

Special Team Projects of 2017

Mini Projects 2017

- Text Processing using Linux
- Global Player using Linux shell
- Pdf generator using Linux shell
- Customer analytics using Mysql
- Cart design using Mysql
- Multiple file Text processing using Linux
- Design patterns for Java comparisons
- Mobile keypad design logic in java
- Word pattern recognition using java
- Un-structured data processing using Mysql

Industrial Projects 2017

- Text Processing using Linux
- Admission predictor - By analyzing the admission data of any institution, a custom modern data science formula can predict the future joiners
- Automatic Attendance (Published in the paper) An automatic Attendance Android App can fill the excel as per the attendees attended the class based on MAC address of every device and also it showcases the absolute productivity based on time spent
- Customer Analysis - Product Review through un-structured customer rating data using Hadoop
- Fake calculator - A real time use-case at USA used at the time of recent presidential elections. Analyzing the facts in the news (crystal / raw) and predicting the failure rate in the data
- SOLR indexing on yelp data and analysis through HUE
- Custom university ranking using Pentaho Analytics based on users requirement (MS Related projects)

- Making the Legacy Technologies (mysql) faster using Spark
- Making an epic (Mahabharata) easier to learn using Neo4J through wiki dump
- Twitter Analysis - A live data is taken from twitter based on the requisition and analyze through word cloud or histogram report
- All the major projects met the standards of Top Universities at USA

New Terminology for 2015-2016:

By following the corporate standards, Usharama R & D center initiates a Consultant approach to meet the industry needs and solving real-time business technical problems. Eight Students were appointed as Technical Consultants serving different domains of IT industry.

Live projects by meeting & developing the clients directly 2015-16:

- Text Processing using Linux
- Automatic Pay slip generator
- Bill generator
- Accounting deductions
- Browsing Statistics
- Resulting Analysis
- Installing web portals with Databases
- Design, analyze and develop an automatic decision making vending machine using C programming and Artificial Intelligence
- Create a batch processing software which installs with a dll files in server and status display through a pop-up window through linux shell scripting
- Design and develop a random coupon generation for the customer's request and update the process in monitoring database using PL-SQL
- Design and develop the Linux search engine for local system with depth analysis
- Design a predictive model for the disconnected services for upcoming year based on business data using R-statistics
- Design and Develop a hand pointer control system using Open CV and webcam as a pointer

- Design and Analyze a transformer architecture using AutoCAD and COMSOL
- Design a Real time Operating System for the self-applications friendly
- Development of automated Pay slip Generator for Accounting
- IP resolver using Hadoop-Pig (IBM ? Biginsights)
- Job chaining mechanism using Hadoop IBM - Biginsights
- Employee Analysis using Mysql, Tableau & Pentaho and Cognos-BI
- Image processing using py-tesseract
- Geo based analysis for Retail industry using Mongodb
- Monitoring of Motor speed and controlling using PLC & SCADA
- Design of a Distribution Transformer using Auto-CAD
- Analysis of Heat Flux on Solar Dish Receivers using COMSOL
- Sales analysis of sorting and predicting using Hadoop IBM Biginsights
- Performance of the web technologies using RFT & RQM