MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES

Department of Computer Science & Engineering

NEWS LETTER
Jul’17 - Dec’17

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Vision

To empower the graduates to be technologically adept, innovative, self-motivated and responsible citizens, possessing human values and contribute significantly towards being a center of excellence in providing globally standard education, through a conductive Teaching and Research environment, that responds swiftly to the challenges of the ever changing world.

Mission

- To achieve academic excellence by imparting in-depth knowledge to the students through effective pedagogies and hands on experience on the latest tools and technologies.
- To pursue interdisciplinary research that will serve the needs of the entire global community.
- To prepare students to be continuous learners in a connected world and imbibe professional skills and ethical responsibilities in them.
- To strengthen the Industry-Academia interface that will help the graduates to emerge as leaders in academics or in inspiring revolutionary in entrepreneurship.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- **PEO-1**: To prepare the graduates for a successful career in industry, consultancy, teaching and allied areas related to the subjects of Computer Science and Engineering.
- **PEO-2**: To assimilate the graduates with team-spirit, leadership and problem-solving skills so they can lead organisations they join or initiate their own ventures.
- **PEO-3**: To prepare and assist the graduates to be successful in higher education leading to Masters and Research programmes, thereby creating and disseminating knowledge through research activities in the theory and application of computing.
- **PEO-4**: To groom the graduates as professional engineers with an understanding of professional and ethical responsibilities, enabling them to contribute effectively to the growth and development of a body of knowledge.
- **PEO-5**: To instill the ability to analyze the requirements, understand the technical specifications and design the innovative solutions by applying the principles of computing.
Event Highlights

Expert Lecture by IBM on “Introduction to Data Analytics”

An expert lecture was organised by Mr. Jyoti Sahai, Chairman and Managing Director at Kavaii Business Analytics. The lecture held on 21st August 2017, in AS-24, MRIU campus, Faridabad.

Distinguish lecture by International Speaker from MIT, US and launch of FET Technical Magazine

A distinguish lecture was organized in association with IEEE Computer Society, Delhi section organized a distinguished lecture on "Navigation Sensors and Systems in GNSS Degraded and Denied Environments" on 17th Nov 2017.

Faculty of Engineering & Technology also launched its Technical Magazine “INGENIEUR SPHERE” which is intended for students and faculty members to get updated about latest technologies.
IEEE DAY Celebration

IEEE Day was celebrated on 5th October 2017. Various technical events were organized for the celebration like Poster Making, Code Debugging, Technical Quiz and LAN Gaming. Around 300 students participated in the event from various colleges/universities like MRIU, NGFCET, Palwal, IITM, Janakpuri. Dr. K. Subramanian delivered an expert talk and enlightened the students with latest technologies like cyber insurance, data analytics. After that cash prizes were distributed to the winners and runner-ups of the competitions.

DEBATE COMPETITION ON
‘SHOULD LETHAL AUTONOMOUS WEAPONS BE OUR UPCOMING ARMY?’

A debate competition was organised, Words of the Hour, on the topic ‘Should Lethal Autonomous Weapons be our upcoming Army’, on 10th August, 2017, at its MRIU campus, Faridabad.

Workshop on Big Data and Hadoop

Workshop on Big Data and Hadoop has been organized in association with Nucleus Computers Ltd., an ISO 9001:2015 Certified Company on “Big Data and Hadoop” on 13th November 2017 from 11 am to 2 Pm followed by Internship hiring test for 7th Semester. Mr. Abhishek having more than 10 years’ experience in Big data from Nucleus Computers Ltd. address the students and explained them the architecture of Hadoop, Parallel computing in details.
Student’s Achievements

- Project “Sound Fidelity” made by CSE Students Mr. Shubham Sharma & Ms. Surbhi (6th Sem- cyber security) was able to make it to the top 3 best teams of the prestigious event “Living Talent Master Piece 2017” which was held in Dubai from 15th-16th Dec 2017 in the Innovation category.
- Ms. Sonal Prasad, Student of CSE 8th Sem got 12 weeks internship in University of Antwerp, Belgium.
- Mr. Sahil Verma, Student of CSE 8th Sem Cloud Computing got 1st position in the “APPetite: Hunger for Android” competition which was held in the annual college fest BVEST’17 conducted by Bharti Vidyapeth in collaboration with CIPAM (Cell for IPR Promotion and Management) which is under Ministry of Commerce and Industry. From this Competition as a winner he got the chance to officially work with the Ministry of Commerce And Industry under CIPAM (Cell for IPR Promotion and Management) for creating Mobile Application and Website based on GIs which will boost the visibility of GIs internationally.
- 98 students got placed in different companies like IBM, iAUGMENTOR, TCS, Quovantis Technologies etc.
- Team comprising of four students (Rohandeepr Khurana, Dhanajay Gambhir, Gaurav Saini and Yash Singh) won 2nd prize for developing Smarter Streets using AI in Hackathon 2017 organized by Infosys Chandigarh Development Center.

Faculty Member’s Achievements

- Dr. Rashima Mahajan Chaired a Technical Session on “Internet of Things and Ad Hoc Networks” dated 12th Oct 2017 in IEEE International Conference on Computing and Communication Technologies for Smart Nation (IC3TSN-2017), School of Engg, G D Goenka University, Gurgaon
- Dr. Suresh Kumar published a chapter in a book titled “Big Data Management and the Internet of things for Improved Health Systems”, A volume in the Advances in Healthcare Information Systems and Administration (AHISA) Book Series, IGI Global. (Scopus Indexed)
- Dr. Rashima Mahajan published a paper “Real Time EEG based Cognitive Brain Computer Interface for control Applications via Arduino Interfacing” in Procedia Computer Science Elsevier’s, Volume 115, pp. 812-820, 2017. (Scopus indexed)
- Dr. Rashima Mahajan published a paper on “Medical Images Contrast Enhancement using Quad Weighted Histogram Equalization with Adaptive Gama Correction and Homomorphic Filtering” in Procedia Computer Science Elsevier’s, Volume 115, pp. 509-517, 2017. (Scopus indexed)
- Ms. Bindiya Ahuja delivered an expert lecture on Big Data Technologies in Government Senior Secondary School, Faridabad.
- Dr. Suresh Kumar (HOD, CSE) and faculty member Ms. Charu Virmani visited Google headquarters for attending the Google developer day.
- Dr. Poonam Tanwar and Dr. Kamlesh Sharma have visited Apex Institute of Technology, Jaipur as session chair.
Department of Computer Science and Engineering

First Row Left to Right: N N Das, Madhulika, Kamlesh, Bindiya Ahuja, charu virmani, Anil Chopra, Krishna Kant, Suresh Kumar, Mukesh, Supriya Panda, Poonam Tanwar, Shefali Singhal, Indu Kashyap, Rachna Bhel, Nitasha Soni

Middle Row: Vaishali Arya, Srishty, Pinki Sagar, Madhumita, Veena Tayal, Meeta Singh, Deepika, Shelja Sharma, Savita Ragi, Geetika Chawla, Tanvi, Ranjeeta Mittal, Monika Shah, Kusum, Neha Garg, Shobha, Smriti, Sonam

Last Row: Prashant Dixit, Amit Chugh, Mohit Chaudhary, Renuka, Versha, Poonam Katyal, Priyanka Grover, Rashima Mahajan, Rosy Madan, Vandana, Urvashi, Pronika, Krishan Kumar, Vasudha, Sanjeev Mehta, Arun Kumar