



RAPID-SHARE

“A Knowledge Granary”

A Monthly Newsletter from Department of Master of Computer Applications

Volume No.:6, Issue No.: 1

January 2021

Message from Head,

Welcome to the 2020-2021 edition of **RAPID-SHARE**. This exciting edition showcases on various events organized in the Department of MCA. Few glimpses are highlighted here on our student's participation at department level activities and Co-curricular activities.

Dr. Asha V

Head, Professor- MCA, NHCE

Message from Editor

The **RAPID-SHARE** newsletter is just one of the tools of this MCA Course to connect to our students. It is intended at all students with significance in maintaining unity & integrity and hopefully will be able to learn something new and share their experiences and expertise.

Dr. K. G. Madhwaraj

Professor-MCA, NHCE

Stay Connected with **RAPID-SHARE**

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Why Rapid - Share?

The **RAPID-SHARE** Newsletter is published every month for exhibiting the current trends in ICT as well as to portray the activities of students and faculty of MCA Department, NHCE. This is for blazing the budding minds with Knowledge Granary.

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VISION OF NHCE

To emerge as an institute of eminence in the fields of engineering, technology and management in serving the industry and the nation by empowering students with a high degree of technical, managerial and practical competence.

MISSION OF NHCE

To mould our students into a holistic personality accomplished in emotional, moral, intellectual, social and mental capabilities besides inculcating a capacity for critical and lateral thinking. To adhere long-term interaction between the academia and industry through the involvement of the industry in the design of curriculum and its hands on implementation.

QUALITY POLICY OF NHCE

To provide education services of the highest quality both curricular and co-curricular so that our students can integrate skills and serve industry and society equally well at the Global level.

VISION OF MCA DEPARTMENT

To be the source in bringing Competent Computing professional, innovators, researchers, and leaders to serve the industry, society and nation.

MISSION OF MCA DEPARTMENT

To nurture students with a holistic approach, to inculcate knowledge, expertise and attitude with the ability to think critically, rationally and innovatively

QUALITY POLICY OF MCA DEPARTMENT

To impart excellence in the art of education both curricular and co-curricular, and make students to be successful, ethical, effective solution providers and lifelong learners who will contribute positively to the economic well-being of our nation.

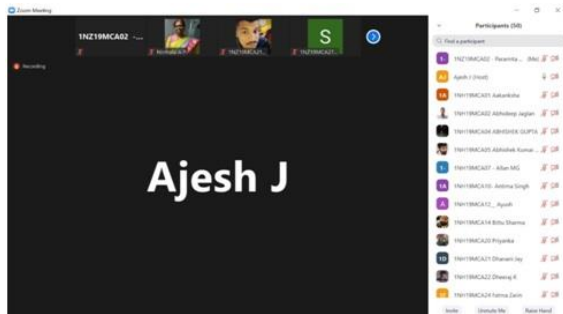
FTP: DATA ANALYTICS FOR BUSINESS DECISION MAKING

Faculty development program on “Data Analytics for business decision making using Tableau” was organized by Dr. A.P. Nirmala and Dr.B. Meenakshi Sundaram, facilitated by Mr.Koustubh Prem, Sr. Technical Trainer, Skyfi Labs, Bangalore. The main objective is to learn and explore tableau and its use cases.



WORKSHOP: EMERGING TECHNOLOGIES IN INDUSTRY PERSPECTIVE

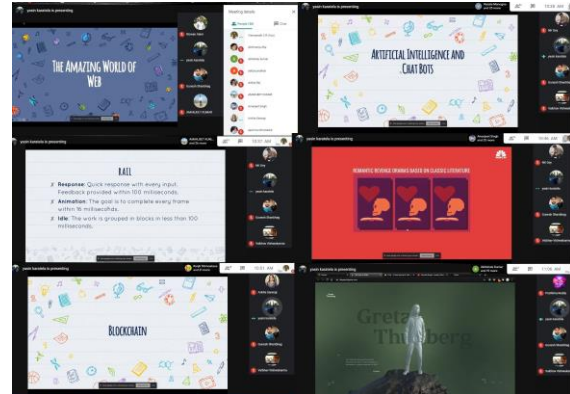
Workshop on “Emerging Technologies in Industry Perspective” organized by Dr. A.P. Nirmala, facilitated by Mr.Ajesh J, Sr. Software Engineer, TESCO, Bangalore. The main objective is to give perspectives on emerging technologies in demand.



THE AMAZING WORLD OF WEB

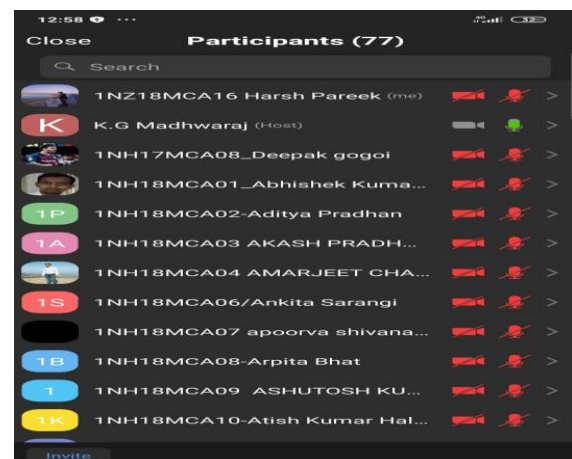
Webinar on “The Amazing World of Web” organized by Prof. Vishwanath C

R, to provide the students an insight into the importance of today’s web apps in the industry. The main objective is to give perspectives on emerging technologies in demand.



MOTIVATIONAL TALK: IMPORTANCE OF PLACEMENT

A motivational talk was delivered by Dr. K. G. Madhwaraj, Professor, Dept of MCA to the final year students. He highlighted the importance of getting placed in today’s world and also informed students what they have to do in getting placed in a good company.



He stressed on having a uniform schedule and prepare according to the schedule and this is the only method how students can be prepared for the coming industry requirements. He also said that skills are very important

today and how many ever skills they learn, students will be up the ladder.

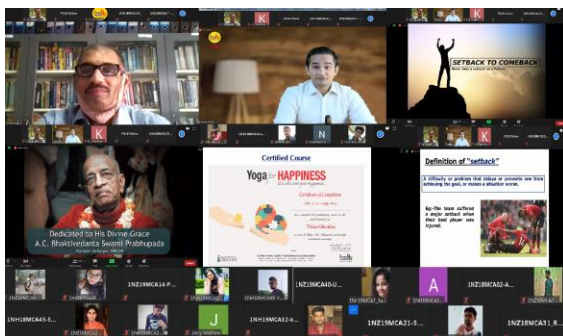
MOTIVATIONAL TALK: SETBACK TO COMEBACK

The Dept. of MCA, New Horizon College of Engineering in collaboration with the Youth Empowerment club of ISKCON Bangalore presented a very practical and insightful online session on 4th September 2020. 150 plus MCA students attended the webinar and got benefitted. The session began with an introductory address on the speaker by Dr. K.G. Madhwaraj, Professor, MCA Dept.

Sri Rama Sevaka Dasa, from ISKCON, Bengaluru addressed the students about the importance of challenges and how to face them in life. He gave live examples of Srila Prabhupada, Amitabh Bacchan, Steve Jobs, Steve Smith and many more achievers and the difficulties they faced before they made their comeback in the respective fields. He also stressed upon the need to keep oneself positive and treat every difficult situation as an opportunity.

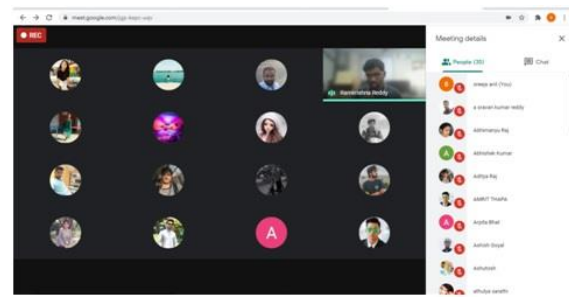
Finally, the Vote of Thanks was delivered by Mr. C.R. Viswanatha, Senior Assistant Professor, MCA Dept.

The MCA Dept would like to thank our Management, Principal and our HOD for permitting this talk in our department.



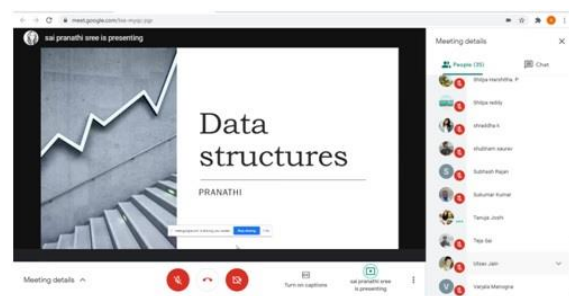
PLACEMENT TRAINING SESSION: DATA STRUCTURES

Placement Training Session for the 2021 Batch who are eligible for TCS & Cognizant Placement Drives was organized by Dr. Asha & Ms. S. P. Sreeja of MCA department. Speaker of the session is Mr. Rama Krishna Reddy, Assistant Professor, Rosary College of Commerce & Arts, Goa. Objective of the session is to enhance and motivate the students to attend all the sections and as well as to acquaint the skills for Technical Coding session based on Data Structures concept in those drives.



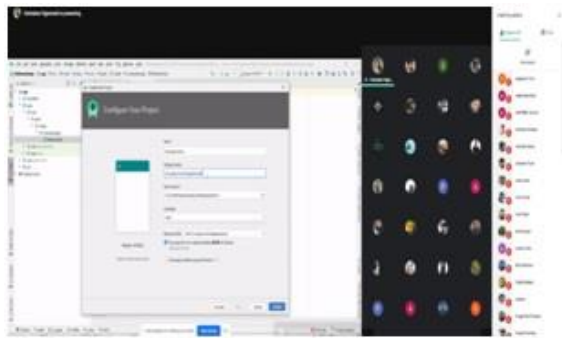
PLACEMENT TRAINING SESSION: ENHANCING CODING SKILLS

Placement Training Session for the 2021 Batch who are eligible for TCS & Cognizant Placement Drives was organized by Dr. Asha & Ms. S. P. Sreeja of MCA department. Speaker of the session is Ms. Sai Pranathi, Sales Force Developer, ITC Infotech. Objective of the session is to enhance the skills for Technical Coding session based on Data structure concepts in those drives.

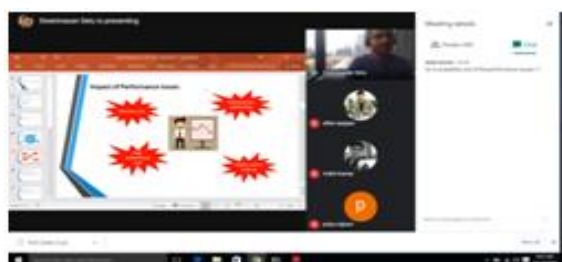


EXPERT LECTURE: SPLUNK & BIG DATA

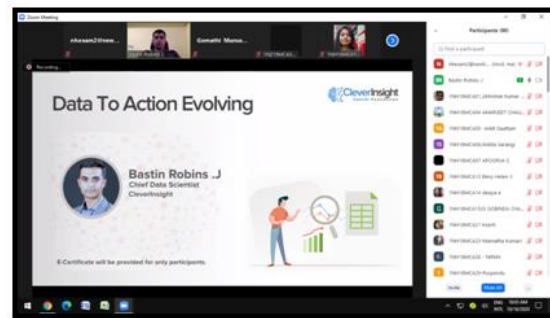
Expert talk on “Introducing Splunk, Big Data Engine” was organized by Ms. S. P. Sreeja, speaker of the day is Ms.Sneha Vajjaramatti, Module Lead, Global edge Software Solutions. Objective of the session is to enhance the acquaintance of Splunk and Big Data – a part of Data warehousing and Data Mining and also to show demo on Splunk.

**WEBINAR: IMPORTANCE OF NETWORKING**

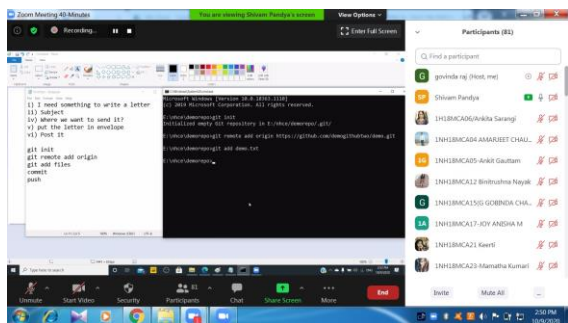
The objective of this lecture was how importance networking practice skills for these days in to every domain of work. Essential skills in computer networking help to build a confidence and get better career opportunities. In addition the expert detailed many certifications relevant to programming and networking practices for the professions.

**FACULTY DEVELOPMENT PROGRAM : DATA SCIENCE**

FTP on “Data Science - Insights” organized by Dr. A.P. Nirmala and Dr.B. Meenakshi Sundaram, facilitated by Mr.Bastin Robins, Chief Data Scientist, Clever Insight, Bangalore. The main objective is to explore more real time case study and analysis of data science.

**TECHNICAL TALK: EXPLORING GIT HUB**

The session was conducted through Zoom by Mr. Sandeep J Pandya, Senior Systems Engineer, Infosys ltd.The title of the session was Exploring GIT HUB which was very helpful as we got to know the importance of exchanging knowledge and creating a technical centric world. The session covered the importance of GIT HUB platform and how it helps in hosting for software development and version control using. It offers the distributed version control and source code management functionality of Git, plus its own features. During the session students were taught about how git hub works and how to display resume in html file in git.



ENHANCE-20 TECHNICAL FEST

On 16th October 2020 an event "Enhance-20" was conducted by the Department of MCA, NHCE. EDAP and FOSS club teamed up to carry forward the agenda of conducting this online inter collegiate tech fest event from MCA department that gives a brief about the various online platforms and other technologies and provides a platform for the students to showcase their hidden talents.

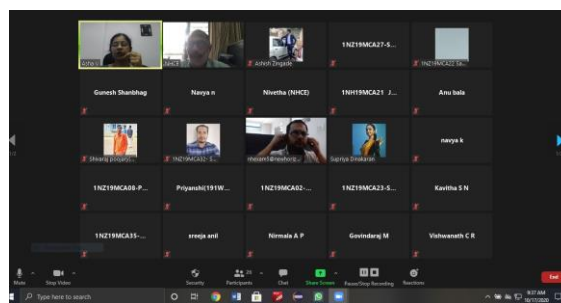
Nearly 100 students of various colleges have attended the fest and many won the prizes. E-Certificate is issued to the winners and all the participants.



YUKTI V6.0 TECHNICAL SYMPOSIUM

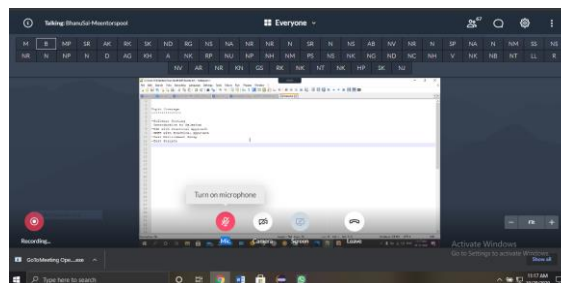
Yukthi V6.0 gave an opportunity to advocate their innovative ideas in a wonderful students forum. The process of making a student research-savvy should be the priority today and very much vital to the PG students of computer applications. The students presented their project ideas in their field of interest.

The experts were the faculty from the MCA department. They patiently listened to all the research ideas and gave suggestions to students as to how they can further their ideas in a proper effective way. Student participants from various departments presented the research papers along with a power point presentation. There were a few participants from external colleges too. The ideas behind the research papers were amazing, incorporated various technologies and case studies. Some students participated as a team and a few had their individual papers to present.



WHY AUTOMATION?

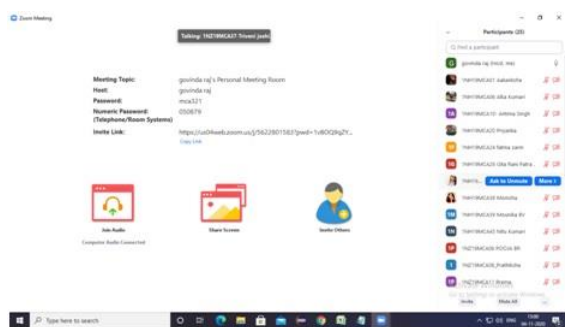
This workshop introduced the concepts of automation and how this can be achieved with the help of Selenium Web Driver. This was delivered by Mr. Bhanu Sai, Selenium Expert, Mentors Pool India Pvt Ltd.



PLACEMENT TRAINING: JAVA

Placement Training Session for the 2022 Batch who are eligible for Lowe's to take up the Aptitude Test, its

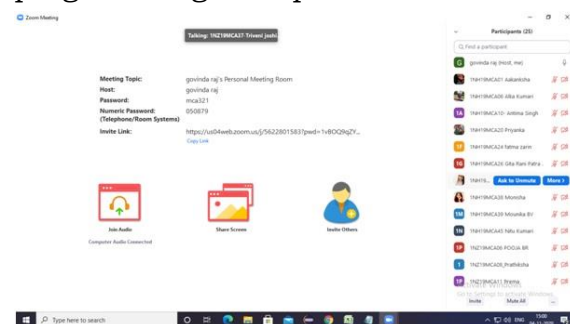
related to Women Empowerment and only Girls were eligible. Training session organized by Dr. Asha & Ms. S. P. Sreeja of MCA department with the support of MCA faculties. Speaker of the session is Prof. M Govindaraju, the objective of the session is to enhance and motivate the students to attend all the sections and as well as to acquaint the skills for Technical Coding session based on Java concepts. The following topics this with hands on exercises were discussed during the session: Class & Object, Array & String, Inheritance, Interface, Package, Exception handling, Multithreading. Also briefed about the following topics: Key features of Java, JIT, JDK, JVM, JRE, types of variables, method overloading, method overriding, string, StringBuffer, StringBuilder, Access specifiers, collection, final keyword and this keyword.



PLACEMENT TRAINING: C PROGRAMMING

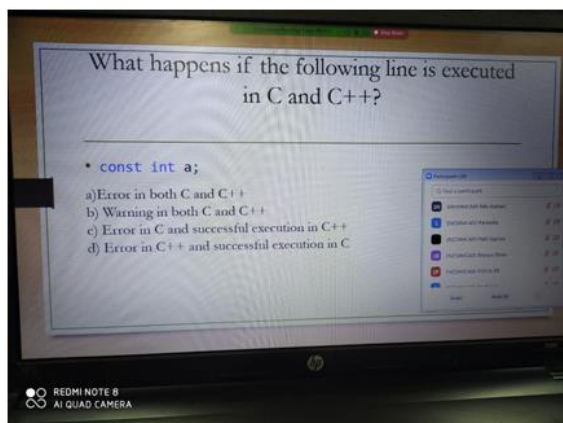
Placement Training Session for the 2022 Batch who are eligible for Lowe's to take up the Aptitude Test, its related to Women Empowerment and only Girls were eligible. Training session organized by Dr. Asha & Ms. S. P. Sreeja of MCA department with the support of MCA faculties. Speaker of the session is Dr. A. P. Nirmala, the

objective of the session is to enhance and motivate the students to attend all the sections and as well as to acquaint the skills for Technical Coding session based on C concepts. The following topics this with hands on exercises were discussed during the session: Data types, Variables, Operators, Expression, Conditional statements (if and switch), Loop statements (for, while), break continue, Strings, Arrays, Functions and Pointers with programming examples.



PLACEMENT TRAINING: OOPS

Placement Training Session for the 2022 Batch who are eligible for Lowe's to take up the Aptitude Test, its related to Women Empowerment and only Girls were eligible. Training session organized by Dr. Asha & Ms. S. P. Sreeja of MCA department with the support of MCA faculties. Speaker of the session is Prof. AnuBala, the objective of the session is to enhance and motivate the students to attend all the sections and as well as to acquaint the skills for Technical Coding session based on Object Oriented Programming concepts. The following topics this with hands on exercises were discussed during the session: Datatypes, Operators, OOP's concepts: Inheritance, Polymorphism. Students have been actively participated and given the answers to the questions presented.



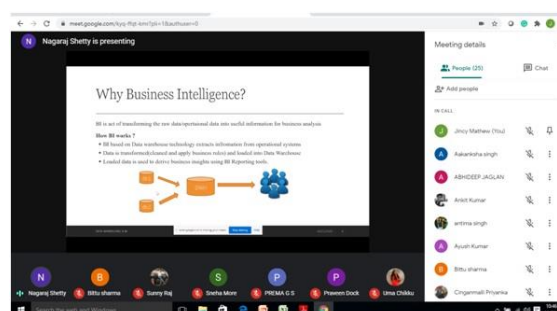
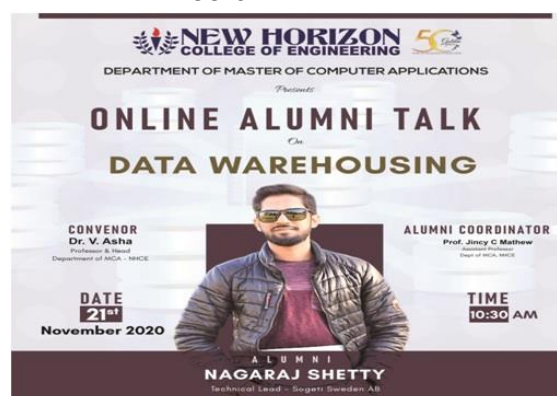
HANDS-ON WORKSHOP ON C#.NET APPLICATIONS

The session was presented by Mr. Sharath, a Senior Consultant, Suventure Services Private Limited and he is also an Alumni of MCA department. He delivered a session on the topic “Hands-on Workshop on C#.NET Applications”. The session began with an introduction to database connectivity in C# .NET. He gave brief information about Visual Studio and different versions of it. He explained about Databases connectivity on various platforms including SQL, Oracle, MySQL etc. The speaker also discussed about the tool Visual Studio along with C# .NET which helps in developing small scale and large scale applications. He demonstrated the connectivity of the database which holds Student Records including their ID, Name, DOB, and Department. He also explained about multiple operations like Insertion, Deletion, Updating that could be commonly performed on many management applications like Employee Record Management, Student Marks Registry etc. This session helped the students to improve their knowledge on basic Connectivity that allows them to access the Database and create Tables based on their application’s requirements.

ALUMNI TALK ON DATA WAREHOUSING

Workshop on “Data Warehousing” aimed to impart technical and practical knowledge to students. The following topics were discussed in the session with live examples.

- Business Intelligence
- Data Warehousing, Architecture, Advantages.
- OLAP Cube:
- OLTP vs OLAP
- SMP vs MMP databases
- ETL (Extract Transform Load), ETL Tools



WORKSHOP: WEB 4.0 USING MERN

The session was conducted through Zoom by Dr. Anbunathan R, founder & CEO of a startup company called ‘DigiTran Solutions’. The title of the session was “Web4.0 using MERN” which was very helpful as we got to know the importance of exchanging

knowledge and creating a technical centric world. The session covered the evolution of web platform, its importance and its applications. During the session students were taught about how it works with other platforms like AI, Bigdata, Cloud and Machine Learning.



MEMORANDUM OF UNDERSTANDING

The Department of MCA signed an *MOU* on 11-11-2020 with “DigiTran Solutions” to set up a “Virtual Incubation Centre”. Dr. Anubnathan Ramaiah, Ex-Chairman of CSI, Founder & CEO of DigiTran Solutions, Bengaluru visited the campus for this purpose. This MoU enables students and faculty to develop products powered by digital transformation technologies, file patents and publish research papers collaboratively. Hearty thanks to our Principal for motivating us and gracing the occasion.



PARENTS TEACHERS MEETING

Department of MCA arranged PTM through Zoom app on 07.11.2020 for III and V Sem MCA Students between 09:30 – 12:30.

Outcomes of PTM :

Many Parents attended the Meeting. Parents were happy with the effort taken from the College in conducting classes online during the pandemic period.

Parents also enquired about the performance of their wards in the respective Subjects.

Faculty handling classes for both MCA V Sem and III Sem attended the Meeting

Action Taken :

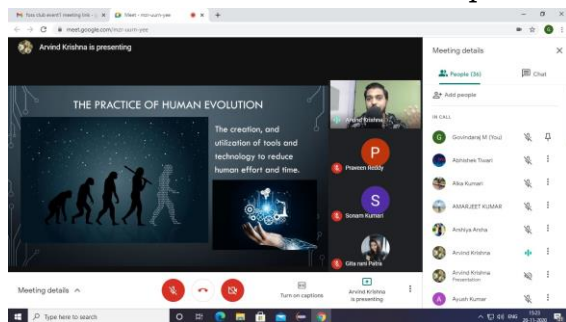
Most of the suggestions given were positive feedbacks. Not attended parents were encouraged to call any subject teachers at any time to know their wards progress.



TECHNICAL TALK: WORKFLOW AUTOMATION BY FOSS CLUB

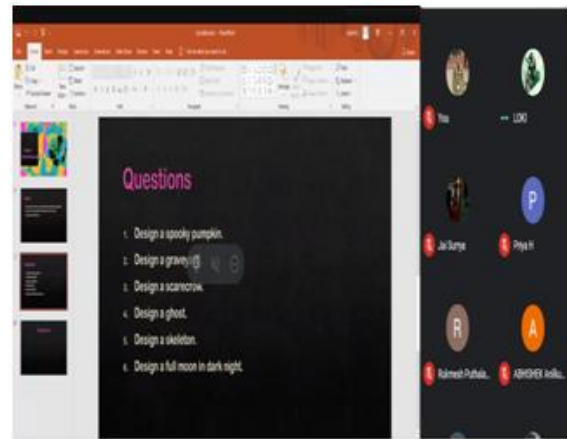
The session was conducted through Google Meet by Mr. Arvind Kishna. S, Entrepreneur, Founder & CEO, Evolv Academy, Bangalore. The title of the session was Workflow

Automation, which was very helpful as we got to know the importance of exchanging knowledge and creating a technical centric world. The session covered the importance of Automation and to understand how and why it is cost effective and in efficient. During the session students were taught about automation in today's scenario, what changes automation brought to the industry and the future of automation. Hands-on session was conducted to understand the implementation of Workflow Automation with real time example.



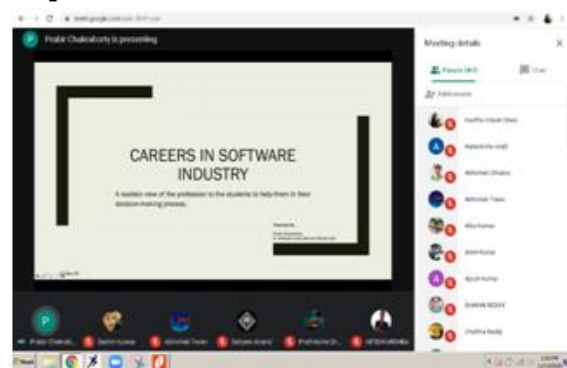
TECHNICAL EVENT: “RENDEZVOUS” BY EDAP CLUB

“Rendezvous” gave us an opportunity to conduct different levels and rounds that explained and portrayed the importance of E-designing and publishing tools. The entire event was precisely divided into three main rounds. Each round was planned with a purpose of letting everyone quickly learn about the tools that we have in the industry, also with a perspective of testing each participant’s knowledge about existing software.



TECHNICAL TALK: INFOSESSION BY EDAP CLUB

The session was conducted through Google Meet by Mr. Prabir Chakraborty. Senior software Developer, Walmart, Bangalore. “Infosession” was conducted with a perspective of encouraging students to step into the creative era and to guide them through the importance of user experience that are excelling. This program was one of our successful events of this year solely conducted by the EDAP club members from Department of MCA, NHCE.

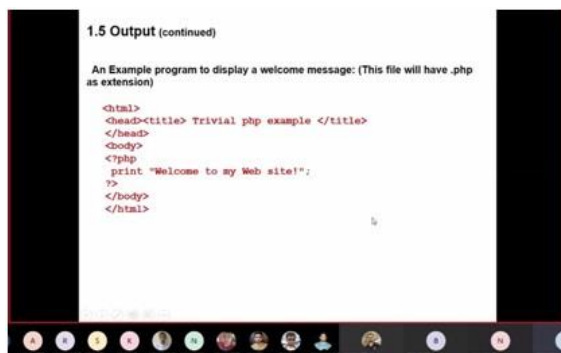


PLACEMENT TRAINING: PHP

Placement Training Session for the 2021 Batch who are eligible for EMBITEL to take up the Technical Test. Training session organized by Dr. Asha & Ms. S. P. Sreeja of MCA

department with the support of MCA faculties. Speaker of the session is Prof. Vishwanatha C R, the objective of the session is to enhance and motivate the students to attend all the sections and as well as to acquaint the skills for Technical Coding session based on PHP concepts. The following topics this with hands on exercises were discussed during the session:

- Introduction to PHP, Basic concepts,
- Data types, control statements, Arrays,
- Functions, Pattern Matching,
- Form Handling, Session Tracking,
- Data base Programming in PHP



```

1.5 Output (continued)
An Example program to display a welcome message: (This file will have .php as extension)

<html>
<head><title> Trivial php example </title>
</head>
<body>
<?php
print "Welcome to my Web site!";
?>
</body>
</html>

```

PLACEMENT TRAINING: MAGENTO

Placement Training Session for the 2021 Batch who are eligible for EMBITEL to take up the Technical Test. Training session organized by Dr. Asha V & Prof. Govindaraju M of MCA department with the support of MCA faculties. Speaker of the session is Mr. Galla Dileep Kumar, currently working with Embitel, the objective of the session is to enhance and motivate the students to attend all the sections and as well as to acquaint the skills for Technical Coding session based on Magento concepts. The following topics

this with hands on exercises were discussed during the session:

- Introduction to e-commerce
- Fundamentals of Magento
- Basic concepts including the need for Magento
- Magento Features
- Session & Cookies overview

Concluded with the tips for tackling the Technical Interview focusing mainly on Admin overview with Admin Dashboard and various methods.

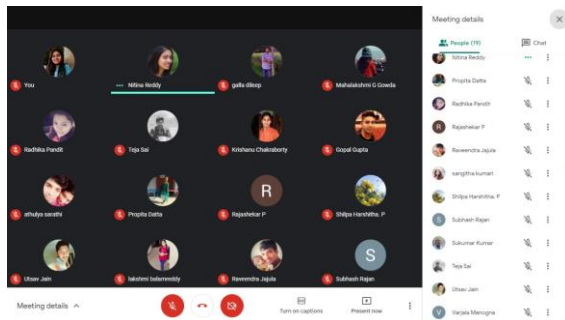


PLACEMENT TRAINING: MAGENTO CONCEPTS

Placement Training Session for the 2021 Batch who are eligible for EMBITEL to take up the Technical Test. Training session organized by Dr. Asha V & Prof. Govindaraju M of MCA department with the support of MCA faculties. Speaker of the session is Ms. Nitina M A, currently working with Embitel, the objective of the session is to enhance and motivate the students to attend all the sections and as well as to acquaint the skills for Technical Coding session based on Magento concepts. The following topics were discussed during the session:

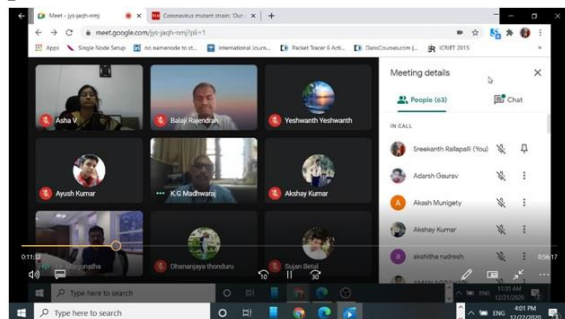
- Introduction to Design and Template
- Block & Layout
- UI Components
- Products

Concluded with the tips for tackling the Technical Interview focusing mainly on Frontend overview with Design concepts.



I SEMESTER MCA INDUCTION PROGRAM

I MCA induction program was done on 21st Dec 2020. The welcome given by Dr.V.Asha Prof & Head and followed by Dr.Manjunatha, Principal NHCE. The chief guest Dr.R.Balaji, Joint-Director, C-DAC delivered a special message for freshers. It was quite motivating. Followed by Dr.B.Meenakshi Sundaram, Associate professor discussed about the first year curriculum framework. Then Dr.K.G Madhwaraj discussed about the autonomous system, examination pattern etc.



NATIONAL CONFERENCE(NCICT 2020)

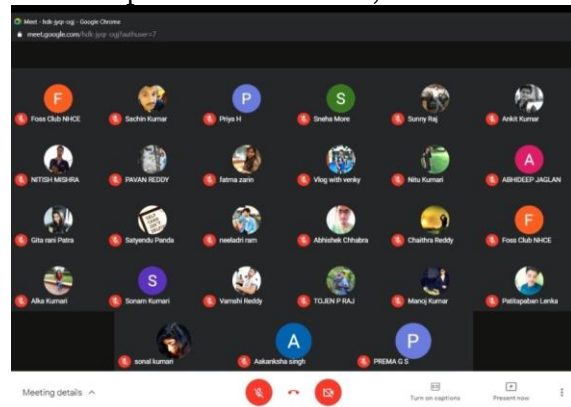
A National Conference was hosted on 23rd Dec 2020 with the theme recent trends on INFORMATION AND COMMUNICATION TECHNOLOGY. The National Conference on Information and Communication Technology (NCICT-2020) provided a common

forum for deliberations, sharing of recent trends, advancements and research in the field of information and communication technologies. This conference provided a very good platform for academicians, researchers, industry practitioners and technologists to discuss and present recent advances and research outcomes in the field of Computer science.



TECHNICAL QUIZ: “ TECH-MINDS” BY FOSS CLUB

“Tech-Minds” gave us opportunity to conduct different levels and rounds that dealt with technology-based questions. The entire event was precisely divided into two main rounds. Each round was planned with a purpose of letting everyone be aware of the importance of having a strong foundation in technical skills, which is mainly targeted when it comes to the industry, also with a perspective of testing each participant’s knowledge about existing software and technical skills. This program stood as our successful event of this year solely conducted by the FOSS club members from Department of MCA, NHCE.



Synonyms

Conspicuous Prominent
 Blatant Flagrant
 Inextricable Ravel
 Gleam Flare
 Plethora Surfeit
 Benign Genial
 Lacklustre Humdrum

Antonyms

Conspicuous Obscure
 Blatant Subtle
 Gleam Dull
 Plethora Dearth
 Lacklustre Inspired
 Benign Hostile
 Inextricable Redeemable

Contribute to Rapid-Share

We invite all MCA students and faculty members to contribute articles to the subsequent issues of Rapid-Share. The articles can be either technical or general depending upon your field of interest. All submissions have to be under 500 words. Please send your articles to e-mail address (see front page) with your name, department, year of study (designation in case of faculty members). If you want your achievements and activities to be highlighted in this newsletter, please get in touch with your respective faculty and student coordinators (see front page).

Feedback

The Editorial Board requests all readers to provide their valuable feedback regarding the content and design of the newsletter. New ideas regarding columns and content will be appreciated.

Disclaimer

Utmost care has been taken while developing content for the newsletter. Any incorrectness of data or information is purely in advertent and incidental. All contributions could not be accommodated due to space constraints and other factors. All contributions are in our database and we will try to incorporate them in future issues. The Editors also wish to inform the readers that this newsletter for internal circulation only.