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Present Status

1. Pursing PhD at IIIT-H.
 - a. Research areas are Data Mining and Web mining.
 - b. Topic: Effectively mining rare knowledge patterns.
2. Working as a project associate in eSagu: IT based Personalized Agro-advisory System. <http://www.esagu.in>

Education

Course	College/University	Percentage/ Grade	Year of Passing
Ph. D	International Institute of Information Technology, Hyderabad.	8/10	pursing
Research Methodology and Decision Making	Indian Institute of Science, Bangalore	6/8	2005
MS (IT in Agriculture)	DA-IICT, Gandhinagar, Gujarat	3.3/4.0	2005
B-Tech (Ag)	Agricultural Engineering College, Bapatla, Andhra Pradesh	7.2/10 OGPA	2003
Intermediate	Sri Siva Reddy Junior College	69.8 %	1999
S. S. C	Nagarjuna English Medium School	68 %	1997

Work Experience:

1. From past 5 years, I have been working in eSagu: An IT based Agro-Advisory System as a project associate at IIIT-Hyderabad and developed several systems (discussed later).
2. Worked in ICRISAT for 6 months in Learning Content Management systems.

Research Publications:

Journal Publications

S.No	Publications
1	R. Uday Kiran, P. Krishna Reddy, M. Kumara Swamy and G. Syamasundar Reddy , Analyzing Dynamics of Crop Problems by Applying Text Analysis Methods on Farm Advisory Data of eSagu™, International Journal of Computational Science and Engineering (IJCSE), 2010, Inder Science Publishers (to appear)

Conference Publications

S.No	Publications
1	R. Uday Kiran, P. Krishna Reddy: Understanding the Dynamics of Crop Problems by Analyzing Farm Advisory Data in eSagu™. DNIS 2007: 272-284.
2	R. Uday Kiran and P. Krishna Reddy: An Improved Multiple Minimum support Based Approach to Mine Rare Association Rules, 2009 Symposium on computational Intelligence and Data Mining, IEEE, 2009.
3	R.Uday Kiran and P.Krishna Reddy: An Improved Frequent Pattern-growth Approach to Discover Rare Association rules, in the proceedings of International Conference on Knowledge Discovery and Information Retrieval (KDIR 2009), 2009 October 6-8, Madeira, Portugal.
4	R.Uday Kiran and P.Krishna Reddy: Mining Periodic-Frequent Patterns Using Multiple Minimum Supports, 15th International Conference on Management of Data (COMAD 2009) 2009, December 9-12, Mysore, India.
5	Mittapally Kumara Swamy, P. Krishna Reddy, R. Uday Kiran, M. Venugopal Reddy: Interface Tailoring by Exploiting Temporality of Attributes for Small Screens. DNIS 2010: 284-295.
6	R. Uday Kiran, P. Krishna Reddy: Mining Rare Association Rules in the Datasets with Widely Varying Items' Frequencies. DASFAA 2010: 49-62.
7	R. Uday Kiran, P. Krishna Reddy: Mining periodic-frequent patterns with maximum items' support constraints. Bangalore Compute Conf. 2010.
8	R. Uday Kiran, P. Krishna Reddy: An Efficient Approach to Mine Rare Association Rules Using Maximum Items' Support constraints. To be appeared in British National Conference on Databases

	(BNCOD 2010).
9	R. Uday Kiran, P. Krishna Reddy: Improved Approaches To Mine Rare Association Rules in Transactional Databases. To be appeared in Fourth SIGMOD PhD Workshop on Innovative Database Research (IDAR 2010).
10	R. Uday Kiran, P. Krishna Reddy: Towards Efficient Mining of Periodic-Frequent Patterns in Transactional databases. To be appeared in DEXA 2010.

Projects Undertaken

1. Design and development of eSagu system into Smart phones

Place : IIIT-H.

Funding agency : Nokia, Finland and Media Lab Asia, Ministry of Information and Communication Technologies, New Delhi, India.

Duration : Since 2006

Technologies : Java, J2ME, GPS, MYSQL.

Description :

The eSagu: An IT based Agro-advisory system (www.esagu.in) is being developed to help Indian farming communities to receive expert advisories to their farm problems. This system contains several processes like capturing the farm information, delivering farm information to agricultural experts at lab, advisory delivery system by agricultural experts and delivering the advices back to farmers.

Earlier (before 2006) all these operations are being done using the normal desktops. However, lack of electricity etc at rural places motivated for usage of smart phones. In this regard, the entire system is redesigned optimally in the areas of user interfaces and programming logic so as to take of processing limitations, limited power and difficulty in user input.

The project is implemented in series of Nokia mobile phones (Nokia N80 to N95) in 3 villages of Warangal district, Andhra Pradesh, India.

Role: Along with 10 people (students from IIIT-H) and myself as the team leader performed this task.

2. Design and development of eSaguGIS system (eSagu Geographical Information System)

Place : IIIT-H.
Funding agency : Media Lab Asia, Ministry of Information and Communication Technologies, New Delhi, India.
Duration : Since 2005
Technologies : Java, Map server, Apache web server and MYSQL (spatial).

Description

In eSagu system, a set of agricultural experts delivers advices to a village. During delivering of advices, they need the spatial view of the farms and the problems they are facing, so that they can deliver affective advices. This need motivated to developed eSaguGIS system.

In eSaguGIS system, other than simply displaying spatial information, new concepts like **spatial imagery locks** etc. have been proposed and being implemented.

The project is implemented in total of 10 villages in different districts of Andhra Pradesh, India.

Role: Initial system is completed designed by myself. Later, to assist me 4 more people (students from IIIT-H) are allocated to me.

References

- 1. Name** : **Dr. P. Krishna Reddy**
Designation : Professor,
Organization : IIIT, Hyderabad,
Email : pkreddyATiiit.net
- 2. Name** : **Dr. N. J. Rao**
Designation : Retd. Chairman for Department of Management Studies
Organization : IISc, Bangalore
Email : njraoATiisc.ernet.in
- 3. Name** : **Dr. B. Bhaskar Reddy**
Designation : Research Professor
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Note: Kindly replace AT with '@' to send emails.