J.C. BOSE UNIVERSITY
OF SCIENCE AND TECHNOLOGY,
YMCA, FARIDABAD

Department of Computer Engineering

BULLETIN
JULY - DEC. 2019

WORKSHOP ON 'OPPORTUNISTIC NETWORK'

In order to make the faculty and research scholars familiarize with the emerging technology, the Department of Computer Engineering of J.C. Bose University of Science and Technology, YMCA, Faridabad has organized a two-day hands-on development and research workshop on 'Opportunistic Networks'.

The workshop was sponsored by TEQIP-III and also attended by the faculty members of TEQIP mentee institute REC Ambedkar Nagar (UP). As many as 45 participants including PG students, research scholars and faculty members working in the areas of mobile computing, and Wireless Networks and Data Networking are attending the workshop.

The workshop was inaugurated by Vice Chancellor Prof. Dinesh Kumar and addressed the participants. Dr. Suvadip Batabyal from BITS Pilani, Hyderabad Campus was the keynote speaker on this occasion.

Chairperson of Department of Computer Engineering, Dr. Komal Kumar Bhatia, Chairperson of Department of Computer Applications Dr. Atul Mishra and Dr. Ashutosh Dixit were also present in the inaugural session. The workshop is being convened by Dr Preeti Sethi.

Speaking on this occasion, Vice Chancellor Prof. Dinesh Kumar said that 'Opportunistic Network Environment' is relatively new and emerging field of Computer Engineering, therefore, it has a lot of scope to conduct research in this area.

Vice Chancellor appreciated the Department to conduct workshop on latest and emerging technology and encouraged the participants to acquire skill and knowledge through the workshop and apply the same to conduct and promote research in this new technology.

Addressing the session, Dr. Komal Kumar Bhatia said that the aim of the workshop is to provide participants, especially research scholars a practical exposure to the networking environment by making them learn a networking simulator. He said the Department would conduct such workshops in future also.

Dr. Suvadip Batabyal from BITS Pilani delivered the keynote lecture on 'Opportunistic Networks'. He covered topics such as Delay Tolerant Networks, research trends and challenges, message transfer and routing in Opportunistic Networks. He also discussed various aspects of Opportunistic Networks Environment. Vice Chancellor Prof. Dinesh Kumar presented memento to Dr. Suvadip Batabyal as a mark of remembrance.

A GLIMPSE INTO HIGHEST PAYING PLACEMENT DRIVES

As many as 13 students of Computer Engineering and Information Technology of our JC Bose YMCA University of Science and Technology have been offered a package of Rs.28.75 lakh in the ongoing placement drive. It is the highest so far. Last year, Rs27 lakh was the highest package offered to students.

While Amazon, a multinational electronic commerce and cloud computing company, has offered the annual salary package of Rs.28.75 lakh to a total of 13 students of the Department of Computer Science and Engineering (CE) and Information Technology (IT) branch, another 30 students have been offered placement by Samsung (Research and Development) at the annual package of Rs12 lakh each. Those who have been selected will undergo internship followed by full-time employment. Last year, the highest package offered was of Rs 27 Lac.

MoU & PROJECTS

J.C. Bose University of Science and Technology, YMCA, Faridabad will work on 'Internet of Things' based projects in collaboration with R.V. College of Engineering, Bengaluru and explore the scope of work to fetch projects from local industries.

This was disclosed by Vice Chancellor Prof. Dinesh Kumar after the detailed discussion with Dr. K.N. Subramanya, Principal of R.V. College of Engineering, Bengaluru here today. The meeting was attended by all the deans and chairpersons of the University. Dr. K.N. Subramanya said that the University has advantage of strategic location in the heart of Industrial township and a great potential to fetch consultancy projects on which both the institutions can mutually work over.

Vice Chancellor Prof. Dinesh Kumar said that the University is also working towards smart campus initiative and both the institution can provide smart solution to the futuristic smart city of the state in the area of improving water-quality, air-pollution and sustainable transportation facilities. Dr. K.N. Subramanya also took a round of the University premises including various facilities and laboratories.

It may be noted that the University has recently signed an MoU with R.V. College of Engineering, Bengaluru to collaborate over a wide range of research and academic activities.

WORKSHOP ON 'INTERNET OF THINGS'

The experts from R.V. College, with whom our University has signed MoU, conducted a two-day workshop on 'Internet of Things' in the Department, which was sponsored under TEQIP-3 Project. The officials from TEQIP, Dr.Vikram Singh and Dr. Munish Vashishtha were also present on this occasion.

During the two-day workshop, the expert speakers namely Dr Govindaraju, Prof Girish Rao Salanke, Dr Rajeswara Rao, Dr. Shanmukha Nagaraj, Dr. Renuka Prasad and Prof Ravishankar covered the topics include Embedded System, Networking and Application Development for IoT, Data Analytics, Intelligent Transport System and Industrial Internet of Things.

Chairperson of Computer Engineering Department Dr. Komal Kumar Bhatia said that as the current technology is moving towards IoT, there is a need to get conversant of this advanced technology for faculty and students of Computer Engineering. Therefore, the aim of the workshop was to make the participants enable to work on the physical tools required for building their projects on IoT.

The workshop was divided into two phases, in which, first phase was organized for students of the University and second phase for faculty and research scholars. In the first phase, the students were apprised about the basic building block of IoTs along with the software and hardware requirements. Live demonstration of various IoT based projects were also displayed to the students. In the second phase, research work and scope in the area of IoT was discussed. The workshop sessions were coordinated by Dr. Parul Tomar and Dr. Sapna Gambhir.

WORKSHOP ON
'MACHINE LEARNING & PYTHON'

The students' Branch of IEEE YMCA conducted a workshop on 'Machine learning and Python' in collaboration with Women In Engineering (WIE) Affinity Group of IEEE Delhi Section. There were about 110 students who participated in the workshop among which 35 students were from different colleges and universities.

The workshop commenced with lighting of lamp followed by presidential address by Prof. Dinesh Kumar, Vice Chancellor of J.C. Bose University. In his address, Vice Chancellor discussed the importance of Artificial Intelligence and said that in the coming days, AI will become an important part of our lives. Vice Chancellor motivated the students to take interest in learning new technological advances.

The workshop was organised under the guidance of Dr. Rashmi Aggrawal, Branch Counselor in corporation with Dr. Sapna Gambhir. The workshop was divided into two sessions mainly categorised as Python and Machine Learning in which lectures were delivered by expert lecturers from DUCAT.

The technical words were given by Dr. Sneha Kabra and Dr. Manpreet Kaur and WIE IEEE members gave a great head start to the students to go with an enthusiastic energy to attend the session. The event was successful in terms of participation and enjoyed by the students.

WORKSHOP ON
'ANIMAL ANATOMY FOR VISUAL ARTS'

The Department of Computer Application, Animation and Multimedia Programme of J.C. Bose University of Science and Technology, YMCA, Faridabad organised an expert lecture on "Animal Anatomy for Visual Arts" on 14 Sept 2019.

The aim of lecture was to provide the drawing skill set required to produce animation of industrial quality. The lecture session was presided over by Dr. Atul Mishra, Chairperson, Department of Computer Application. The session was coordinated by Ms. Chahita Banerjee.

Mr. Kiran Shetty, Senior Animation Trainer, BIT, Noida was invited to share his expertise on the subject. He has over 12 years of experience with National and International Studios in 2D Animation. This session of expert lecture helped students to understand the quality of work practiced in animation industry. Mr Kiran Shetty demonstrated as well as trained the students to draw 'Human Anatomy' using Light Boards to create high quality animation.

Students took this opportunity to interact with Mr. Kiran Shetty, who was very enthusiastic to share his expertise and clarify all the queries of students.

'ONE STUDENT ONE TREE' CAMPAIGN

The 'One Student, One Tree' Campaign, which has been launched nationwide by the Union Ministry of Human Resource and Development, was initiated with great zeal and enthusiasm at Computer Engineering department, J.C. Bose University of Science and Technology, YMCA, Faridabad on 9th Sept 2019.

As per the initiative, students were asked to plant one tree in their campus.

A number of students have participated in the drive and each student planted one tree. The main aim of the drive was to create green and healthy environment so that environmental threats affecting society could be curtailed.

The Vice Chancellor Prof. Dinesh Kumar appreciated the initiative taken by the Department of Environmental Science of the University and congratulated Chairperson Dr. Ashutosh Dixit and other coordinating faculty and staff for the efforts in organising the drive.

The campaign was well convened and coordinated by Dr. Renuka Gupta, Assistant Professor, Environmental Science.

As per AICTE guidelines, students from all departments enthusiastically participated in the plantation activity. The Certificate of Appreciation would also be given to the students by the respective Departments.

ONE-DAY WORKSHOP ON MACHINE LEARNING USING PYTHON

The Department of Computer Engineering, J C Bose University of Science and Technology, YMCA, Faridabad organised a One-day Workshop on Machine Learning using Python on 9th Sept 2019.

Mr. Vikas Kamboj, Co-founder RARA Innovations was invited as speaker for the workshop. As many as 50 students from all the branches of B.Tech attended the workshop energetically. The workshop was very interactive and participants had learnt the basic concepts of Machine Learning along with its practical implementation.

Prof. Komal Kumar Bhatia, Chairperson of the Department was also present and motivated the students to attend such kind of workshops in future also. The workshop was conducted by Dr. Sapna Gambhir and Dr. Parul Tomar with the assistance of third year student coordinators Yash Dinghra, Suraj Tiwari and Shahid Alam.

DEVELOPMENT & LAUNCH OF NEW UNIVERSITY WEBSITE

Vice Chancellor Prof. Dinesh Kumar, on the occasion of Teachers Day, today launched New University Website **(www.jcboseust.ac.in)** and Data Management System Software for faculty members. Registrar Dr. Raj Kumar, all Dean, Chairperson and faculty members were also present on this occasion.

The newly launched University website www.jcboseust.ac.in with new home page and webmail enhance features would replace the existing site www.ymcaust.ac.in which was functioning since 2009.

The website has been developed and designed by the team of University IT Cell which included Dr Neelam Duhan, Dr Preetisethi, Ms Alka Choudhary and many others from Computer engineering department. System Analysis cum Programmer in the University Mr. Ankit Pannu informed that the new website is faster and lighter version and more mobile friendly.

Dr.Manjeet Singh, also spoke on this occasion and informed about the newly developed website and Data Management System in the presence of Chairperson of Department of Computer Application Dr. Atul Mishra.

It may be noted that the name of the University has recently been changed, according to which there was a need to change the domain name of the University website.

Similarly, newly developed Data Management System Software would enable the faculty members to update their information including academic and professional data. The Data Management System Software has been developed under the Digital India Cell.

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(Established by Haryana State Legislative Act No. 21 of 2009,
Recognized by U.G.C. u/s 2 (f) and 12(B) of U.G.C. Act 1956)

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