**A TWO-DAY**

WORKSHOP ON **INTENSIVE WORKSHOP ON DEVELOPING SKILLS ON PSYCHOLOGICAL, MOTIVATION AND TECHNIQUE APTITUDE**

**ORGANIZED BY THE DEPARTMENT OF COMPUTER SCIENCE SACRED HEART COLLEGE (AUTONOMOUS)-TIRUPATTUR**.

**DATE: 24th& 25th NOVEMBER, 2018.**

**THE FOUNTAIN COLLEGE VIDIVELLI, SUNDAMPATTI, KRISHNIGIRI-635 108.**

**FACULTY MEMBERS**

1. Dr. L.Ravi (H.O.D)
2. Prof. J. John Arockiaraj
3. Dr. M. Maria Dominic
4. Prof. R. Sandrilla
5. Prof. C.Sathishkumar

**INAUGURATION**

During the opening of the workshop held at Fountain College Vidivelli, Sundampatti, Krishnigiri the following persons were the invited speakers;

1. Rev.Father Xavier Antony S J
2. Rev. Fr. Stanly
3. Prof.S.T.Rajan
4. Mr. Pushbaraj

During the Inauguration ceremony the staff members honored the chief guests by giving them the “Ponnadi “as a symbol of appreciation.

Prof. J.JohnArockiaraj,faculty member of computer-science department welcomed the SPONSOR Mr. Pushbaraj who declared the workshop open. Mr.Pushbaraj is currently working in California USA. The opening of the workshop was done in a special way. Mr.Pushbaraj declared the workshop open through the Phone,which showed how much he cares and loves to see young people moving forward.

Mr.Pushbaraj was a student at Sacred Heart College (Autonomous) –Tirupattur. He studied BSC computer science. Despite his busyness he was able to communicate with the staff to make this workshop memorable and to show the importance of assisting youth in the field of computer science. He wished the students all the best in their studies.

**SESSION-I (9:50am – 11:00am)**

**MOTIVATIONAL TALK**

The first session was conducted by Rev. Fr. Xavier Antony SJ from St Joseph College, Trichy. The session began with a prayer song.Rev. Fr. Xavier Antony gave an interesting quote by mother Teresa “**DO IT ANYWAY**”. He motivated the students through this quote by asking them, what they should “do it anyway”. Also he talked about communication skills which the students’ need to attain in order to be successful in the field of computer science. He also narrated two stories to the students by “John William”.

 Finally funeral narrative of Mother Teresa was displayed for the students to watch and understand its full meaning in connection with the quote “do it anyway”. The first session was about spiritual healing and the faith we need to have in our life and everything we do.

**SESSION-II (11:15am – 1:00pm)**

**TECHNICAL APTITUDE**

 The second session was conducted by Prof. S.T.Rajan. The professor gave an overview to the students of what IT companies expect from freshers. He talked about areas to master in the field of computer science. He emphasized on the foundation of computer science.

 The professor gave the following points to the students of what the IT companies expects;

* What is your area of interest?
* To know about micro-processors (laptops and mobile)
* To understand OS (Operating Systems)
* Should be capable of writing programs in assembling languages.

The professor also gave important languages that a computer science student should know and also he explained about the basis of all languages which is the C-LANGUAGE. He gave some tips on the ways to write one`s own program, he emphasized on using “**FLOW-CHARTS**”, as a way of solving a problem, and a program can be easily formed and executed.

 Prof. S.TRajan talked about, Storage Device, Database servers, File servers, Web servers and Print servers. He emphasized the importance of knowing types of “protocols used in networking.”

The professor gave some suggestions from which students of computer science can choose their area of interests, which will help them to acquire a job easily in IT companies, they include

* C-language
* Database
* Software Engineering
* Processor
* Networking
* Data structure
* Linux
* OOp in C++/JAVA

The professor encouraged the students to understand the basics in c language and finding their area of interest as well.

 **SESSION-III (2:00pm – 4:00pm)**

**MOTIVATION TALK**

Rev. Fr. Xavier Antony SJ during the second talk, he played a song by Michael Jackson entitled (Earth song). As a way to encourage students about the importance of nature. Rev. Fr. Xavier Antony divided the students into seven groups and each group was given a book authored by Rev. Fr. Xavier Anthony (himself). He gave the groups 25minutes each to jot down the main points of the stories and another 25minutes to represent as well.

Each representative from a particular group represented its group points based on the story given. Hence the motivation talk was carried successfully.

**SESSION-IV (4:20pm-6:00pm)**

**TECHNICAL APTITUDE**

In this session, Prof. S.T. Rajan proceeded from where he had left off. In this session he described the following;

* Auto\Local Variables
* Global Variables
* Block Variables
* Static Variables
* Dynamic Variables
* Register Variables

The professor explained the variables in details and how they are placed in memory, allocating, dealloction, and accessibility.

**SESSION-V (7:30pm – 9:00pm)**

**MOTIVATION TALK**

During this session, conducted by Rev. Fr. Stanly, he spoke on “**STRESS MANAGEMENT**”. A video was played to encourage the students and some simple games were practiced as well. Father explained about the types of stress;

* Eustress
* Distress

Also Rev. Fr. Stanly was able to find out how many students had low stress, medium stress and high stress. Also Frgave some organization factors that causes stress including;

* Rules
* Dead line
* Regulations

He gave the students ways and means to find out their level of stress and how to handle stress as well. During this session, the students responded and it was a success.

**DAY-2**

**SESSION-VI (7:00am – 9:00am)**

**MOTIVATION SKILLS**

The session began with a morning prayer to thank God for everything. A video prayer song was played during the sixth session. Then Rev.Fr. Xavier Antony played two more videos based on **Pope Francis**, as a way of encouraging students and also to show students the importance of showing **compassion.** The students were once again divided into groups and were given a book based on “**proverbs**”. The representatives of each group were to represent what they had discussed.

 Add on to this Rev. Fr. Xavier Antony explained and gave many examples based on what the students had presented. In this session it was based on spirituality, a way to be thankful and also the way to grow in spirit.

**SESSION-VII (9:45am – 11:15am)**

**TECHNICAL APTITUDE**

During this session Prof. S.T.Rajan talked about the following;

* Arrays and its importance
* Structures and its importance and its uses
* Debugging
* Types of Errors encountered
* Run-time errors
* Compile time errors
* Linked errors
* Logical errors
* Programs

Prof. S.T.Rajan gave many programs to check the students’ knowledge about the languages. Adding on the programs gave a flash back to many students and it was carried out successfully.

**SESSION-VIII (11:30am – 1:40pm)**

**MOTIVATION SKILL**

During the session, Rev. Fr. Xavier played more videos as a way of encouraging students that they need to be strong in their fields. Also Father distributed Xerox material in which the students were once more divided into groups. And the leaders of each group were encouraged to take responsibility and manage their groups.

 The students were given 40 minutes for reading the material and discussing what was contained in the particular material. The leaders represented their group views and some additional answers were also showed by the students. In this session the student was able to participate fully and it was a success.

**SESSION-IX (3:00pm-5:05pm)**

**TECHINCAL APTITUDE**

During this session, Prof S.T. Rajan introduced the topic “POINTERS”. He explained why pointers are very important and also gave demonstration on how to use pointers. He also explained the symbols (\*) and (&) on how they are used in a particular program and its advantages as well.

 His emphasis was manly on understanding pointers fully, he demonstrated program examples and the students were able to follow. The professor also went further to explain about structure, functions and pointers. The professor talked about many areas and therefore this helped the students to know the level of their understanding.

**CONCLUSION**

The entire workshop was very interesting and useful to us the students. I was able to know the level of understanding I am at. The lecturing was excellent and extraordinary. Because after attending this workshop everything has changed in the level of understanding and now I know what the IT companies want from a fresher and also I know the important areas I need to tackle.

I can conclude saying that’s the professor and fathers did a wonderful job in helping us the students to understand the whole concept and to be able to tell the beauty of computer science. Now we know what computer science is actually based on and am sure this will make many student have a bright future ahead.

 The professors did a wonderful job and the workshop was a grand success, because during all the session, they were available and made sure that everything was carried in an appropriate way. The workshop was a grand success.