2014-15

Department of Vocational Studies

Expert class on Internet Programming

On 27th Nov 2014 the Department conducted an expert class on C Language and Internet Programming for 1st Semester Software Development students. The expert class was conducted in collaboration with Wi3 Solutions, Bright Towers, Thrissur. The session was handled by the leadership of Mr. Nithin Nath Wi3 Solutions, Thrissur and the topic was about the Internet basics & advanced.

The students got an informative idea about website creation and its development. The first session focused on Internet basics & advanced. The class was all about Internet Programming along with group project session and it was ended at 3.00pm. Altogether the class was most effective for all the students.

<u>**Expert class on C Functions.**</u>

On 27th Nov 2014 the Department conducted an expert class on C Language and Internet Programming for 1st Semester Software Development students. The expert class was conducted in collaboration with Wi3 Solutions, Bright Towers, Thrissur. The session was handled by the leadership of Ms. Fini Viji , Wi3 Solutions, the topic was about the C Functions & Pointer and Files in C.

The students got an informative idea about the C language. The session focused on the basics of C Programing. The class was all about benefits of developing projects using C language along with group project session and it was ended at 3.00pm. Altogether the class was most effective for all the students.

Expert class on HTML 5, CSS3, Dreamweaver

The Department conducted an expert class on HTML 5, CSS3, Dreamweaver for 1st Semester Software Development students. The expert class was conducted in collaboration with Wi3 Solutions, Bright Towers, Thrissur. The session was handled by the leadership of Mr. Bini, Wi3 Solutions, and the topic was about the HTML 5, CSS3, Dreamweaver The students got an informative idea about website creation and its development. The first session focused on Internet basics & advanced. The class was all about HTML 5, CSS3, Dreamweaver along with group project session and it was ended at 3.00pm. Altogether the class was most effective for all the students.

Workshop on RDBMS

On 9th Dec 2015 to 11th Dec 2015 the Department conducted a three day Workshop on RDBMS Project for our 3rd Semester Software Development students. The workshop is conducted in collaboration with Aitrich Technologies, Thrissur who is our Industrial Partner also. The workshop focused on the RDBMS part in an enterprise software application environment. The classes were handled by a team of four members under the leadership of Mr. Nithin George (Senior Developer, Aitrich Technologies).

Through the project,

- Made the students to do Requirement Analysis, and objective definition of the database.
- Take the students through the process of producing a detailed data model.
- Take the students through further steps such as gather, design & organize data in tables, specify the relationships & apply other constraints, normalize, etc.
- Apply different RDBMS best practices with security, performance, scalability and maintainability in focus with stored procedures, functions, views, etc.
  Our students were divided into 5 Groups and each group is assigned a project. There are 5 different applications.

The 5 different applications are:

- E-com portal
- Manufacturer software system - where it takes care of production.
- Retailer's billing & inventory management
- Payment gateway - Enter the credit card number and validate the credit limit, deduct the amount from the account.
- Courier software - Give them the order information with contact\delivery details with weight of the products.

The above Project was planned as follows

- ➢ Requirement gathering and estimation (rough)
- ➢ Team members, roles & responsibilities
- ➢ Task break down
- ➢ Data test cases (and other related documents and diagrams)

The above task is subdivided into

- Requirement analysis
- Define objectives
- Data modeling
- Approval
- Organize in tables
- Apply constraints
- Database Programing

By the end of the workshop the team members get knowledge & development experience using best practices in RDBMS. They also get to understand and apply the different important factors to be considered in each steps of database design and management, considering even the nonfunctional features such as security, performance, maintainability, and scalability.

One Day Seminar (B.Voc Multimedia)

The one day seminar on "Animation & VFX Technology" was successfully organized by the Department of Vocational Studies for Multimedia Students on 12th November 2015. Smt. Deepa K C delivered the welcome speech. The Seminar was chaired by Mr.Jithin K U, VFX Team Leader form ERAM Animation Lab, Kochi. It was an interactive session to the students with following topics:

- What is Animation?
- Why do we animate?

- Science of Animation.

- Types of Animation

- Animation / VFX Production Pipeline - Skill Set

- Future of the Industry

He highlighted evidence that film education benefits students. It aims to demonstrate using advanced techniques in film as well as advertising. Also he clarified the special effects majors learn how to create animation, graphics, and special effects for a multitude of mediums, including film, TV, video, and computer games. He mainly focused that "Traditional art skills are still the fundamental ingredients needed for success in the field of animation. Students who have these skills have an edge over those who don't." The making of **Rudhrama Devi**, was an eye opener for many present, who were able to recognize the effort behind the magic thus created by this film.

"The seminar succeeded in elaborating on the basic and advanced concepts of Animation. At the end of the session Kum. Anaswara K A, Student Representative delivered the vote of thanks.