



SREEPATHY INSTITUTE OF MANAGEMENT AND TECHNOLOGY
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REPORT ON ICTAK TOP-5 – TEACHERS INDUSTRIAL VISIT

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ICTAK -Kozhikode Regional Center, in association with Startup Kerala /KSIDC Business Incubation center - UL Cyber Park organized a Teachers Industrial visit, called **ICTAK Top-5** on **6th October 2017** at ICTAK Regional Centre, UL Cyber Park, and Calicut.

The following faculty members were participated in this program.

- i) Prof. Ganesh P. , HoD CSE Dept
- ii) Mr. Jyothis.K.P. , Asst. Professor (CSE)
- iii) Mr. Sugesh M.S. , Asst. Professor (ECE)
- iv) Mr. Dilja.K. , Asst. Professor (EEE)
- v) Mr. Sreekanth, Asst. Professor (CE)
- vi) Mr. Abhilash. P.M., Asst. Professor (ME)

About 22 faculties from various engineering colleges attended the event.

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The main objective of the program was to invite teachers of ICT member institutions to visit start up eco system /Business Incubators in UL Cyber Park and understand the various product / service offerings or their innovation activities.

Mr. Sajjan M., Academic Relations Manager, ICT Academy of Kerala gave an overall idea about the program agenda, explained the importance of conducting Faculty Industrial visits and the importance of building a startup culture in engineering colleges.



The first session was handled by **Mr. Nadeem Ahmed**, A Mozillian for past 5 years gave a brief idea about the A fab lab (fabrication laboratory).



Fabrication laboratory, popularly known as Fab Lab, is a workshop-like facility for digital fabrication with the help of cutting-edge equipment and machines. It is a small-scale workshop offering (personal) digital fabrication.

It will be typically equipped with an array of flexible computer-controlled tools that cover several different length scales and various materials, with the aim to make "almost anything". This includes technology-enabled products generally perceived as limited to mass production.

He explained the possibility of starting a mini fab lab in engineering colleges with the help of KSUM. The Kerala Startup Mission (KSUM) already completed to set up a mini fab lab in colleges affiliated to APJ Abdul Kalam Technological University (KTU) by the end of March 2017 followed by 50 such labs in the next six months.

The fab academy is a world-wide institute hosted in Kerala by the fab Labs in Kochi and Thiruvananthapuram. In 2016 about 16 graduated from the academy and are now good enough to be instructors.

He also explained about 3D Printing which can be developed in mini fab labs. 3D Printing, also known as Additive Manufacturing (AM), refers to processes used to create a three-dimensional object in which layers of material are formed under computer control to create an object. Objects can be of almost any shape or geometry and typically are produced using digital model data from a 3D model or another electronic data source such as an Additive Manufacturing File (AMF) file.

STereoLithography (STL) is one of the most common file types that 3D printers can read. Thus, unlike material removed from a stock in the conventional machining process, 3D printing or AM builds a three-dimensional object from computer-aided design (CAD) model or AMF file by successively adding material layer by layer.

The second session was handled by **Mr. Rajiv Surendran and Mr. Arun**, who initiated a startup company Museon. The company is dealing with the following keen areas.

CRM Cloud Solutions

Cloud CRM is a Customer Relationship Management (CRM) technology where the CRM software, CRM tools, and the organization's customer data resides in the cloud and is delivered to end-users via the Internet. Cloud CRM typically offers access to the application via Web-based tools like Web browser logins where the CRM system administrator has previously defined access levels across the organization. Employees can log into the CRM system, simultaneously, from any Internet-enabled computer or device. Often, cloud CRM provides users with mobile apps to make it easier to use the CRM on smart phones and tablets.



Retail Businesses

The CRM-Cloud for Retail has been built from the ground up to include features needed for retailing. Retailing ranges from small, sole enterprise operations to large chain stores and includes everything in between, department stores, specialty stores, fashion, lifestyle or any of its kind and services, discount, loyalty, privilege, catalog, Internet, independent, restaurants and grocery stores. Retailing depends on partner networks to deliver goods and services to their customers. For any business to succeed with its consumers, they need to establish a working relationship that understands the customer. One way of doing so is by implementing CRM.

Educational Institutions (Online Exam Systems)

The OMS or Organization Management System is a system designed with school/Educational institution groups in mind. It manages exams, attendance/points tracking, user management, event listing/signups, and printable point reports.

Industrial Automation Solutions

Industrial Automation systems include complex software systems with all kinds of requirements: measuring and control devices, Safety-Critical & Security, graphical user interfaces, communication stacks. A new software architecture approach allows safe and secure integration of these components on a single hardware.

They delivered a few words about an upcoming application software code named as Qkopy developed by Museon.

Lt. Cdr. Arun Sivapalan, the chief operating officer of UL Cyber Park gave a small introduction about organization. He is an astute professional trained at IIM, Indore.

The former president Pranab Mukherjee inaugurated UL CyberPark, the first IT park by a labour cooperative society, Uralungal Labour Contract Cooperative Society (ULCCS).

The Rs. 270-crore IT park is expected to provide direct employment to 4,500 people in the first phase and indirect employment to 20,000. Six IT companies, including multinational firms (MNCs) and local software units, have already received the approval of the Special Economic Zone authority to begin operations at UL CyberPark. Many other firms have evinced interest in the IT park.

He continued that the inauguration also marks a golden chapter in the 90-year history of ULCCS, which has now diversified business interests, including construction and housing sector. Its own IT firm, UL Technology Solutions (ULTS), now provides IT solutions in the domain areas of Global Information Systems, Health Care, Enterprise Resource Planning, Business Intelligence and Analytics, to clients mainly in the country and West Asia. He also told that they have plans to expand its operations to U.A.E. within 3 months, the U.S. and Europe in the beginning of 2018.

The last session was by **Mr. Arun Gireesan**, Kerala State Industrial Development Corporation center head, Calicut. He discussed the KSIDC areas of focus. Kerala State Industrial Development Corporation Ltd. is the industrial and investment promotion agency of the Government of Kerala (India), for the promotion and development of medium and large scale units in the State of Kerala. As the Nodal Agency for foreign and domestic investments in Kerala, KSIDC provides support for investors, besides processing various incentive schemes and facilitating interaction between the government and the industrial sector.

KSIDC assists in identifying the infrastructure needs of the State, structuring projects to bridge the gaps and spearheading a balanced growth of the core competencies of the State.

The key areas of KSIDC's focus include:

- Identification of Investment Ideas
- Translating ideas into concrete proposals
- Feasibility Study, Project Evaluation

The program helped our team of faculties to gain an understanding of how technology is used for multiple disciplines of industry and potentially help them quote such real-life examples as part of teaching their subjects.

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