

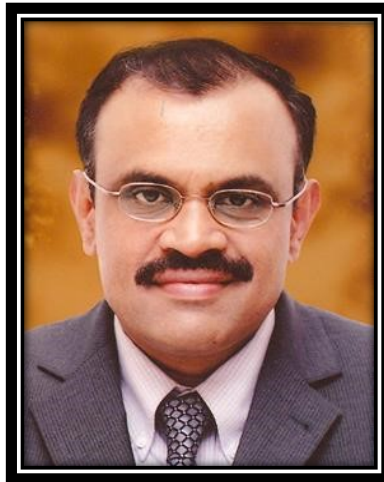
*DEPARTMENT  
OF  
INFORMATION TECHNOLOGY*



*IT-Riotz*

**MAGAZINE 2018-2019**





"Information Technology Management learning is best practiced within the precincts of real-time industry"

I welcome you to the experience "Campus inside" learning at KGISL Institute of Technology.

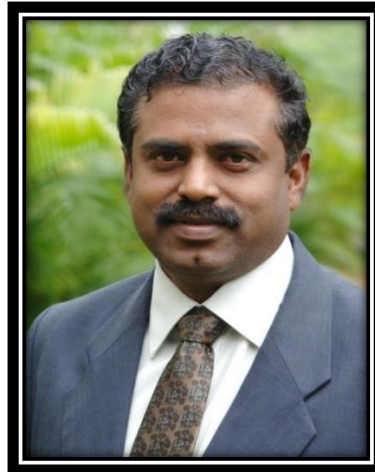
Be it the sciences, management education or the arts, the quality of learning environments have always been determined by its proximity to industry. The greater the institute-industry interaction and the better was the quality of learning that the student accumulated.

At KGISL Institute of Technology learning is an integrated system with most of the education-taking place at the center stage of technology workplaces.

Real-time projects brought in for learning from industry bring relevance to our focus of creating 'industry-ready' people for the IT marketplace.

Add to this KGISL Institute of Technology's 'sponsored institute' status with strong industry -institute dynamics happening from its parent organization KG Information Systems Private limited - students on this campus have the 'inside line' to the world of information technology learning.

**Mr.Ashok Bakthavathsalam**  
Managing Trustee  
KGiSL Educational Institutions



### **MESSAGE**

It is a matter of elation to find that the **KGISL Institute of Technology** proposes to bring out the magazine annually with substantial articles.

It will be a wonderful opportunity for the Department of Information Technology to play a role in bringing up the students talents. The Department is admiring for its extension activities in neighboring institutions.

The students, I am sure, will share their technical knowledge and come out with creative ideas. The proceeding of the magazine creation will help all to understand the various elements involved in information technology.

My best wishes are extended to the department in this intellectual creation.

**Dr. Ravichandran Rajagopal**  
Director  
KGISL Education Institutions



## Message from Head of the Department



As the Head of the Department of Information Technology I am extremely happy to bring out this magazine released on the technical and nontechnical.

Technology, Teaching, Training are the pillars of our department. We are entering in a world which is fully IT driven, globally integrated and dynamic. The field of IT is emerging day by day and our responsibility, in imparting the latest technical knowledge to the students and cultivating, nurturing the same in the right way will make our students competent in the competitive world, is also growing tremendously.

This magazine offers an exciting platform for the students to exhibit the knowledge they possess and a good chance to develop the same. This kind of Technical magazine aims at providing an opportunity to students by brining academics & aspiring students to a common platform to expose and share their views & experiences.

I congratulate and thank all the students, staff and non-teaching staff of the department who have made tiring efforts to bring out this magazine and wish them all success!

## ABOUT THE CAMPUS



Coimbatore the Mecca of learning in South India is host to the campus of KGiSL institute of technology. A city, which boast 3 universities, over 60 Arts and science college, and 23 Engineering colleges, attracts the finest talents tandem to the infrastructure it can provide. KGiSL institute of technology is collocated on the 35 acre high-tech campus of KGiSL. Nested in the foothills of the Western Ghats, the calm, peace, and green environs of the campus lends to a conducive learning mood. The infrastructure at KGiSL operates on a round-the-clock mode, housing more than 1000 computers that are connected to servers via layers-3 manageable switches. Two H4 satellite earth stations located on the campus provide for non-stop international private leased Circuits

IPLCs) and a redundant SMBps internet connectivity with Quality of services (QOS) comparable to global standards. It is also home to the software Technology Park of

The learning resource Center at KGiSL institute of technology is a treasure trove of books on Information Technology,

India (STPI), the premier organization which contributes to 70% of all the Software exports from India

## CAMPUS INSIDE

Brick & mortar, click, chalk & talk, audio visual aids. Cyber classrooms, you've heard it all form software technology institutes. And then you have heard of industry-institutes interaction., campus placements and all. But, with one crucial imitation: out of bounds of industry. At KGiSL institute of technology we speak the language of Borderless Learning-a learning environment happening right in the middle of industry. 'campus inside' – we call it, signifying the unique strength of KGiSL institute of technology in being able to afford a learning environment right in the middle of its sponsoring body-KGiSL- as ISO 9001:2000 SEICMM Level4 company.



## LEARNING ESOURCECENTER

management, science and self-development. The library is open from 8 am to 8pm. And encourages the students to harvest maximum knowledge from the wealth of knowledge it is storehouse too. The center also boasts

facility for online access of information through computers available with high speed, Internet browsing facility, which students can use, with a total of over 1000 volumes at store, the Learning Resource Center is extended a healthy. Budget for acquiring of books and periodicals that constantly keep it update with newer learning technology.

### **PLACEMENT**

of learning that would eventually identify individually competencies in a global career path. The corporate relation cell at KGiSL institute of technology actively solicits industry for job opportunities for its students and target to place 100% if its students from the campus placement opportunities it creates for them.

### **STAYING ON THE CAMPUS**

individual. This leads to a conditioning of the individual towards a more conditioned mutually inclusive social behavior attitude.

The campus hostels are again an opportunity for cross integration of student learning with corporate life where the student is able to share knowledge and learn from his mentors the nuances of workplace competencies.

### **24HOURS CAFETARIA**

Just like home: coffee (and information) when you want it. The 24 hour cafeteria is again a forum for professional dialogue where the student gets to interact with professionals at the KGiSL campus.

### **SPORTS AND EVENTS**

KGiSL recognizes the aspirations of the individual to

The spirit of fair-competitiveness is best achieved on the courts of a game. KGiSL institute of technology recognizes the importance of sport as daily ritual for all-round development of the individual sporting infrastructure that provide for games like soccer, cricket, basketball, badminton, volleyball apart from a full fledged gymnasium hall mark the outlets a fundamental to enlarging human choices is building available for the individual to condition the spirit, body and mind





# Paper Abstract

## INTELLIGENT MEDIA PLAYER

Much advancement came in the field of Portable Music Players, but still we are yet to see a Portable Music Player which differs from the origin. In this paper, we are going to explain about a device based upon Embedded system which senses the mood (Example: Angry, Calm, Tensed, slept) of the user and plays Songs according to the mood of the person. However we can't depend only upon the mood of the person which demands us to take the conditions like Temperature into account which may be helpful to play the required Music along with the alteration in EQ. EQ is a Music equalizer which enhances the listening experience of the user (Example: Treble mode during cold weather, Bass mode under warm conditions

**MITHUN.M**  
**II Yr**

## 5TH GENERATION MOBILE NETWORKS

5G ( 5th generation mobile networks or 5th generation wireless systems ) is a name used in some research papers and projects to denote the next major phase of mobile telecommunications standards beyond the upcoming 4G standards (expected to be finalized between approximately 2011 and 2013).Currently, 5G is not a term officially used for any particular specification or in any official document yet made public by telecommunication companies or standardization bodies such as 3GPP, WiMAX Forum or ITU-R. New 3GPP standard releases beyond 4G and LTE Advanced are in progress, but not considered as new mobile generations. The implementation of standards under a 5G umbrella would likely be around the year of 2020 .5G Technology stands for 5th Generation Mobile technology. 5G technology has changed the means to use cell phones within very high bandwidth. User never experienced ever before such a high value technology. Nowadays mobile users have much awareness of the cell phone (mobile) technology. The 5G technologies include all type of advanced features which makes 5G technology most powerful and in huge demand in near future.

**PRAVIN.S**  
**I Yr**

## **GLASS**

This report provided a short survey of the field of commercial transfer of money, technological requirements, highlighting application domains and currently available solutions. The report is organized as follows: Section 1 presents the background and motivation of latest trend avoiding paperwork's on a large basis and identifies typical applications of glass technology. Section 2 discusses the features and application winding around the world on government basis. Section 3 surveys the current possibilities of implementing the technology in each and every commercial area. Section 4 approaches the current software's and device configurations, its service and repair centers and stability to support the creation of green environment and Section 5 summarizes the report.

**MANIKANDAN.G, MANOJ KUMAR.G**  
II Yr

## **ANDROID MARSHMALLOW 6.0.1**

Android marshmallow 6.0.1 is a updated version lollipop 5.0.It was released by Google on September 29,2015 and it was first available on Nexus 5,Nexus 6, and Nexus9.It has several new features like Doze, Android Pay, USB Type C, Adoptive Storage, System UI Tuner, Custom Google tabs, Clear Permission System and many more. Android Marshmallow is visually similar to its predecessor, Lollipop, in many ways. Google's Material Design language is now more pervasive than ever before and the main areas of the UI – settings, notifications shade and navigation – remain the same.

**PAVITHRAN.M, PREM KUMAR.D**  
IV Yr



## **VIRTUAL REALITY**

Virtual Reality (VR), sometimes called Virtual Environments (VE) has drawn much attention in the last few years. Extensive media coverage causes this interest to grow rapidly. Very few Peoples, however, really know what VR is, what its basic principles and its open problems are. In this paper a historical overview of virtual reality is presented, basic terminology and classes of VR systems are listed, followed by applications of this technology in science, work, and entertainment areas. An insightful study of typical VR systems is done. All components of VR application and interrelations between them are thoroughly examined: input devices, output devices and software. Additionally human factors and their implication on the design issues of VE are discussed. Finally, the future of VR is considered in two aspects: technological and social. New research directions, technological frontiers and potential applications are pointed out. The possible positive and negative influence of VR on life of average people is speculated.

**KOUSHIKA.J, KOWSALYA.M**  
**III Yr**

## **STATISTICAL ANALYSIS SYSTEM**

Some people see data as facts and figures. But it's more than that. It's the lifeblood of business. It contains your organization's history. And it's trying to tell you something. SAS( Statistical Analysis System ) helps you make sense of the message. As the leader in business analytics software and services, SAS transforms your data into insights that give you a fresh perspective on your business. What we goanna do is hit you with our brief account on SAS. Explore with us the history, technical overview and software products of SAS with their demands in present technology.

**ENOCH PHILIP M K, SAMUEL S**  
**I Yr**

## **ENHANCED MULTI OWNER SECURITY SYSTEM IN CLOUD ENVIRONMENT USING OFFENSIVE DIGITAL FORENSICS AND DECOY TECHNOLOGY (DFD)**

Cloud Computing is a type of Distributed Computing, it has added advantages when compared to Cluster and Grid Computing then provides an economical and efficient solution for sharing group resource among cloud users nowadays it is a challenging issue so they introducing multi owner scheme (MOS) for data sharing by supporting dynamic groups efficiently so that revocation can be easily achieved but which guarantees any member in a group to anonymously utilize the cloud resource. So security issues rapidly arise when group owner adopted this MOS scheme. By leveraging group signature and dynamic broadcast encryption techniques, any cloud user will namelessly share files with others. In the meantime, the storage overhead and encryption computation cost of our scheme are independent with the number of revoked users. In count, we evaluate the security of our scheme with demanding proofs, and show the efficiency of our scheme in experiments. This project introduces new techniques for cloud security such as Digital Forensics and Offensive Decoy Technology using MOS scheme. These techniques are mainly used to give more security to the user files which is stored in the cloud storage. If any of the hackers are found by the server it will treat them into Decoy technology that is providing the fake files to the hackers

**GOPIKA K**  
**IIYr**

## **A SCALABLE AUTONOMOUS DIGITAL LIBRARY**

To build a scientific digital library and search engine, which automatically crawl and index Educational Digital Objects in the field of computer and information technology. To crawl and index Educational Digital Object in short span, Social Semantic Focused Crawler mechanism is used to utilizes the social web and semantic knowledge to crawl relevant resource from selected portion of web. Social Bookmarked Site (SBS) allow web user to store their preferences and search result of their interest in the form of bookmarks. The crawler also makes use of the Domain based conceptual ontology for semantic expansion search topics. A Meta Search Engine is created to calculate conceptual ranking for seed URLs. Finally metadata from these heterogeneous documents are collected by using Logical Entity Reorganization Technique.

**SAMSOLOMON.S, MARTINA HIGIS.S**

**III Yr**

## TEXT SUMMARIZATION ALGORITHM

The storage capacity has been increased which paves way for immense information collected from every corner of the globe is stored. Further, online media has simplified the reach towards the people. As the size is not limited, plenty of text information is available. Reading all the text is possible but it eats time. So, the summary of the text should suffice a reader. The automatic summarization of a huge text is one of the biggest challenges

**ISWARYA.M**  
**IV Yr**



## **BIG DATA**

Big data is a term for massive data sets having large, more varied and complex structure with the difficulties of storing, analyzing and visualizing for further processes or results. The process of research into massive amounts of data to reveal hidden patterns and secret correlations named as big data analytics. These useful information's for companies or organizations with the help of gaining richer and deeper insights and getting an advantage over the competition, for this reason, big data implementations need to be analyzed and executed as accurately as possible. This paper presents an overview of big data's content, scope, samples, methods, advantages and challenges and discusses privacy concern on it.

**SAADHANA.S**  
III Yr

## **A FRAMEWORK FOR RESOLVING CONFLICTS IN HETEROGENEOUS DATA BY TRUTH DISCOVERY**

In many applications, one can obtain descriptions about the same objects or events from a variety of sources. As a result, this will inevitably lead to data or information conflicts. One important problem is to identify the true information (i.e., the truths) among conflicting sources of data. It is intuitive to trust reliable sources more when deriving the truths, but it is usually unknown which one is more reliable a priori. Moreover, each source possesses a variety of properties with different data types. An accurate estimation of source reliability has to be made by modeling multiple properties in a unified model. Existing conflict resolution work either does not conduct source reliability estimation, or models multiple properties separately. In this paper, to resolve conflicts among multiple sources of heterogeneous data types, We model the problem using an optimization framework where truths and source reliability are defined as two sets of unknown variables. The objective is to minimize the overall weighted deviation between the truths and the multi-source observations where each source is weighted by its reliability. Different loss functions can be incorporated into this framework to recognize the characteristics of various data types, and efficient computation approaches are developed. The proposed framework is further adapted to deal with streaming data in an incremental fashion and large-scale data in Map Reduce model. Experiments on real-world weather, stock and flight data as well as simulated multi-source data demonstrate the advantage of jointly modeling different data types in the proposed framework.

**VALLIKANNU.A.R, MADHUMITHA D M**  
IV Yr



## ARISTA – Symposium



## **HAPPY SMILE**

A Rose can look Morose,  
A Moon will not make me swoon,  
But a smile from you will make me happy  
Enough to run a Mile.

By  
**KEERTHANA A**  
I Yr

## **FRIENDSHIP...**

It is Not about finding similarities,  
It is about respecting differences,  
You are not my friend because you are like me,  
But because I accept you and respect you the way you are...

By  
**VASANTH S**  
III Yr



## **Raising Children**

The best way  
To raise positive children  
In a negative world  
Is to have positive parents  
Who love them unconditionally  
And serve as excellent role models.

## **Parents**

Parents are the ultimate  
role models for children  
Every word, movement  
and action has an effect  
No other person or outside  
force has a greater  
influence on a child than  
the parent.

By

By  
**ARTHI ROSELIN M**  
II Yr



Look up not Down!!!  
Look forward not Back!!!  
Look out not in!!!  
Look for future not your Past!!!  
Forget what hurts you.  
But  
Never forget what if taught you!!!  
Decide your own path  
Not the copy of the other's  
Be a dream Achiever  
Not a Day Dreamer!!!  
Live for your life Goal  
Not for other's unsuccessful dream!!!  
Be smile and Be happy Forever  
Because it's our Life and Our dream!!!

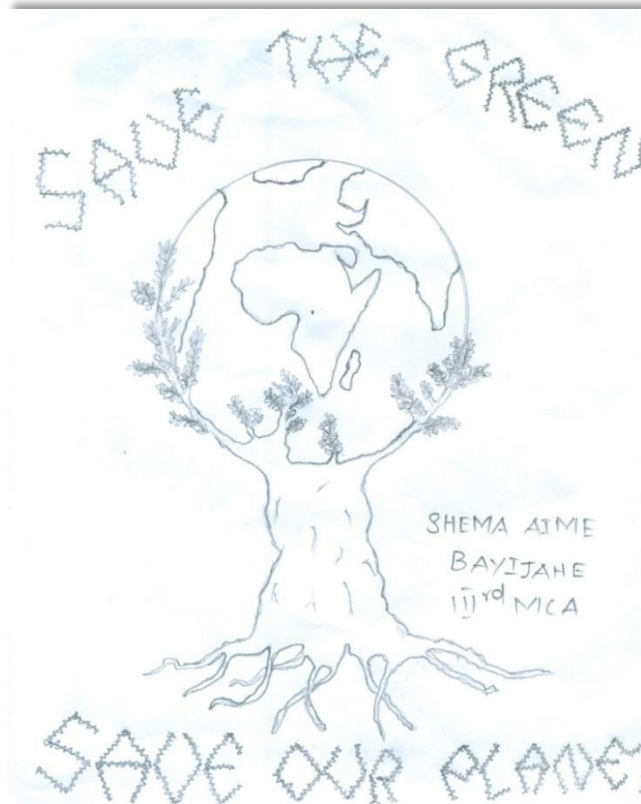
By  
**PADMAJAA.B**  
IV Yr











**BISHWAJITH T R**  
**II Yr**

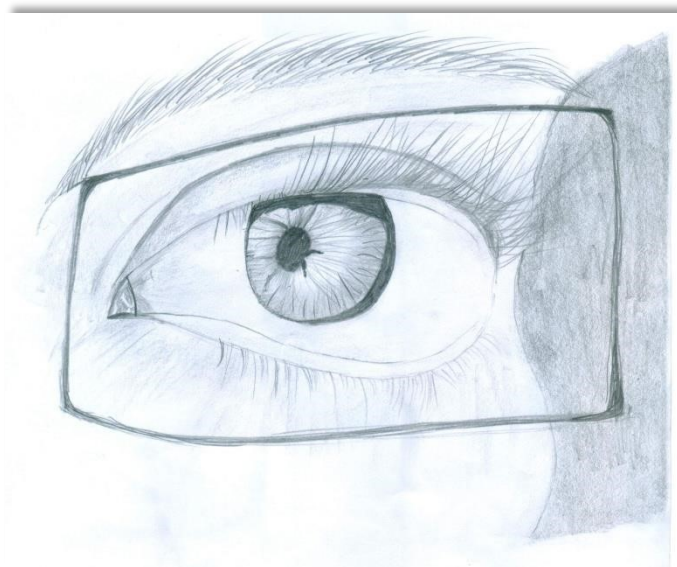


**PAVITHRAYANI K**  
**II Yr**



**JANARTHAN. P**

**I Yr**

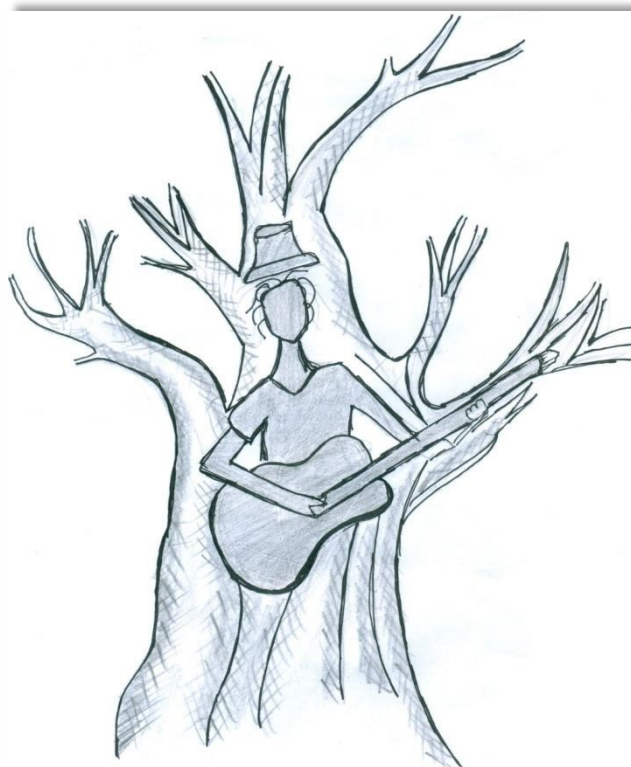


**PAVITHIRA B**

**I Yr**



SASIVESAIP  
III Yr



ROSHINI.R  
IV Yr



MEMORIES OF VARIOUS EVENTS

