



SRMS
College of
Engineering,
Technology &
Research, Bareilly

JANUARY, 2017

CAMPUS-ANVESHAN

e- NEWSLETTER

EDITORIAL MEMBERS

Chief Editor

Mrs Ruchie Sah

-Asst. Prof. Basic Science

Managing Editor

Mrs Kirti Shukla

-Asst. Prof – CS Department

Co- Editors

Mr Surendra Kumar

-Asst Prof. EC Department

Mrs Minakshi Pathak

-Asst Prof. CS Department

Mr Mohit Pant

-Asst Prof EE Department

Mrs Arti Tiwari

-Asst Prof. Basic Sc. Department

Students Editors

Ms Shefali Sharma (EC -2013)

Ms Shamama Kamal (CS-2014)

Ms Shubhra Dubey (EE- 2015)

Mr Shanawaz Ahmed (CS-2016)

Mr Rishabh Chawla (CS -2016)

CONTENTS

Campus News Page 2

Faculty Arena Page 3

Students Arena Page 4

PRINCIPAL'S DESK

Emerging applications of Photonics

Photonics offers new and unique solutions where today's conventional technologies are approaching their limits in terms of speed, capacity and accuracy. The impact of photonics in our daily lives is remarkable.

Photonics play an important role driving innovation in an increasing number of fields. The application of photonics spreads across several sectors: from optical data communications to imaging, lighting and displays; from the manufacturing sector to life sciences, health care, security and safety.

In the interdisciplinary areas the photonics, offers various opportunities such as.

1. Information Technology and Telecommunications
2. Health Care and the Life Sciences – Biophotonics
3. Optical Sensing, Lighting, Energy and Displays
4. Optics in Manufacturing
5. National Security and Defense
6. Manufacturing of Optical Systems and Components
7. Education and Research

Dr A K Srivastava

Principal

PUBLISHED BY

SHRI RAM MURTI SMARAK COLLEGE OF ENGINEERING, TECHNOLOGY & RESEARCH

Ram Murti Puram, 13 Km, Bareilly-Nainital Road, Bhojipura, BAREILLY-243202 , UP, India

E-Mail : cetr@srms.ac.in Website: WWW.SRMS.AC.IN (AKTU Code: 450)

NATIONAL VOTERS DAY: 25 January 2016

25 Jan, 2017 was celebrated at the National Voters Day all over the country. Keeping the same spirit the Verve Club of SRMSCETR organized a seminar followed by a Group Discussion. The seminar on National Voters Day was given by Shivangi Agarwal (CS-14) and Surabhi Saxena (CS-14) and students from first and second year participated in Group discussion on the topic “Is the youth neglecting its responsibility in the Indian politics”. 2 Teams of 4 students each kept their views contradicting each other. The event was organized in the presence of Principal Dr. A.K. Srivastava Sir, DSW, faculty members, The Verve Team and the students.

REPUBLIC DAY: 26 January 2016

On Jan 26, 2017 the Institute celebrated its 68th Republic day in the college premises. Hon’ble Chairman Sir Shri Dev Murti Ji along with other dignitaries hosted the flag. It was followed by the song and choir performance by the students. Later, Hon’ble Chairman Sir blessed the students with his words and Principal A.K. Srivastava Sir encouraged the students to excel in their lives. The program ended with sweet distribution to the students.



ORGANS-ON-CHIP

An organ-on-a-chip (OC) is a multi-channel 3-D micro-fluidic cell culture chip that simulates the activities, mechanics and physiological response of entire organs and organ systems, a type of artificial organ. Organs-on-chips are plastic micro-devices the size of a USB-stick with micro-channels and small chambers that are filled with liquid. The devices contain multiple human cell types which are cultured in a technologically controlled microenvironment that artificially mimics aspects of the human body.

Organs that have been simulated by micro-fluidic devices include the heart, lung, kidney, artery, bone, cartilage, skin and more. They will perhaps abolish the need for animals in drug development and toxic testing.

**Compiled by: Ms. Pratishtha Agnihotri
Asst. Professor (EC Deptt.)**

Vein Identification

Another technology innovation is the biometric identification and security device known as Palm Secure. It works by identifying the vein pattern in the palms of our hands.



Similar to our fingerprints, vein patterns are unique to each individual. The purported advantages of this technology is that it is less expensive, easier to manage, and is more reliable than traditional methods of identification.

**Compiled by:
Kirti Shukla
Assistant Professor(CS)**

A PAGE FROM MY DIARY

Baksh deta hai khuda unko, jinki kismet kharab hoti hai.
Wo hargis nahi bakshe jate, jinki neeyat kharab hoti hai.
Na mera ek hoga, na tera ek hoga,
Na tarik teri hogi, na mazak mera hoga,
Guroor na kar shahe sharer ka,
Mera bhi khakh hoga, tera bhi khakh hoga.
Zindagi bhar branded branded karne wale ,
Yaad rakhna kafan ka koi brand nahin hota.
Koi rokar dil bahalata hai, koi haskar dard chhupata hai.
Kya karamat hai kudrat ka,
zinda aadmi paani me doob jata hai
aur murda tarir kar dikhta hai.
Maut ko dekha to nahi par shayad wo bahut khoobsurat
hogi.
Kambakhat job hi use milta hai, jeena chhod deta hai.
Gazab ki ekta dekhi hai logo ki zamane me,
Zindo ko girane me aur murdo ko uthane me.
Zindagi me na jane kaun si baat aakhri hogi,
Milte julte baate karte raho yaaro,
Na jaane kaun si ek dusre se mulakaat aakhri hogi.

Divya Patanawar

CS Ist year

Today I am going to discuss the analogy between LIFE and CHESS:

1) In chess, most of the time, person with strong pieces wins. Similarly, in life, 'Survival of the Fittest'. **So work hard till you become strong.**

2) In chess, if you make full and intelligent use of the minor pieces you are being left with, you can win. Similarly, in life, if you lack resources, you can move ahead and win by making the best use of the things you already have. **So never lose hope but move ahead.**

3) In chess, some players play attacking game. You can defeat them by applying good tricks using your brain at the right time. Similarly, in life, some people are attacking in nature by their words. You can easily dominate them by your good work. **So believe in work as Lord Krishna says in Bhagwad Gita .**

4) In chess ,game becomes more challenging and interesting when we help our opponent and tell him to save some piece. Similarly, in life, when we help others so that they can come to our level, then, competition increases and life become interesting. **So help others by your Heart.**

5) Lastly in chess, we never kill the king, we capture him. Similarly in life, killing, murder and suicide are not the solutions to the unending problems of life. **So believe in Non-Violence, take legal actions and enjoy Life.**

Kanchan Joshi
EC Final year