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Present Status

Working as a project associate in eSagu: IT based Personalized Agro-advisory System.

Education

Course	College/University	Percentage/ Grade	Year of Passing
Ph. D.	International Institute of Information Technology, Hyderabad.	Pursuing	2007
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:

Project associate in eSagu: An IT Based Agro-Advisory System.
 URL: <http://esagu.in/>

Technical Skills Summary

In Computer Field:

Languages	C, JAVA, NetLogo, JavaScript, J2EE and J2ME, PHP
Tools	Visual Basic, MS- Office, MS front page, Macromedia DreamWeaver MX, Macromedia Flash MX, Photoshop 6, ARCVIEW 3.1, ARCINFO, ENVI, Reload Editor, Reload SCORM player, Alted SCORM player, Atutor.
Web Technologies	HTML, DHTML, XML, Java Script , JSP
Platforms/ Systems	Operating Linux, Windows NT and SUN Sparc 8
Web Servers	IIS, Apache, Jakarta – tomcat.
Data Bases	MySql and MS- Access
IDE's	NetBeans 3 to 6.0

Familiar about scripting languages for Client and Server Side. Good grip on Content Management System and Learning Management System using SCORM.

In Agricultural Field:

Subjects : Farm Machinery and Automation and Soil and Water Conservation.

Familiar with most of the field crops, horticultural crops cultivation practices and different insects, bio-agents, damage patterns identification, pest control measures, field layouts, rearing of insect pests, conducting field & lab experiments during my bachelor and Master programmers in Agriculture science.

Programmes/Projects Undertaken

1. Study on need of aeration of bins for Grain Harvesting

Place : Bapatla, Guntur dist.
Role : Project Leader.
Duration : 6 months

Description : The purpose is to study the need of aeration and how the moisture content movement in bins changes based on daily temperatures. How to improve the grain storage period.

Done as an academic fulfillment of Bachelor Degree.

2. Web Portal Development

Place : DA-IICT, Gandhinagar, Gujarat
Role : Designer, Programmer and team coordinator
Duration : 4 months
Technologies : HTML, DHTML, ASP, Oracle 8i, Adobe photoshop, Flash MX

Description : Developed a Market Info Net website, which gives the up to date commodity market price information in the different existing market yards in Gujarat, besides this the site provides information on post harvest technologies, different acts, advanced agricultural technologies and agriculture related news. The main server is located in the state headquarters and the individual market yard administrators have the accessibility to their respective pages for updating the commodity market price information and news.

Done as an academic fulfillment of the Master degree in IT in Agriculture.

3. Designing and Developing the online registration and Bulk mailing software for NAARM Institute

Place : NAARM, Hyderabad, Andhra Pradesh.
Role : Project Leader.
Duration : 2 months (1st May 2004 to 1st July 2004)
Technologies : HTML, CSS, JavaScript, MS-Access and ASP.

Description : NAARM is an organization in which many Research Scholars, Professors of different Agricultural Universities take Teaching. So they need software through which the trained persons can be informed about new course syllabus etc., So for that purpose, they needed a package for online registration and Bulk mailing.

Done as a part of Summer Internship Programme during MS-IT in Agriculture.

4. Application of e-learning in agriculture : Designing a content management system for ICRISAT for the Virtual Academy for the Semi Arid Tropics.

Place : ICRISAT, Hyderabad, Andhra Pradesh
Role : Designer, Author, Developer and programmer
Duration : 4 months (7th January 2005 to April 30th 2005)
Technologies : Dreamweaver MX, Flash MX, Adobe Photoshop 6, Reload

Editor, Reload SCORM player, Alted SCORM Editor, Atutor,
HTML, XML, Java Script, Apache 1.3.29, Php 4.3.4, My SQL 3.23.58.

Description : The aim of this project is to develop SCORM (Sharable Content Object Reference Model) based agriculture course content packages (learning resources on different crops) for educating the farmers and NGO people. Developed content packages on ICRISAT mandatory crops and also on drought. Configured the 1.3.29, Php 4.3.4, My SQL 3.23.58 and Atutor servers for developing a Content Management System with the help of Atutor open source software, which is useful to provide a platform for delivering the prepared content packages.

Done as an academic fulfillment of the Master degree in IT in Agriculture.

5. System study and analysis – chai gallwalla

Place : Sector 2B, Gandhinagar, Gujarat.
Role : Individual
Duration : 4 months (1st July 2004 to 30st December 2004)

Description :

It is done as a part of system study, analysis and proposing a new system. Previously chai wala used to sell only milk, tea and coffee. We suggested to have one more shop related to the previous one, i.e., to sell cigarettes etc., so that people who are coming for tea can also have cigarettes so that he can earn more and also he could attract the persons. In the end the person who was getting 200 Rs. Daily started getting 500 Rs. and he used to get more profit in the second shop rather than in first shop.

6. Multimedia presentation on WHEEL

Place : DA-IICT, Gandhinagar, Gujarat.
Role : Team member
Duration : 4 months (2nd January 2004 to 30th April 2004)
Description : It is done a part of Multimedia course. In this we had a system study about wheel in various aspects of life and in nature.
Technology : Flash MX 2004, Photoshop 7, HTML.

7. History of Advice summarization in eSagu: IT based Personalized Agro-Advisory System

Place : IIIT, Hyderabad.
Role : Project Associate
Duration : 6 months
Description : eSagu is an IT based Personalized Agro-Advisory System. In eSagu, agricultural experts observe the farm condition, analyze the previous farm condition and delivers advices. During observing the previous farm condition and the advice delivered, ample amount of time is being wasted in going through the entire advice. So to minimize the time taken to read the advice, we have used “Information Retrieval” techniques to summarize the advices.
Technology : Java, Mysql.

8. Improving the performance of eSagu system using Mobile Technologies

Place : IIIT, Hyderabad.
Role : Project Associate
Duration : currently going on
Description : eSagu is an IT based Personalized Agro-Advisory System. In eSagu, instead of agricultural experts visiting the farmers field and delivering advices, the coordinators capture the farm information and sends them to the experts at lab, where experts deliver advices. In this process, the coordinators are utilizing ample time in recording the farm information in paper and then digitizing it. To address this problem, we have designed a mobile solution, where coordinators can capture the farm data and can deliver to the agricultural experts.
This project is done in collaboration with Nokia-Research, Netherlands.

9. Improving the quality of advices by Geo-referencing of farms

Place : IIT, Hyderabad.
Role : Project Associate
Duration : currently going on
Description : In esagu, to deliver agro-advisories, the agricultural experts needed the provision to know how the problems are distributed across the different farms. This helps them to deliver much more qualitative advice.

Personal Information

Date Of Birth : 21st May 1982.
Nationality : INDIAN
Gender : Male
Languages Known : English, Telugu, Hindi and familiar with Gujarati.

Extra- curricular Activities

- Got first prize in intercollegiate sports meet in Shot-put.
- Record holding for winning 4 times Shot-put, hammer throw and disk throw in our college.
- Actively participated in NSS programs.

References

- 1. Name** : **Dr. P. Krishna Reddy**
Designation : Associate Professor,
Organization : IIT, Hyderabad,
Email : pkreddyATiit.net
- 2. Name** : **Dr. N. J. Rao**
Designation : Retd. Chairman for Department of Management Studies
Organization : IISc, Bangalore
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- 3. Name** : **Dr. V. Balaji**
Designation : Head, IRMO
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