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PRINCIPAL'S DESK

Social Entrepreneurship- A New opportunity

Social entrepreneurship uses techniques of solving social problems with business model by the companies or entrepreneurs. This is intended to develop, fund and implement solutions to social, cultural, or environmental issues in profitable ways.

Social entrepreneurship offers people the alternative to become their own bosses and work for something they have a passion for and believe in. Social enterprises bring the self-sufficiency of for-profit businesses and the incentives of market forces to bear on global social problems in a way that neither pure capitalism nor pure charity has been able to match.

There is a great deal of interest in social enterprise today because this approach offers a new and possibly more sustainable path for professional also to address the world's most pressing challenges.

These social enterprises deliver benefits in a self-sustaining way by using their revenues to finance activities that generate social benefit. They can also scale to benefit large numbers of people by incentivising other players in the value chain and receiving financing from a mix of sources.

The engineering graduates are exploring the options in social entrepreneurship with startups

Dr A K Srivastava

BASANT PANCHMI: 1 February. 2017

Basant Panchmi program was organized in the mini Auditorium of the college.

The program was conducted in the presence of Richa Murti Mam, Principal Dr. (Prof) A.K. Srivastava Sir, DSW Sir, faculty memebers and the students. The event was comprised of Saraswati Vandana followed by cultural performances given by students.

A WORKSHOP ON MATLAB:
2 February 2017

A one day FDP was organized by SRMSCETR on MATLAB. The session was embarked by lightening of the lamp followed by worshipping of goddess Saraswati. Principal Dr. Anant Kumar Srivastava welcomed and greeted Mr.Nihal Ahmad from IQRA Software Technologies Pvt. Ltd., Kanpur who was the key resource person for the Workshop. Mr. Nihal Ahmad emphasized on the importance of MATLAB in the field of research and industry.

Faculty members from EC, EE and CS Department along with the students participated in the program. In the two technical sessions faculties and students were made familiar with MATLAB Toolboxes like image processing, fuzzy logic, control system, and signal processing. The participants involved in the FDP program were very satisfied about training given to them and this will surely help them in their research work.

TWO DAYS VALUE ADDED WORKSHOP ON MATLAB:
22 FEBRUARY 2017

A two days workshop on MATLAB was organized by Electronics and Communication Engineering Department, SRMSCET&R on dated 28th Feb and 01st March 2017.The resource person Mrs. Shiva Jaiswal Assistant Professor Electronics and Communication Engineering Department, SRMSCET&R enlightened the audience with the importance of MATLAB in the field of research and industry.

On the first day, two technical sessions were held. In first session basics of MATLAB was introduced and in the second session concept of coding was delivered.

On the second day, again two technical sessions were held. In first session Image processing toolbox was introduced and in the second session students were made familiar with the Simulation toolbox.

A quiz was conducted at the end of the session and mini projects were given to the students.

The participants were given certificate of participation by the Principal Dr. Anant Kumar Srivastava.

The participants involved in the workshop were very satisfied and the feedback received from the students was really encouraging.

A WORKSHOP ON 'NETWORK MANAGEMENT AND ETHICAL HACKING WITH ANDROID:
22nd February 2017

It was a fruitful workshop organized by CS department SRMS CETR under the guidance of Shailesh Saxena (H.O.D CS – IT DEPT) for the students of computer sciences and electronics & communications.

Mr. Santu Purkait – Director of NETCAMP SOLUTIONS PVT.LTD. Conducted the workshop in order to make the students aware about the android application development and networking along with Ethical hacking concepts.

The first half of the session comprised of a practical session on Android app development illustrating making of different types of mobile apps having multiple functions using single platform. In the second half, students were informed about basic issues encountered while working on a Network and Internet.

He talked about pros and cons of Ethical Hacking in a professional setup. He also encouraged the students to discover their capabilities and start experimenting & making their own apps. He especially focused on utilizing the concepts of Ethical Hacking for the societal benefit.
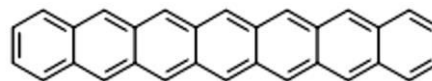
On this occasion Principal Dr. Anant Kr. Srivastava, Heads and Faculties of the various departments were present.

SRMS
College of
Engineering,
Technology &
Research, Bareilly

TINY BLACK HOLES ENABLE A NEW TYPE OF PHOTODETECTOR FOR HIGH SPEED DATA

A silicon wafer with tiny "black holes" on it is a new type of photo detector that could move more data at lower cost around the world or across a datacenter. The technology developed by electrical engineers at the University of California by Davis, and W & W Sens Devices, Inc. of Los Altos, California. The existing high-speed photo detector devices use materials such as gallium arsenide. But it is significantly more expensive and cannot be monolithically integrated with silicon electronics. The new detector uses tapered holes in a silicon wafer to divert photons sideways, preserving the speed of thin-layer silicon and the efficiency of a thicker layer. So far, professor Islam of electrical and computer engineering at UC Davis, who co-lead the project together with the collaborators at W & W Sens Devices, Inc. has built an experimental photo detector and solar cell using the new technology. The photo detector can convert data from optical to electronics at 20 gigabytes per second (or 25 billion bits per second, more than 200 times faster than your cable modem) with a quantum efficiency of 50 percent, the fastest yet reported for a device of this efficiency.

Compiled by: Ms. Shiva Jaiswal
Asst. Professor (EC Deptt.)

HEPTACENE ISOLATED AFTER 75 YEARS.

Heptacene isolated by heating X-shaped dimers to 300^0 for few minutes. Heat reverses heptacene's demerisation and releases the free compound, which can be stored at room temperature. Heptacene, consists of seven linearly fused benzene rings, it is longest of acenes eves made as a pure solid. Heptacene might find application in solar calls by increasing solar all light-capturing efficiency.

Compiled by: Dr.. Ritu |Singh
HOD (Basic Science Deptt.)

RIDDLE

Questions: You will always find me in the past. I can be created in the present, But the future can never taint me. What am I?

Answer: History

Radhika Agarwal
 CS IIIrd **year**

Question: You need to convert WARM into COLD in exact four steps by changing a letter at a time in such a way that the resultant word makes sense.
Answer:
WARD
WORD
CORD
COLD

Vedansh Agarwal
CS 1st **year**

SRMS College of Engineering, Technology & Research, Bareilly

BASANT PANCHAMI

A WORKSHOP ON MATLAB

A WORKSHOP ON ANDROID