Center of Excellence in Data Science

Vhe center builds upon College infrastructure Room No-A 102 in CSE Department and expertise in data science data analytics, and high performance computing, while collaborating with other academic partners, industry, and government agencies, vq uupport the following **objectives and strategies**:

Research: Generate innovative technologies and methods, while increasing competitive research grants and public-private partnerships.

Commercialization and Incubation: Drive grow th of large and small commercial partners by supporting the commercialization of new products and services.

Consultations apf Rgsources: Facilitate acegss vo advanced computing and data visualization facilities, resources, and expertise.

Education anf Vtaining: Increase vhe pool of y ell-trained, hki hly ukilled """f cta scientists to meet national demands by uupporting formal graduate and undergraduate programs and experiential learning opportunities.

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Research Proposals/Grants

- Mrs. B V Kiranmayee- UGC Grant, Minor project for the duration 2016-18
  Project Title: A Data mining approach for the efficient detection of brain tumor decease
  Approved Amount: Rs. 65,000
- Mrs. S. Nagini- UGC Grant, Minor project for the duration 2014-16
  Project Title: Development and validation of a model for non-technical losses (NTL's)
  detection of electricity theft using genetic hybrid SVM approach
  Approved Amount: Rs. 2.5 Lakhs

M.Tech Projects

- Project Title: Twitter sentiment analysis using naviebayes for hash tags like
  #India fights correction, #Rs 500, 1000, #surgical strike, #black money
  Status: on-going, mini project

B.Tech Projects

- Efficient prediction of a decease using data mining techniques
  Status: completed in 2016
- Tweet analysis for real time detection and earthquake reporting system
  Status: completed in 2016
- Ranking spatial data by quality preference
  Status: completed in 2016
- Monitoring on-line tests through data visualization
  Status: completed in 2016

Workshops conducted:

- International Advanced Computing Conference(IACC) conducted workshop on "Data Analytics "
  On 5th JAN 2017 with 70 number of participants
- International Conference on data Science (InDaS) conducted during the period 26/2/14 to 28/2/14 with 110 no of participants
- A 3-day workshop on "Big data analytics and cloud computing" conducted during the period 4/9/14 to 6/9/14.
  Speaker: Ravi Kumar Itha, specialist, senior, Analytics Application Development, DELOITTE
- A two day workshop on "Big data & Hadoop" conducted during the period 27/11/15 to 28/11/15
  Speaker: Mr. Venu Tadiparti, IBM.

Certification/Training Programs conducted :

- "Big Data and Hadoop" certification program is conducted for 3rd year B.Tech students in 2015

Special Interest Group (SIG) :

- Data Mining
- Data Analytics

The above two SIG's are having meeting once in every week for discussions and knowledge transformation regarding the current technologies and tools under data science

Research:

- 4 Ph.Ds awarded under the domain of Data Mining.
- 3 of our faculty submitted their Ph.D thesis.
- 20 faculty are pursuing Ph.Ds in the broad domain of data mining, data analytics and Business Intelligence

Higher Studies:

Students are encouraged to select their specialization in Post-Graduation related to Data Analytics/Data science/BI

Placements :

Students were recruited as Data Analyst in DELOITTE MNC