P Traffic Identification," 2015 International Conference on Emerging Information Technology and Engineering Solutions, Pune, 2015, pp. 38-43. doi: 10.1109/EITES.2015.16.

- D. Veeraiah and D. Vasumathi, “Fuzzy Link Based Analysis for Mining Informational Systems”, Springer AISC Series ISBN: 978-981-10-0127-7, Volume 1, pp.55-62. (Series ISSN: 2194-5357) , ICT4SD-2015, July-2015.
- D. Veeraiah and D. Vasumathi, “Categorical Data Clustering Based on Cluster Ensemble Process”, Springer AISC Series ISBN: 978-981-10-0754-5, Volume 2, pp.101-112. (Series ISSN: 2194-5357), ICICT-2015, October, 2015.
- M.SriBala, B.Shyamala, “BIO INSPIRED computing techniques –A Survey” International conference on emerging trends in Engineering Research on 11th October 2015. ISBN: 978-1514782-128.
- M.SriBala, K.N. Prasanthi, “Efficient Data Mining Techniques for compound data bases”, International conference on developments in Engineering Research on 7th November, 2015. ISBN: 978-1511885-049.

### **iii. Books Chapters:**

- D. Veeraiah, “A Novel Approach for Mining Cluster Data bases UsingFuzzyLinkAnalysis”, Advanced Engineering Research and Applications (AERA), ISBN: 978-93-87374-32-4, Volume 8, Pp: 114-127, May 2018.

## **5. News:**

### **(a) Conference Conducted:**

- Conducted International Conference on Computational Intelligence & Data Engineering (ICCIDE)-2017, Springer, India on 14-07-2017 to 15-07-2017.

### **(b) Workshops/FDPs:**

- FDP on “**Machine Learning & Soft Computing**” in Association with NIT, Warangal on 22-01-2018 to 28-01-2018.
- Workshop on Big Data Analytics using Hadoop Eco-Systems on 05-01-15 to 11-01-2015.
- Workshop on Cloud, Big Data& Hadoop on 23-01-2014 to 31-01-2014.