



# GEETHANJALI

Institute of Science and Technology

Department of Computer Science and Engineering

## Techies Chronicle

### “Driven to Discover”

#### AGILE METHODOLOGIES

Agile Methodologies are models used in the system development arena. The agile methodology has evolved in the mid-1990s as a part of reaction against traditional waterfall methods. That the Agile Methodologies were originating resulted from the use of the waterfall model were seen as bureaucratic, inflexible, slow, and inconsistent with the ways that software developers actually perform effective work. Agile development methods mark a return to development practice from early in the history of software development. Agile method is a software development method that is people-focused combinations oriented, flexible (ready to adapt to expected change at any time), speedy (encourage rapid and iterative development of the product in small releases), lean (focuses on shortening timeframe and cost and on improved quality), responsive (reacts appropriately to expected and unexpected changes), and learning (focuses on improvement during and after product development). Agile methods are a response to the drastic degree of change in the modern business and IT environments. There highly dynamic environments demand software development teams that can respond to change and continuously deliver business value. Agile methods generally promote a disciplined project management process that encourages frequent inspection and adaptation, a leadership philosophy that encourages teamwork, self-organization and accountability, a set of engineering best practices that allow for rapid delivery of high-quality software, and a business approach that aligns development with customer needs and company goals. The most important of these principles is: “The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.

Agile Methodologies appeal many people because they attempted a useful compromise between no process and too much process to gain a reasonable payoff. They are less document-oriented, usually emphasizing a smaller amount of document for a given task. Agile Methodologies are people-oriented more than process-oriented. Agile Methods assert that no process will ever make



up the skill of the development team, so the role of a process is to support the development team in their work. Moreover, thanks to its flexibility and team-oriented, agile methodologies is well suited to the current business environment which continues to change dramatically. Scrum was applied in 1990s by Ken Schwaber and Mike Beedle.

#### Editorial Board

**Faculty Editors:** P. Radhika, Asst. Professor, Sk. Asiff, Asst. Professor

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## Events organized

### ✚ Faculty Development Programmes

#### ✓ Five Day FDP on Home Automation Using IOT

The Department of computer science and Engineering has organized a five Day Faculty Development programme on "Home Automation Using IOT" from 21<sup>st</sup> – 25<sup>th</sup> Nov 2016. Mr.P Sai Sandeep, Associate Technical Operations, IBM, Bangalore has delivered a key note address and inculcated awareness on Home Automation Using IOT Technology for faculty members.



The FDP was designed to get exposure in the main facts of Home Automation Using IOT including Business processes in IOT and IOT reference model, creating project, preparing the file for real world design constraints, and finally IOT and provide knowledge to the participants in the area of IOT Technology. The application of Home Automation Using IOT Technology in the current industrial scenario was also discussed in details.

### ✚ Workshops

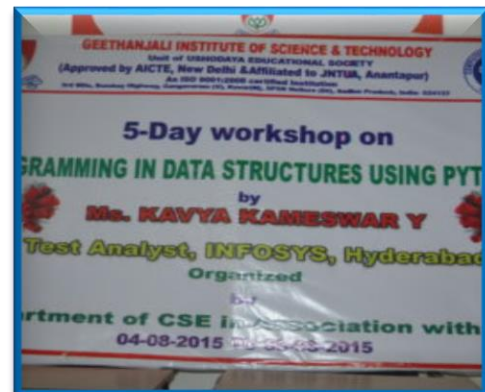
#### ✓ Five Day Workshop Programming in Data Structures using Python

A Five day workshop on Programming in Data Structures using Python was organized by the department of CSE, from 04<sup>th</sup> to 08<sup>nd</sup> August 2015 in collaboration with CSI. The resource person Ms. Y.Kavya Kameswar explained various concepts of data structures related aspects right from the fundamentals for II year I Semester B.Tech CSE students.

The workshop participants were able to successfully code and run their programs dynamically on hardware with ease after completion of the main sessions of the first module. In detailed demonstrations were given on various Applications and techniques.



The workshop turned out to be a major successful event, imparting lot of knowledge about Python and how to work with various Applications.



#### ✓ Two day Workshop on Ethical Hacking

A Two day Session on Ethical hacking by Mr. D.Sai Satish, CEO & Founder of

Indian Servers provided complete picture on various hacking techniques like how to protect the Websites, Mobile devices, Social Media Sites from hackers. Over hundreds of participants from different colleges attended the session. Some crucial topics that was handled in the workshop session are Google Hacking, Key Loggers, Google Dots, Social Engineering, Scanning, Email Hacking, DoS Attacks, Worms, Viruses, Trojans, SQL Injection and Windows Hacking.





Project Expo envisages three principle objectives Educating students, Sharing of innovations and creative ideas along with their effective implementation.

The Department of Computer Science and Engineering has taken up the initiative to organize the event of Project Expo to encourage, appreciate and create a platform for the aspiring students to develop diverse applications, projects in various areas such as Web Technologies, Data Mining & Warehousing, SAP, Networks etc., and to showcase their talents, innovative ideas, applications and projects developed exclusively by them. The event was novel with overwhelming response from the students.



#### ✚ National Conference - 2015

A One Day National Conference on “Advanced Technologies in Computer Science & Information Technology” NCATCSIT-2015 was held under the auspices of computer science & engineering department of Geethanjali Institute of Science and Technology on 14<sup>th</sup> August 2015 amid much fervor and enthusiasm.

Participating in the event as the Chief Guest , Sri A. Prasad , Associate Professor, HOD , Dept of CSE, Vikrama Simhapuri University, in his keynote address said that, engineering students play a genially significant role in the technological advancement of the country. He underscored the importance of learning computer language to achieve a successful career in the domain of computer science. He urged the students to upgrade and update their technical skills harnessing their creative and Innovative resources to built successful professional careers. Over 25 technical papers were presented at the conference from various engineering colleges in Tamilnadu, Karnataka, Telangana.



#### ✚ Industrial Visit

The Department of Computer Science & Engineering arranged a 3-day Tour to Ooty for IV year CSE students accompanied by two members of faculty. The students visited Tea Factory in Ooty and certain other places of interests around. The experience was enriching too many.





**✚ Faculty Contributions/Achievements**

- Dr. Y. Jahnavi published a paper on "Design Of Data Sharing Platform Using Bestpeer ++ Technology" National Conference on Advanced Technologies in Computer Science and Information Technology at Geethanjali Institute Of Science and Technology, Nellore, 14/08/2015.
- Dr. Y. Jahnavi published a paper on "Efficient Bandwidth utilization with congestion control for wireless mesh networks" National Conference on Advanced Technologies in Computer Science and Information Technology at Geethanjali Institute Of Science and Technology, Nellore, 14/08/2015.
- Ms.V.Gayatri published a paper on "Resource Depletion Attacks Wireless Adhoc Sensor Networks" National Conference on Advanced Technologies in Computer Science and Information Technology at Geethanjali Institute Of Science and Technology, Nellore, 14/08/2015.
- Ms. N. Siva Nagamani published a paper on "A Dynamic and Conciliation Approach in Web Service Composition for Enhancing Privacy" National Conference on Advanced Technologies in Computer Science and Information Technology at Geethanjali Institute Of Science and Technology, Nellore, 14/08/2015.
- Ms. P. Radhika published a paper on "A Novel Approach for Broken Character Recognition on Vehicle License Plates Using SVMs" National Conference on Advanced Technologies in Computer Science and Information Technology at Geethanjali Institute of Science and Technology, Nellore, 14/08/2015.
- Mr. K. Sreenivas published a paper on "A Systematic Application for Public Distribution- Ration Shop" National Conference on Advanced Technologies in Computer Science and Information Technology at Geethanjali Institute Of Science and Technology, Nellore, 14/08/2015.
- Mr. K. Sreenivas published a paper on "Hybrid Cloud Approach for Assured Authorized Deduplication" National Conference on Advanced Technologies in Computer Science and Information Technology at Geethanjali Institute Of Science and Technology, Nellore, 14/08/2015.
- Mr. Sk. Asiff published a paper on "Providing Security through Groups for Social Networks" National Conference on Advanced Technologies in Computer Science and Information Technology at Geethanjali Institute Of Science and Technology, Nellore, 14/08/2015.
- Mr. R. Sivaiah published a paper on "Providing Security through Groups for Social Networks" National Conference on Advanced Technologies in Computer Science and Information Technology at Geethanjali Institute of Science and Technology, Nellore, 14/08/2015.