

[Home](#) » [VIT University](#) » Lokeshkumar Ramasamy**Lokeshkumar Ramasamy**VIT University | VIT · computer science
M.Tech., PhD[Contact](#)[About](#)[Publications](#) **37**[Network](#)[Projects](#) **1**

37
Publications
4,053
Reads ⓘ
34
Citations

Introduction

Lokeshkumar Ramasamy currently works at the School of Computer Science and Engineering, VIT -Vellore. Lokeshkumar does research in Data Mining. Their current project is 'Development of personalized and performance based E-Learning tool for the Existing E-Resources'.

Skills and Expertise

Data Mining and Knowledge Discov...

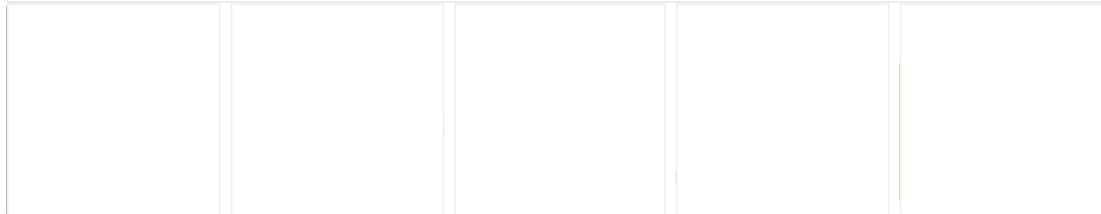
Classification

Web Mining





Publications (37)

Optimal Cluster Head Selection using Modified Rider Assisted Clustering for IoT[Article](#)

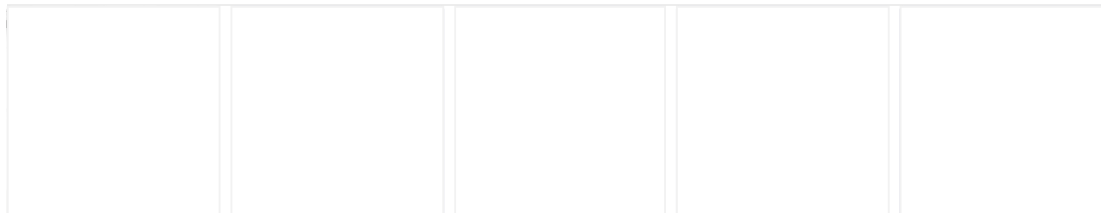
May 2020

 Ravi Kumar ·  Lokeshkumar Ramasamy[View](#)**Analyses and Modeling of Deep Learning Neural Networks for Sequence-to-Sequence Translation**[Article](#)[Full-text available](#)


May 2020

 Lokeshkumar Ramasamy ·  Jayakumar Kaliappan ·  Vishal Prem ·  Mark Sheridan Nonghuloo

Statistical machine translation has allowed us to construct models for translating a sequence of text from one language into another, but this model has its limitations in terms of translating material that is not similar to content from the training corpora. This leads to the use of neural machine translation that uses Encoder Decoder Network on a...

[View](#)**Patient Health Informatics System using Cloud computing and IoT**[Article](#)[Full-text available](#)





Mar 2020

 Lokeshkumar Ramasamy[View](#)**Red Traffic Light Detection in An Image Using Hough Transform**

Research

[Full-text available](#)





Mar 2020

 K R Jothi ·  Lokeshkumar Ramasamy ·  Supri Anto · [...] ·  Utkarsh Krishak[View](#)**A Low-Cost Cloud based Smart Flood Detection and Alert System**

Article

[Full-text available](#)

Mar 2020

 G Murali ·  K R Jothi ·  Lokeshkumar Ramasamy · [...] ·  G Ravikumar

Among the numerous natural disasters, floods is an overflow of water that can destroy many lives and society. It occurs mainly due to heavy rainfall and dam overflow. It affects in highly manner to people's lives and area; hence government would end up spending more resources to recover the affected region. Therefore it becomes crucial to develop...

[View](#)**Web application for Accident Emergency in Nearby Hospitals and Donor Locator**

Article

[Full-text available](#)

Mar 2020

 R Mohanasundaram ·  R Arun ·  K R Jothi · [...] ·  Lokeshkumar Ramasamy

Emergency services at the time of road accidents are crucial for rescuing people in need of critical medical attention. Most road accidents lead to deaths when the victims don't make it to the hospital in time or when his requirements aren't met in a short period. Involving smartphones in the field of emergency medical services can boost the quality...

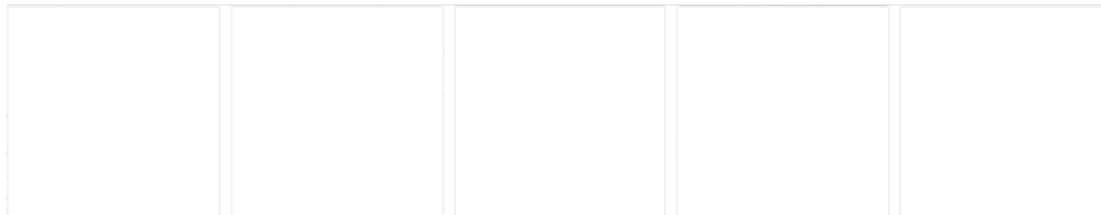
[View](#)**Prediction of Multi Drug Resistant Tuberculosis using Machine Learning**

Techniques[Preprint](#)[Full-text available](#)

Mar 2020



Lokeshkumar Ramasamy

[View](#)**A NOVEL CLUSTER HEAD SELECTION USING IFFOA IN INTERNET OF THINGS**[Preprint](#)[Full-text available](#)

Mar 2020



Lokeshkumar Ramasamy

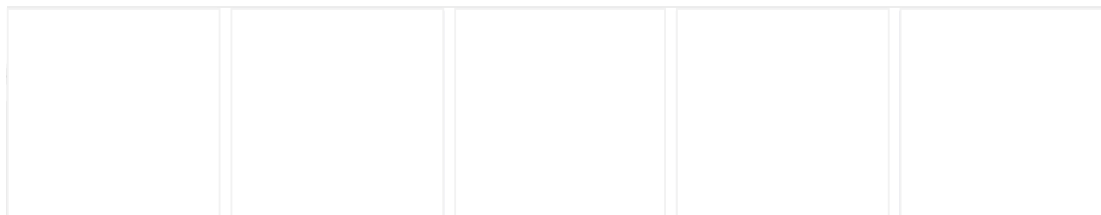
[View](#)**A Novel Approach to Extract and Analyse Trending Cuisines on Social Media**[Chapter](#)[Full-text available](#)

Mar 2020







Lokeshkumar Ramasamy · Omkar Vivek Sabnis · Saikat Bhattacharyya

In this technological era, we have seen a huge increase in the number of reviewing sites in the internet. In case of online food delivery stores, these reviews are very important as they, on the whole express public sentiment towards a particular restaurant or cuisine. In this paper, we are proposing an approach to predict which cuisines and restau...

[View](#)**Scheduling of Independent Tasks over Virtual Machines on Computational Cloud Environment**[Article](#)[Full-text available](#)

Jan 2020



 Shivam Bhagwani ·  Akshat Shrivastava ·  Arpan Shrivastava ·  Lokeshkumar Ramasamy

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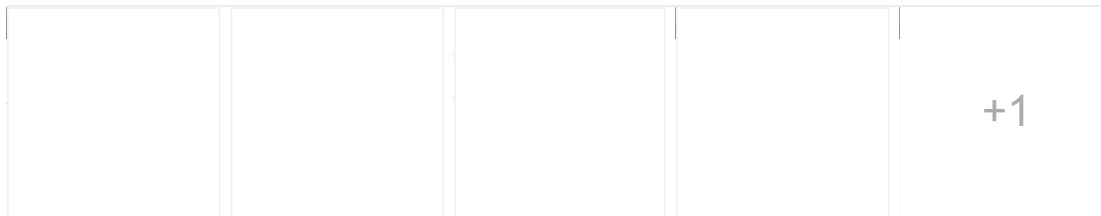
A Comparison of Machine Learning Algorithms in Fake News Detection

Article [Full-text available](#)

Dec 2019

 Faraz Ahmad ·  Lokeshkumar Ramasamy





Fake news has turned out to be a menace. Distinguishing Fake news is a critical advance towards safeguarding the uprightness and prosperity of the society. With the increasing popularity of social media, there's an upsurge in the propagation of counterfeiting news. There is a lack of proper frameworks for dealing with fake news. The proposed work a...

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Optimization of bioactive compounds extraction assisted by microwave parameters from *Kappaphycus alvarezii* using RSM and ANFIS modeling

Article [Full-text available](#)

Dec 2019

 Suraj Baskararaj ·  Panneerselvam Theivendren ·  Ponnusamy Palanisamy · [...] ·  Selvaraj Kunjiappan

The main focus of present study is to optimize the extraction parameters for maximum yield of biomass, β -carotene and chlorophyll content and their antioxidants from *Kappaphycus alvarezii* by response surface methodology (RSM) along with adaptive

neuro-fuzzy inference system (ANFIS). Central composite rotatable design of RSM was applied to optimize...

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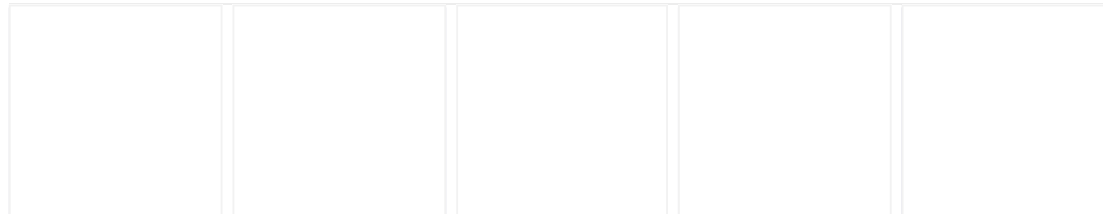
Determination of Relief Centre's in Floods by Using Facebook JSON Data and providing Social Information Analysis

Article [Full-text available](#)

May 2019

● Garvit Khurana · ● Lokeshkumar Ramasamy

A fully interactive system that allows users to access the nearest relief centre's by using integration of geolocation, GPS and multimedia data collected from the user's smartphone and using Social Information analysis of Facebook JSON data. The user will be able to share the content with other socialites in the social network. Our paper is based o...

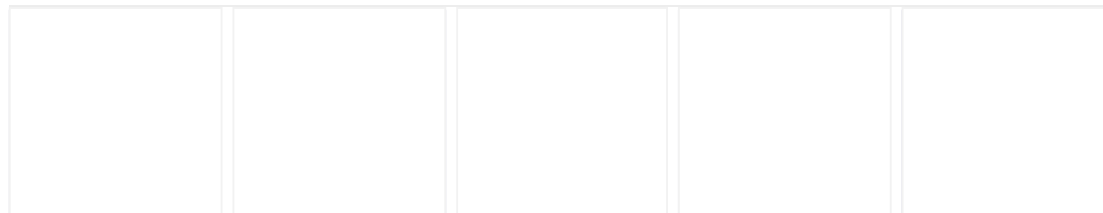
[View](#)

A Novel Approach for Web Usage Prediction and Recommendation Using Web Session Clustering

Article [Full-text available](#)

May 2019





● Lokeshkumar Ramasamy · ● K. R Jothi · ● Supri Anto · ● Somula
Ramasubbareddy

[View](#)

Qualitative Analysis of Models and Issues in Recommender Systems

Article [Full-text available](#)

May 2019

 K. R Jothi ·  Lokeshkumar Ramasamy ·  Supri Anto ·  Gauri Tyagi[View](#)

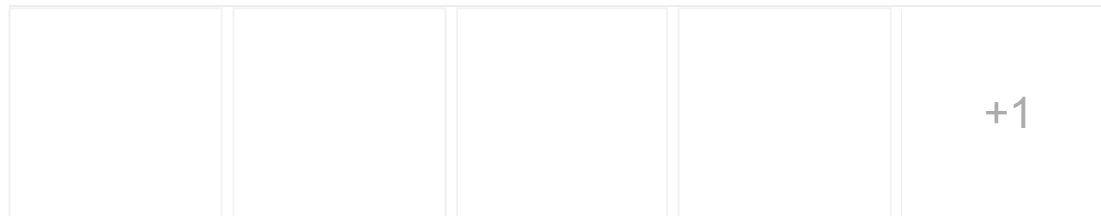
An Improved Fruit Fly Optimization (IFFOA) based Cluster Head Selection Algorithm for Internet of Things

[Article](#)

Apr 2019

 Ravi Kumar ·  Lokeshkumar Ramasamy

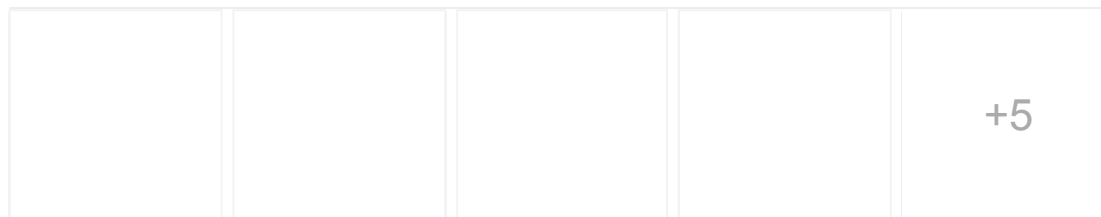
Efficient data broadcasting to nodes of the target is feasible due to the Internet of Things (IoT) which includes a battery priced at a small value and having a smaller size, along with nodes that are hinged with aggregate for sensing which consume a small amount of power. In technique related to routing an essential part is played by clustering su...

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A novel object detection system for improving safety at unmanned railway crossings

[Conference Paper](#)[Full-text available](#)

Mar 2019

 Omkar Vivek Sabnis ·  Lokeshkumar Ramasamy[View](#)

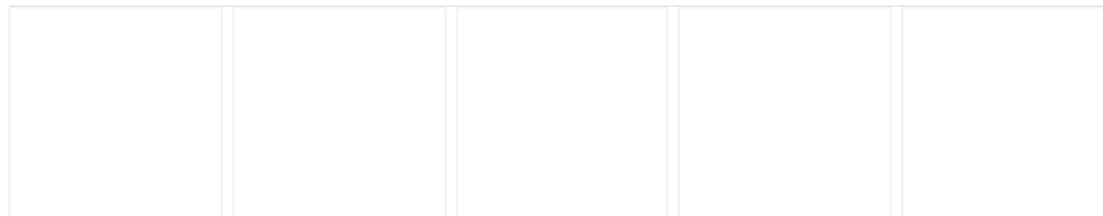
An approach to webpage prediction method using variable order markov model in recommendation systems

[Article](#)[Full-text available](#)

Jan 2018

● Gopalakrishnan Thirumoorthy · ● P. Sengottuvelan · ● A. Bharathi · ●
Lokeshkumar Ramasamy

With the continuous increase of web applications and services, web usage data have been overloaded and handling that dynamic web information is very challenging task. Personalized web recommender systems are evolving to provide better and tailored experiences for online users than ever before. The personalization technique is carried out for the ea...

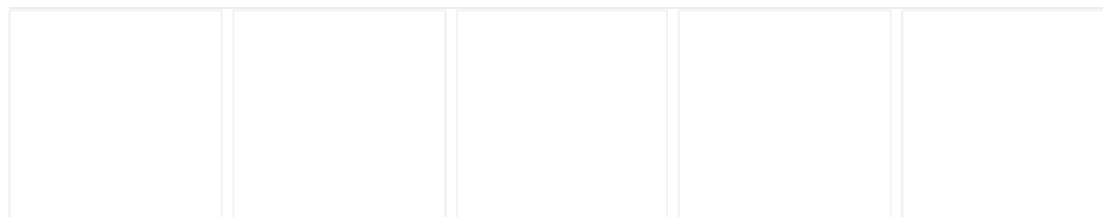
[View](#)

A new perspective for decision makers to improve efficiency in social business intelligence systems for sustainable development

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Jan 2018

● A. Bharathi · ● E. Maruthavani · ● Lokeshkumar Ramasamy

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A new perspective for decision makers to improve efficiency in social business intelligence systems for sustainable development

[Article](#)[Full-text available](#)

Jan 2018

● Lokeshkumar Ramasamy · ● E. Maruthavani · ● A. Bharathi

Business intelligence is an umbrella term for different business overseeing forms in view of well informed choices, which prompt to make decisions at the top level inside organisations. The general system for characterising the social point of view is subject of the present open deliberation, the social information being displayed inside an informa...

[View](#)

A Framework To Integrate Feature Selection Algorithm For Classification Of High Dimensional Data

[Article](#) [Full-text available](#)

May 2016

● Lokeshkumar Ramasamy

The explosive usage of social media produces huge quality of unlabeled and high-dimensional data. The data characteristic with this choice has been tested to be powerful in handling excessive-dimensional facts for effective learning and data mining. In this high-dimensional unsupervised function choice stays a tough task due to the absence of label...

[View](#)

Heterogeneous Link Prediction Technique in Personalized E-Learning System using SVM

[Article](#) [Full-text available](#)

Jan 2016

● Gopalakrishnan Thirumoorthy · ● P. Sengottuvelan · ● A. Bharathi · ● Lokeshkumar Ramasamy

Personalized learning system is an online educational system; it is used to predict the learner's most prepared learning styles. Preferences of learning styles are found through way of linking different types of materials over the web. Deal of these website links, the link prediction is introduced; it is a problem technique in many online social ne...

[View](#)

An Efficient and Novel technique to Cluster the User Interests in E-commerce with Web Usage Mining for Web Personalization

[Article](#) [Full-text available](#)

Jan 2016

● Lokeshkumar Ramasamy · ● P. Sengottuvelan · ● A. Bharathi

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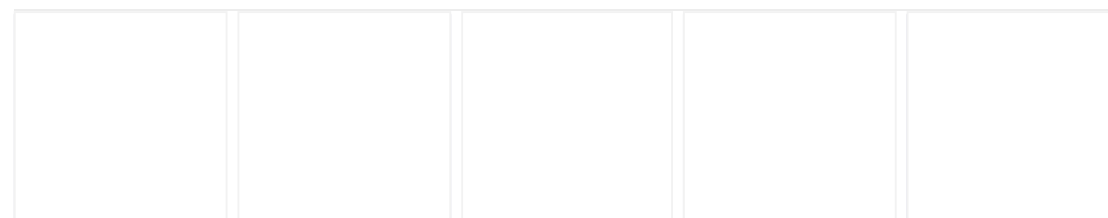
An Improved Session Identification Approach in Web Log Mining for Web Personalization

[Article](#)[Full-text available](#)

Sep 2015

● P. Sengottuvelan · ● Lokeshkumar Ramasamy · ● Gopalakrishnan Thirumoorthy

This Web based applications are increasing at an enormous speed and as a result its users are also increasing at an exponential speed. The innovative and evolutionary changes in technology have made it possible to capture the user's fundamental nature and interactions with web applications through web server log file as web usage. In order to design...

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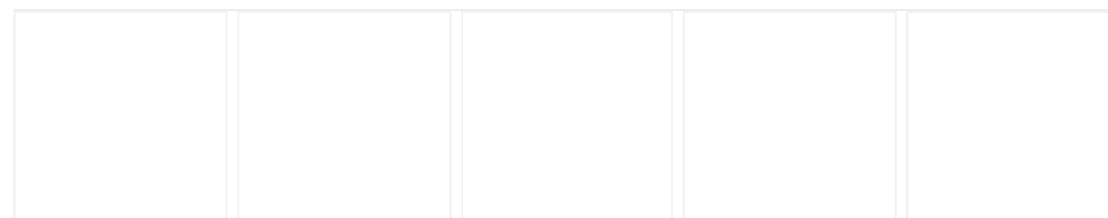
SESSION IDENTIFICATION IN WEB USAGE MINING TO PERSONALIZE THE WEB

[Article](#)[Full-text available](#)

Jun 2015

● P. Sengottuvelan · ● Lokeshkumar Ramasamy · ● D C Karthikkumar · ● R Sindhuja

The World Wide Web becomes very popular and interactive for transferring of Information. Web usage mining is the area of data mining which deals with the discovery and analysis of usage patterns from Web data, specifically web logs, in order to improve web based applications like E-Commerce. Web site owners have trouble identifying customer purchases...

[View](#)

A recommendation system for personal learning environments based on learner clicks

[Article](#) [Full-text available](#)

Jan 2015

● P. Sengottuvelan · ● Gopalakrishnan Thirumoorthy · ● Lokeshkumar Ramasamy · ● M. Kavya

It is an elementary for different learners demanding for suitable learning contents in e-learning environment. Personalized learning and recommendations are used to enhance the activities of learners in web oriented learning environment and this technology can deliver suitable learning resources to learners. The proposal of various electronic learni...

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Inferring users search goal with feedback sessions in web usage mining for web personalization

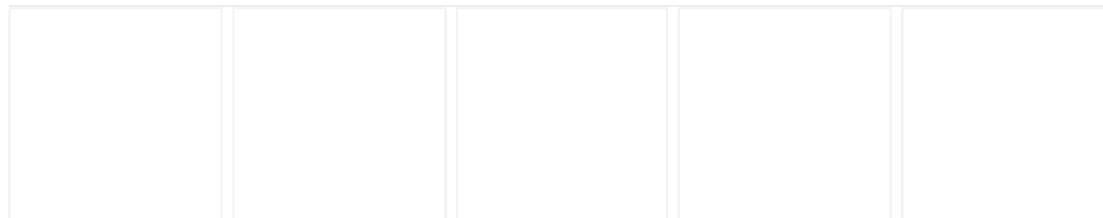
[Article](#) [Full-text available](#)

Jan 2015

● P. Sengottuvelan · ● Lokeshkumar Ramasamy · ● R. Sindhuja · ● D.C. Karthik Kumar

Web mining is to discover and extract useful Information. Different users may have different search goals when they search by giving queries and submitting it to a search engine. The inference and analysis of user search goals can be very useful for providing an experience result for a user search query. In this project, we propose a novel approach...

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A Novel Approach to Improve Users Search Goal in Web Usage Mining

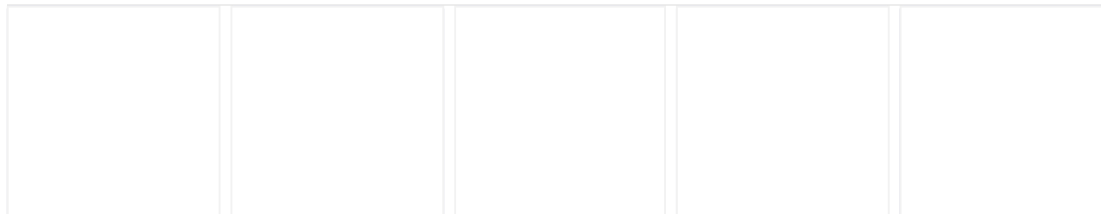
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Jan 2015

● Lokeshkumar Ramasamy

Web mining is to discover and extract useful Information. Different users may have different search goals when they search by giving queries and submitting it to a search

engine. The inference and analysis of user search goals can be very useful for providing an experience result for a user search query. In this project, we propose a novel approach...

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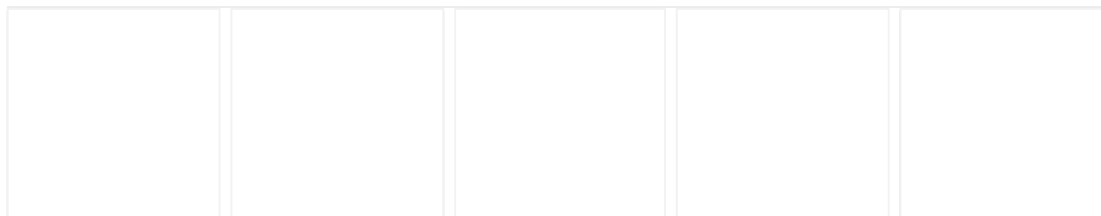
A Comparative Study of Recommendation System Using Web Usage Mining

[Article](#)[Full-text available](#)

Nov 2014

● Lokeshkumar Ramasamy

Web Mining is one of the Developing field in research. Exact custom of the Web is to get the beneficial material in the sites. To reduce the work time of user the Web Usage Mining (WUM) technique is introduced. In this Technique use Web Page recommendation for the Web request from the user. For the recommendation system in Web Usage Mining (WUM) va...

[View](#)

A novel replica of fuzzy ontology for web information gathering

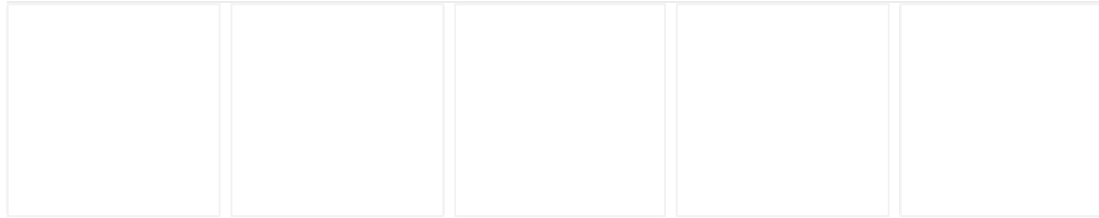
[Article](#)[Full-text available](#)

Oct 2014

● Lokeshkumar Ramasamy · ● M. Vina · ● P. Sengottuvelan

Information retrieval (IR) has become an active area of research in recent years to handle with the dynamic environment by establishing intelligent systems which can offer effective web content in real time to various wired or wireless devices. Evolutionary and adaptive systems (EASs) have been widely used. Web information gathering has been widely...

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An intuitive approach for web scale mining using W-miner for web personalization

Article [Full-text available](#)

Aug 2014

● Lokeshkumar Ramasamy · ● P. Sengottuvelan

Web usage mining performs mining on web usage data or web logs. It is now possible to perform data mining on web log records collected from the web page history. A web log is a listing of page reference data/click stream data. The behavior of the web page readers is imprinted in the web server log files. By looking at the sequence of pages a user a...

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A Survey on Preprocessing of Web Log File in Web Usage Mining to Improve the Quality of Data

Article [Full-text available](#)

Aug 2014

● Lokeshkumar Ramasamy

Web mining is to discover and extract useful information. In the internet era web applications are increasing at enormous speed and the web users are increasing at exponential speed. As number of users grows, web site publishers are having increasing their information for attracting and satisfying users. it is possible to trace the users' essence a...

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An Approach for Web Personalization using Relational Based Fuzzy Clustering Ontology Model

Article [Full-text available](#)

Mar 2014

● Lokeshkumar Ramasamy · ● P. Sengottuvelan

Information retrieval (IR) has become an active area of research in recent years to handle with the dynamic environment by establishing intelligent systems which can offer effective web content in real time to various wired or wireless devices. Evolutionary and adaptive systems (EASs) have been widely used. Web information gathering has been widely...

[View](#)

Document Image Segmentation for Analyzing of Data in Raster Image

Article

[Full-text available](#)

Sep 2012

● P. Sengottuvelan · ● R Arulmurugan · ● Lokeshkumar Ramasamy

This paper focuses on the needs of developing an automated Digital Library Management system .The purpose is to automate the task of analyzing data containing in raster image documents for the purpose of intelligent information retrieval in digital library. An efficient and computationally fast method for segmenting text and graphics part of docume...

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Gesture Recognition using a Touch less Feeler Machine

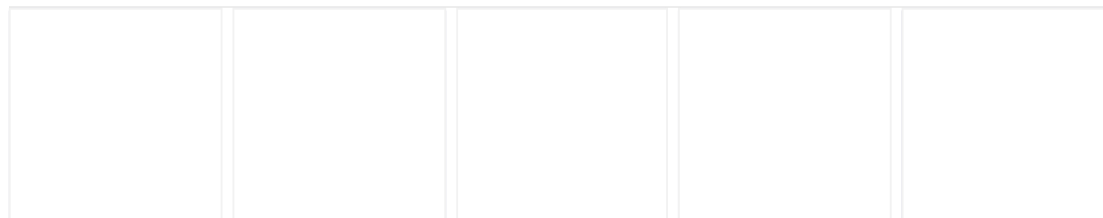
Article

[Full-text available](#)

Jul 2012

● M. Shanmugapriya · ● Lokeshkumar Ramasamy · ● V. Vimal Kumar

paper proposes a method to recognize hand gestures from a video and use the same for mouse controls. It uses coloured gloves to detect specific region of hand easily. By using this method, The occlusion problem due to colour can be treated easily. Hand gestures are recognized by tracing the RGB colours from the markers automatically from the propos...

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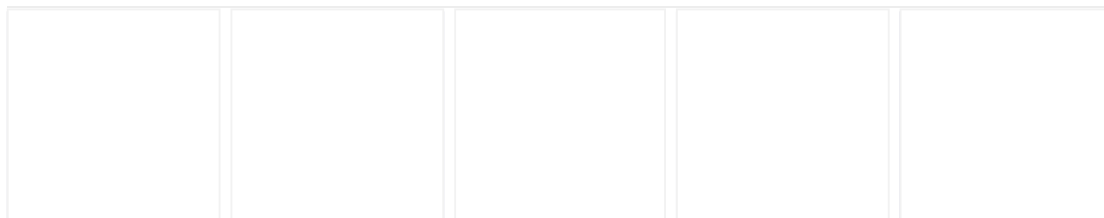
A Relational Based Fuzzy Clustering To Mine User Profiles for Web Directory Personalization

[Article](#) [Full-text available](#)

Jun 2012

● Lokeshkumar Ramasamy

Abstract - The log data at a search engine can be used to analyze users' search behavior and to develop search technologies to improve users' search experiences. Web usage mining performs mining on web usage data or web logs. A web log is a listing of page reference data/clickstream data. The behavior of the web page readers is imprint in the web s...

[View](#)

A Framework for Mining Weighted Association Rule Using Hits Progress

[Article](#) [Full-text available](#)

Aug 2010

● Lokeshkumar Ramasamy

Data mining is to extract useful information from a vast amount of data, typically a large database. Association rule mining is a key issue in data mining, which follows link analysis technique. The goal of this technique is to detect relationships or associations between specific values of categorical variables in large data sets. This is a common...

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Network

Cited

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**Tasawar Hussain**

Mohammad Ali Jinnah University

**Ephraim McLean**

Georgia State University

**Mohd Helmy Abd Wahab**

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Universiti Utara Malaysia

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**Sankarganesh Arunachalam**

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**Parasuraman Pavadai**

M. S. Ramaiah University of Applied Sciences

**Joel Rodrigues**

Federal University of Piauí

**Oladayo Adeyi**

Cape Peninsula University of Technology

Projects

Project (1)

Development of personalized and performance based E-Learning tool for the Existing E-Resources[Project](#)[View](#)

Current institution

VIT University

computer science · Vellore, India

Current position

Professor (Associate)

Ravi Kumar's Lab

Co-authors

Top co-authors

**P. Sengottuvelan**

Periyar University

**Uma Priya Mohan**

Kalasalingam University

**Ravi Kumar**

VIT University

**Ravi Kumar**



Faraz Anmao
VIT University



Suraj Baskararaj

All co-authors (44)

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