

E-NEWS LETTER

Master of Computer Applications

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LATEST UPDATE WORLD

New Method Could Reshape Future Software Development

Sebastian Hönel from Linnaeus University has, in his computer science dissertation, introduced a new method to measure and enhance the quality of software processes. The method focuses on understanding how software is developed and the changes that occur over time. By utilizing digital data from the development process combined with expert- and data-driven analysis, one can predict issues and decide on potential improvements.



One of the new tools that Sebastian Hönel has developed is a metric called "source code density." This metric indicates the true amount of code present in a software application relative to its overall size. It aids in determining whether the code is compact and efficient or if it's dispersed and contains superfluous code.

Source code density is a valuable tool to identify dispensable code. Moreover, we've developed a reliable classifier based on it to understand the nature of changes in the software. It is exploited by a new method to use this and other development data to more easily identify complex issues in the development process," says Sebastian Hönel.

New perspectives on software development

The research could change the way we think about software development. By focusing on the development process and using tools like source code density, one can create better, more reliable, and more efficient software.

Traditionally, software developers have concentrated on assessing the quality of the software itself. However, Sebastian Hönel's research indicates that it's equally important to look at how the software is developed.

"To optimize software, we first need to refine and tweak the development process and learn from past experiences. Previously, development work was measured by looking at the magnitude of changes, but there hasn't been a reliable method. Now, we suggest using data from the development process itself combined with quantitative analysis to understand the scale of changes," states Sebastian Hönel.

Identify issues by analyzing the code

When managing multiple computer projects simultaneously, it's inevitable to encounter both successes and challenges. There are moments when everything runs flawlessly, but there are also times when complications arise. This could be because the software doesn't perform quickly enough, it lacks necessary features, the budget is

exceeded, or the project doesn't finish on schedule.

After a project is completed, it's natural to want to reflect on and understand the moments when things didn't go as planned. The challenge may lie in determining whether the issues arose due to individual decisions or broader team dynamics.

"We have developed tools that can quickly scan through your projects and pinpoint where the major problems might lie. It might not give you every detail, but it helps you swiftly identify which projects need extra attention. We can find these issues just by looking at the program's code. We believe this tool can help detect many different types of problems," says Sebastian Hönel.

The research marks a step forward in the quest to understand and enhance software quality. With these new tools and methods, one can streamline and optimize developers' work, thus producing better and more reliable software.

DEPARTMENT UPDATE

Orientation Programme of MCA
From 29/09/2023 to 07/10/2023

Venue: SRMSCET, MCA Seminar Hall

MCA department of Shri Ram Murti Smarak College of Engineering and Technology, Bareilly started the Orientation Program from 29th September 2023 to 7th October 2023 for the newly admitted students of MCA (Batch of 2023).

The major objective was to make the students aware of the academic aspects of the course, the rules and regulations of the college and ensuring participation in monitoring the performance and progress of the students.

The session for MCA students began with the introduction of all the faculty members of MCA department which made the students familiar with the environment.

Many Educational, Sports and Art & Cultural Activities were held during the orientation programme. In educational activities students were aware of about Artificial Intelligence, Web Designing, Avenues of Mobile Application Development, SQL Queries, Digital Marketing and Placement. In sports activities students played many sports like Football, Volleyball & Cricket. In Art & Cultural Activities students performed the Dance, Poetry, Antakshari. Also a debate competition was held on “Impact of Social Media on Students”.

A guest lecture was delivered by Er. Kishore Kumar, Project Manager, Capgemini, Bengaluru. He told the students about the purpose of life, orientation and the importance of transition of life: Quality, Education System, Strategic Decision Making skills and the value of time. Students enjoyed all the sessions and interacted with the eminent speaker.

Overall, the Orientation marked a successful beginning of a college session and helped the student to prepare themselves for a successful career with clear vision about what lies ahead and what can be achieved at the end of the course.







Zero Hour Activity 5th October, 2023

(Wall Magazine Decoration)

On 5th October, 2023 MCA first year students took the initiative in club activity and presented a Wall Magazine with 4-different sections and revealed their creative ideas. The sections included some information about to Anti

Ragging and top 3 IT companies; a completely different section was made which included the faculties profile of MCA department.

Among all the sections, one section included career opportunities in different fields of computer applications. Last but not the least hard work and dedication of students resulted in great appreciation throughout the department.



Zero Hour Activity 12th October, 2023

(Volleyball)

Venue: SRMSCET, Main Ground

On 12th October-2023, the MCA department organized a volleyball competition in the club activity hour. In which Mr. Vijay Kumar Dubey, Dr. Jyotirmay Patel and Mr. Ankur Gupta was present to motivate students.

This game was held between two teams:

Team 1- MCA 1st year

Team-2: MCA 2nd year

All the players were holding a good time and giving their best performance but Team-1 got the first position.



Fresher's Party MCA, Batch-2023 28th October, 2023

Venue: SRMSCET, MBA Seminar Hall

The more we feel concern for others and seek their well-being, the more friends we will have and the more welcome we will feel. With this thought we welcomed our energetic and enthusiastic juniors on 28th October, 2023.

It was a memorable day in the life of every fresher of MCA Batch 2023 at SRMSCET, Bareilly. The fresher's day was filled with excitement, joy, music, enthusiasm, laughter and happiness.

The program started with lamp lighting followed by prayers of Maa Saraswati was inaugurated by Honourable Dean Academics Dr. Prabhakar Gupta, HOD MBA/MCA and Director TDP Prof.(Dr.) Anuj Kumar, Chief Proctor Dr. Jitendra Yadav, DSW Dr. Sovan Mohantay, Examination Controller Mr. Kapil Bhushan, Dr. Jyotirmay Patel, Mr. Arvind Kumar Mishra, Mr. Vijay Kumar Dubey and Mr. Ankur Gupta.

Dr. Prabhakar Gupta sir congratulated all the fresher's for joining MCA course in SRMSCET, He said fresher party is very important event as it establishes emotional bond among students. He also mentioned that juniors must learn to establish a bond of faith and trust with their seniors and apart from that he emphasized on learning new technologies and improving coding skills for the better development and for grabbing better job opportunities.

The celebration was taken forward to next step with the cake cutting ceremony, after that each and every fresher introduced themselves to all the dignitaries, faculty members and their seniors, followed by their individual performance.

Last but not the least the main attraction of party was prize distribution ceremony where the result was declared as:

Mr. Fresher – Deepak Singh
Miss. Fresher –Medha Saxena
Mr. Talent – Saransh Gupta
Miss Talent –Fatima Mohammadi





COLLEGE UPDATE

➤ 35 वीं पुण्यतिथि एवं श्रद्धांजलि समारोह
2nd October-2023

Venue: Centennial Auditorium

श्री राम मूर्ति स्मारक (एसआरएमएस) ट्रस्ट ने स्वर्गीय श्री राम मूर्ति जी, एक स्वतंत्रता सेनानी, मंत्री और पूर्व सांसद को उनकी 35वीं पुण्य तिथि के अवसर पर, श्रद्धांजलि देने के लिए 2-अक्टूबर, 2023 को एसआरएमएस कॉलेज ऑफ इंजीनियरिंग एंड टेक्नोलॉजी (सीईटी), बरेली में एक भव्य 'श्रद्धांजलि समारोह' का आयोजन किया। जो समाज सेवा और राष्ट्र निर्माण के प्रति उनके अथक प्रयासों और योगदान की याद दिलाती है।

समारोह की शुरुआत राष्ट्रपिता महात्मा गांधी और भारत के पूर्व प्रधानमंत्री लाल बहादुर शास्त्री को उनकी जयंती पर भावभीनी श्रद्धांजलि अर्पित करने के साथ हुई। ध्वजारोहण श्री देव मूर्ति द्वारा किया गया; श्रद्धांजलि समारोह में यूपी के पूर्व स्वास्थ्य मंत्री भगवत सरन गंगवार; शहजिल इस्लाम, विधायक भोजीपुरा ब्लॉक; एयर मार्शल डॉ एमएस बुटोला, प्रिंसिपल आईएमएस; डॉ. आरपी सिंह, चिकित्सा अधीक्षक और अन्य गणमान्य व्यक्ति उपस्थित थे।

इस कार्यक्रम में एसआरएमएस रिद्धिमा के गुरुओं द्वारा एक भावपूर्ण संगीत प्रदर्शन किया गया। उत्कृष्टता के पथप्रदर्शकों को उनके उत्कृष्ट योगदान के लिए प्रतिष्ठित प्रतिभा अलंकरण से सम्मानित किया गया जिसके प्राप्तकर्ता थे, डॉ. वेदवती रवींद्र जोगी, एक मीडिया पेशेवर; समीर कुमार मिश्रा, एक सामाजिक कार्यकर्ता, एसआरएमएस सीईटी पूर्व छात्रों के साथ-पायल अग्रवाल, वैज्ञानिक/इंजीनियर-एसएफ, इसरो, बेंगलुरु और अभिलाषा अग्रवाल, वरिष्ठ वैज्ञानिक, इसरो, तिरुवनंतपुरम।

ट्रस्ट द्वारा बीटेक, पैरामेडिकल, नर्सिंग, जीएनएम और एमबीबीएस- I, II और III वर्ष (प्रोफेशनल) के विभिन्न

विषयों में मेधावी छात्रों को छात्रवृत्ति वितरित की गई।
 वार्षिक वाद-विवाद प्रतियोगिता और राष्ट्रीय स्तर की
 कहानी लेखन प्रतियोगिता के विजेताओं को भी नकद
 पुरस्कार दिए गए। दिन का समापन सभी ट्रस्ट
 संस्थानों में रक्तदान शिविर के साथ हुआ।







Coffee with Hon'ble Chairman Sir
13th October-2023

Venue: Centennial Auditorium

बीटेक, बी फार्म, एमबीए, एमसीए, एम टेक, एम फार्म के प्रथम और द्वितीय वर्ष (पार्श्व प्रवेश) के छात्रों ने 13 अक्टूबर, 2023 को एसआरएमएस इंजीनियरिंग परिसर में 'कॉफी विद चेयरमैन सर', एसआरएमएस ट्रस्ट के अध्यक्ष श्री देव मूर्ति की ताज़ा शाम में उत्साहपूर्वक भाग लिया। इसका एकमात्र उद्देश्य छात्रों के स्कूल से कॉलेज में स्थानांतरण को बेहद सहज बनाना और उनमें एसआरएमएस संस्थानों के दृष्टिकोण और मिशन को शामिल करना था।

यह एक आदर्श शाम थी, जिसमें छात्रों को श्री देव मूर्ति के साथ बातचीत करने और उनकी शिक्षाओं और मूल्यों को आत्मसात करने का अवसर मिला। अपने विशेष संबोधन के दौरान, श्री देव मूर्ति ने उस समय के अपने पिछले अनुभवों को साझा किया जब वह खुद एक कॉलेज के छात्र

थे अपने मनमोहक जीवन की कहानियों को साझा करते हुए, उन्होंने जीवन में समय, दिवास्वप्न, नवीनतम तकनीक, आत्म-सम्मान और संतुष्टि के महत्व को व्यक्त किया। उन्होंने सभी से ईश्वर में विश्वास करने का आग्रह किया और छात्रों को आशीर्वाद दिया।

कार्यक्रम की शुरुआत सरस्वती वंदना और दीप प्रज्वलन समारोह के साथ हुई जिसमें श्री देव मूर्ति जी-अध्यक्ष महोदय, डॉ. प्रभाकर गुप्ता-डीन एकेडमिक्स, डॉ. एलएस मोर्य-प्राचार्य सीईटीआर, डॉ. अनुजकुमार-निदेशक टीडीपी; डॉ. आरती गुप्ता-निदेशक फार्मसी; डॉ. सोवन मोहंती-डीएसडब्ल्यू सीईटी, डॉ. जितेंद्र यादव-चीफ प्रॉक्टर और प्रॉक्टोरियल बोर्ड के अन्य सदस्य, विभिन्न विभागों के एचओडी और संकाय सदस्य उपस्थित थे।





Talk with TCS Expert
25th October-2023

Venue: Centennial Auditorium, SRMSCET

श्री राम मूर्ति स्मारक कॉलेज ऑफ इंजीनियरिंग एंड टेक्नोलॉजी (एसआरएमएस सीईटी), बरेली में प्रशिक्षण, विकास और प्लेसमेंट (टीडीपी) सेल बीटेक और एमसीए अंतिम वर्ष के छात्र 25 अक्टूबर, 2023 को सुबह 10:20 बजे से 11:20 बजे तक सीईटी परिसर के सेंटिनियल ऑडिटोरियम में "टाटा कंसल्टेंसी सर्विसेज (टीसीएस) के लिए तैयारी कैसे करें" पर एक अतिथि व्याख्यान मुख्य वक्ता टाटा कंसल्टेंसी सर्विसेज, लखनऊ से अभिषेक सक्सेना द्वारा दिया गया, जिन्होंने टीसीएस की कठोर चयन प्रक्रिया में उत्कृष्टता प्राप्त करने के रहस्यों को उजागर करते हुए छात्रों को उनके भविष्य को सुरक्षित करने के लिए आवश्यक वांछित ज्ञान और आत्मविश्वास पर एक रोशन सत्र प्रदान किया।

SHRI RAM MURTI SMARAK
COLLEGE OF ENGINEERING & TECHNOLOGY
BAREILLY (U.P.)

GUEST LECTURE ON
"HOW TO PREPARE FOR TATA CONSULTANCY SERVICES"

Date
25th October 2023 (Wednesday)

Time
10:20 A.M to 11:20 A.M

Venue
Centennial Auditorium,
SRMS CET, Bareilly

Target Audience :
B.Tech Final Year CET & CETR and MCA Final Year students

Speaker
Mr. Abhishek Saxena
Tata Consultancy Services, Lucknow

Organized by
Training, Development & Placement Cell
Shri Ram Murti Smarak College of Engineering & Technology, Bareilly (U.P.)