



Department of MCA
News Letter : Coverage
July 2019 – December 2019



■ **NBA Visit and Accreditation**

In order to evaluate the MCA programme, National Board Accreditation (NBA), New Delhi, constituted an expert committee of 3 members who conducted a three day accreditation visit from 11th October 2019 to 13th Oct October 2019. After visiting the institute and verifying physical infrastructure and other facilities available, the expert members conducted comprehensive review of documental evidences pertaining to various accreditation criteria. The visiting team also held meetings and interviews with all stakeholders such as faculty, staff members, alumni, employers, parents and students. Based on the rigorous evaluation by the visited team, **Department of MCA received NBA accreditation** for 2 years. As a result of which, Department of MCA stood first and the only Post Graduate Programme in Nashik region to receive NBA Accreditation.

We, the fraternity of MCA department take this opportunity to offer our sincere thanks to all stakeholders who were involved in this NBA Accreditation process. Without their support, we could not achieve this milestone.

■ **Induction Programme**



Department of MCA organized "Induction Programme" to welcome newly admitted students. This year, induction programme was organized on 1st and 2nd August 2019. Total 36 students attended the programme. Mr. Hashim Shaikh, CEO, CodeFormers, Nashik, was the Chief Guest of the Induction programme.

The objective of the induction programme was to create awareness of institutional facilities, MCA curriculum and examination pattern, etc.

■ **Poster Competition**

16th September is celebrated as World Ozone Day to create awareness among people regarding importance of the ozone layer in the atmosphere. ABACUS Club organized Poster Competition on World Ozone Day.

The objective of this competition was

- To exhibit students' knowledge, innovative ideas and presentation skills
- To create social and environment awareness



Total 31 students participated in this Competition. This competition was organized for First year MCA students on 21st Sept 2019. First three winning groups were awarded with cash prize and certificates.

■ **Programming Contest**

Department of MCA organized a Programming Contest on 29th and 30th August 2019. Total 40 students from Third Year MCA participated in this competition. Competition was conducted in two rounds. First round was aptitude test based on C and C++ and second round was based on implementation of given program statement in stipulated time.

■ **Mini Project Competition**

Department of MCA organizes "Mini Project Competition" every year to motivate the students to present their innovative ideas and talent. This year also ABACUS club conducted "Mini Project

Competition" on 9th October 2019. The competition was organized for Third year of MCA students. Total 13 groups were participated in the competition. The winner team members were Sneha Nimse, Danish Peerzada, Javid Sayyed and Kimaya Shirude.

■ **Certification program "Omkar Sadhana"**



Department of MCA in collaboration with YOG VIDYADHAM, Nashik organized six days moral value added program, "Omkar Sadhana" from 18th November 2019 to 23rd November 2019. This program was focused on the importance of chanting "Om" and its effect on one's personal as well as professional life.

Dr. Pallavi Deshmukh from Yog Vidyadham, Nashik, conducted this program. Total 37 students participated in the certification program.

■ **Certification Program on "Basic of IOT"**

Department of MCA conducted five days certification program on "Basic of IOT" from 8th August 2019 to 14th August 2019. This certification program was collaborated with a Nashik based software company, Congnifront. Chief Guest for the inauguration function was Dr. R. S. Tiwari, Director, Congnifront, Nashik. This program was

focused to understand basics of IoT and to have hands-on practice for students. Total 28 students have participated in the certification program.

▪ **Expert Talks**

- Expert talk on "Current trends in DBMS and OS" by Ms. Shubhi Jauhari on 13th Sept. 2019
- Expert talk on "Current Trends in Software Testing" by Mr. Saad Khan on 14th Sept. 2019
- Expert talk on "Fight against Depression" by Mr. Gaurav Warman on 17th Sept. 2019

▪ **Training & Placement**

Sr. No.	Name of Company	No. of Students Placed
1	TCS	2
2	Montran	3

▪ **Abstract of Paper published**

Optimal Association Rule Mining for Web Page Prediction using Hybrid Heuristic Trained Neural Network

Prof. R. A. Gangurde published research paper in International Journal on Emerging Technologies, 11(1): 161-173(2020), ISSN No. (Online): 2249-3255

Abstract: Today, data mining, which is a branch of web mining acts a fundamental role in diverse applications like health care data extraction, education system, search engines for evaluating their performance rank over other systems. Web Page prediction (WPP) is a classification issue in which the prediction of web pages is accomplished that a user may visit according to the knowledge of the formerly visited pages. WPP problem can be

extended and implemented to reduce the access time while surfing the websites. The need to anticipate the needs of the website users to improve accessibility and user engagement is more than apparent now a day. Association rule mining is one of the most significant fields in data mining and knowledge discovery in databases. This paper plans to implement a new web page prediction model using an improved machine learning algorithm. The proposed web page prediction involves three phases (a) Rule Mining, (b) Optimal Rule Selection, and (c) Prediction. Initially, the collected web data is subjected to rule mining process. It is performed using the renowned association rule mining called Apriori algorithm, which is adopted for mining the frequent item set and association rule learning over relational databases. The length of the rule extracted from the Apriori algorithm is long, and it is needed to be reduced for performing the prediction with unique informative rules. Hence, the optimal rule selection is adopted, which uses the hybrid optimization algorithm with the integration of Deer Hunting Optimization Algorithm (DHOA) and Chicken Swarm Optimization (CSO) called Deer Hunting Rooster-based CSO (DR-CSO). Further, the optimally selected rules are subjected to the Machine learning algorithm named Neural Network (NN) for predicting the browsing behavior of the user. Along with the optimal rule extraction, the proposed DR-CSO is used for performing the training in NN. The experimental and comparative results will prove the efficiency of the developed model over existing algorithms.

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