

MCA WORKSHOPS AND SEMINARS 2019-20

Department of MCA conducts various curricular activities for the students to provide better learning environment with the intention of making the students more socially aware and responsible along with the development of their technical expertise. Technical talks and workshops by experts from industry, personality development programmes are frequently arranged to enhance their skills and to make them employable. The activities helps students to become involved and interact with other students, leading to enhanced development. The students are offered many opportunities to participate in various co-curricular activities, in order to accentuate and demonstrate their creative skills and hidden talents.

Here are the list of workshops and seminars that were conducted this academic year 2019-2020

Date: 13th July 2019

Event: Seminar on Social Awareness

Participants: 52 (Students of III & V Sem MCA)

Objective: To sensitize the students with the problems of society and to encourage them to act upon favourably.

A seminar on “Social Awareness” by Amal Roshan Sylvester, Co-ordinator, B. Voc. Courses, Jyoti Nivas College is an initiative by MCA Department which was held on 13th July 2019 to spread awareness on social issues.

Mr. Amal stressed upon enhancing human well-being and discussed various avenues wherein technical students can involve themselves and work towards the betterment of the society. He also mentioned that we should help people to meet the basic human needs, with particular attention to the needs and empowerment of people who are discriminated, vulnerable, oppressed, and living in poverty.

Outcome: Students are motivated to help the marginalized and needy. They are actively involving themselves in the activities conducted by Social Immersion Club.



Event: “Workshop on Azure Databricks”
Date: 23rd Aug 2019

Objective: To educate the students on the trending technology Data Analytics and cloud services using Microsoft Azure platform.

On 23rd August 2019, the department of MCA conducted a regional workshop on “**Azure Data Bricks**” with active participation of students from various colleges. The workshop comprised of two sessions. The first session focussed on the introductory concepts related to cloud services and data analytics, Azure data bricks architecture and service models. The second session of the workshop gave the students a hands-on experience on Data bricks to make them understand the cloud platform and how it integrates with a wide variety of data stores and services. The participants were introduced to Text Analytics API, computer vision and machine learning tools to provide simple text and image analysis solutions.

Outcome: The participants are familiarized with the various tools and services of Microsoft Azure cloud platform and can leverage the concept learnt to develop practical solutions.



Date: 8th November 2019

Event: Regional Level Workshop on NOSQL using MONGO DB

Objective: To introduce participants to fundamentals of NoSQL databases and working with MongoDB document-based database

On 8th November 2019 the department conducted the regional level workshop on NOSQL using MONGODB. Mr. Sandeep C S, Full Stack and Mobile Engineer, Cyware Labs, Bangalore was the resource person. More than 50 participants from 10 colleges from Karnataka benefited from this workshop. MongoDB is a document based NoSQL database and it is capable of processing structured, semi-structured and unstructured data. The participants learnt about the fundamentals of NoSQL databases, differences with relational database model, features of MongoDB and working of basic commands in MongoDB database. The workshop focussed on training the participants with creating databases and JSON-like documents in MongoDB and apply all CRUD operations and basic functions.

Outcome: The participants can create simple applications using MongoDB NoSQL database.



Date: 5th February 2020

Event: Regional level event “Campus to Corporate” 2020

Objective: To equip the participants with recent developments in the digital technologies and to familiarize the agile method of software development.

On 5th February 2020 the department of MCA conducted regional level event “Campus to Corporate” 2020. The purpose of this program was to equip the under graduate students with recent developments in the digital technologies. It was our privilege to have a team of technical experts from Brillio as a resource persons. 80 participants from 6 colleges in and around Karnataka participated in the event.

The Event started with a technical talk on “Digital in the industry” by Ms. Smitha Thumbikatt, Associate Director, Delivery Excellence at Brillio. Ms. Smitha gave an insight on the digitalization era that is transforming the business sector. She insisted on the need to rise to the emerging technologies and how companies need to adapt to changes that happen due to various odd reasons. Mr. Mosesraj R, Associate Vice President-CIO and Head of Excellence, Brillio spoke about the current trends and needs in the IT field. The next session “Workshop on Agility through games” was conducted by Ms. Smitha and Mr. Chetan Vasuki, Agile Coach, Brillio wherein the agile methodologies of software development was introduced with the help of a game plan. This helped the participants to understand the agile techniques and methods they need to apply as developers.

Our proud alumina Ms. Sowmyavathi V, User Assistance Developer, SAP was also present in the event. Ms. Sowmyavathi spoke about her experience as a student in Jyoti Nivas and what the College has offered her. She also said the young minds that there are a lot of opportunities and it is in their hands as to how they use it to make a better future.



Date: 12th February 2020

Event: Technical Talk on “Lifesciences in IT” through Video conference

The department of MCA conducted the first video conferencing event for their students on 12th February 2020. Mr. Sathyaseelan was the resource person who works as a Solution Architect, Research and Development Department for the Cognizant technology solutions company in the United States in the field of life sciences. This session gave us an Insight about how the pharma companies in the USA works and what are the chances for the young computing minds to get into it and show their interest and calibre. He spoke about various stages that are involved in getting the final product into the market. Research and Development, Supply chain management and Manufacturing were the stages which was discussed in the session.

Outcome / Feedback:

This session was indeed very helpful to give us a clear understanding about what are the various opportunities for young programmers in the field of life science and how we can pursue it and what can be improvised to make ourselves fit in it better so that we could bestow to the betterment of the industry.



Event: Cloud Services Using Azure

Date: 28th February 2020

Objective: To understand the working of cloud computing models and how to develop and deploy services in the cloud platform Microsoft Azure

Highlights

The Department of MCA conducted an event on 28th February 2020 on Cloud Services Using Azure. Mr. Balachandar S who is a Senior Solution Architect in SHELL India was invited as the resource person for the workshop. Around 150 participants from other colleges including 70 students from our department and the BCA & B.Sc students from the UG departments attended the event.

Mr. Balachandar S demonstrated how to develop applications using different services offered Microsoft Azure for cloud Services. He enabled the participant to understand the know-how of creating and accessing the account, working with virtual machines, using various service API's of Azure and web application deployment. He also gave an insight on Hyper Disruptive Business Models, and top technologies trend for 2020.

Outcome: This workshop enabled the participants to grasp the basics of cloud computing and comprehend the terminology, tools and technologies associated with top cloud platform Azure. The hands-on, and realistic examples demonstrated will help them to apply these skills in creating real-time applications.



Event: Technical Talk on “The role of IT in real estate domain in the United States” through Video Conferencing
Date: 6th March 2020

On 6th of March 2020, the department organized a lecture through video conferencing for the benefit of I and II year MCA students. Mr. Arthur Neil, Senior Technical Lead, Happiest Minds, U.S.A addressed the students on the topic”The role of IT in real estate domain in the United States”. The below points are discussed during the session.

- How small modules that are collected together for project information through unique id and how small programs are used to collect data and to store it in the database.
- How each property has its own details in the database and with the help of these databases the statistics are manipulated to buy a house
- How agents work as middle man between the seller and the buyer and how the statistics of data and pricing are sent to clients and how they are made to trust the statistics of data for the correct sale.
- The team requirements in terms of infrastructure and the individual skills - like they should have scaling and marketing capabilities and the testers should have equal amount of knowledge as the developers.
- They use AWS architecture and multiple threads to work parallel with base program.

Questions were asked on Data analytics, roles like business analyst, processing the data offline and live processing of the data.

Outcome / Feedback:

This session was very helpful for the students as it gave them an insight on what’s and how’s of the industry and also the areas where students can concentrate and also the opportunities that are there for fresher’s like us. We feel deeply grateful to our Director Dr. Sr. Lalitha and our department faculties for giving us this opportunity to hear out such influential talk from such an experienced resource person.