



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC

Accredited by NAAC with 'A' Grade, Accredited by NBA

Department of Master of Computer Applications

Induction Programme for MCA 2022-2023 Batch

Report

Day 1: 06-02-2023

Session 1: Library Resource Utilization

The Bridge course has been conducted for the 1st year MCA students which was held for 3 days.

On the first day i.e., on 06/02/2023 there was one session being conducted on library orientation program for the first semester MCA students at 308, MCA Classroom by 12:10 PM. 80 MCA students attended the program and got benefitted.

Dr. Nirmala A.P., Associate Professor, Dept. of MCA welcomed Dr. Anitha S Rai, Dean - Library and Alumni Relations. She introduced the speaker to the students.

Dr. Anitha S Rai, Dean - Library covered various topics regarding the Library and Information Center of the college. The facilities provided by the library, rules and regulations and the timings were explained with the information about the collection of books, project reports, research articles, journals and magazines. The automated library services were elaborated to the students.

The information about digital library access with digital repository which includes syllabus, notes and question papers were also clarified. The session included the discussion about the steps/procedure for accessing the 'Lanquill' grammar tool and

related institution repositories which are highly useful for the students. The facility to download e-books and daily newspaper clippings also was included in the session. The mobile app facility to access all the resources of digital library was also detailed to the students. Overall, the session was exceptionally informative and beneficial to all the students.

Finally, the Vote of Thanks was delivered by Prof. Jincy C Mathew, Sr. Assistant Professor, Dept of MCA. The MCA Department would like to thank our Management and Principal for permitting us to conduct this program as a part of the induction program in our department.





The first day ended up with the campus tour for the students.

Day 2: 07-02-2023

On the second day of Bridge Course i.e. on 07/02/2023, there were different sessions held for the students.

Session 1: Co-curricular - EDAP & FOSS Club

The first session for the day was carried over by Dr. Arpana Prasad, Associate Professor, Dept of MCA who spoke about the various club activities happening in the department.

Functions of the FOSS club:

1. Conduct events such as app development, coding, workshops, quizzes, and expert lectures that encourage participants to set challenging goals related to the domain of work.
2. Help students realize certain specific goals by planning activities and work towards achieving those specific objectives.
3. Encourage students to explore career opportunities through expert lectures and interaction with industry professionals.
4. Involve students towards leadership opportunities at the club level through club designations like President, Vice-president, Treasurer and Member.
5. Provide opportunity to students to manage the budget, inventory and communications related to the events every year.

Functions of the EDAP Club:

1. Conduct events related to e-designing like logo designing, web-page designing, workshops, quizzes, and expert lectures that encourage participants to set goals related to the domain that are challenging yet achievable.

2. Help student realize certain specific goals by planning activities that work towards achieving the objectives.
3. Encourage students to explore career opportunities through expert lectures and interaction with industry professionals.
4. Involve students towards leadership opportunities at the club level through club designations like president, vice-president, treasurer and member.
5. Give opportunity to students to manage the budget, inventory and communications related to the events.





Session 2: Introduction to IPR & Design Thinking

The session was given by Dr. V. Agalya, Professor & Associate Head-R&D, NHCE by giving the introduction to IPR & Design Thinking. She has started the session with activity by grouping the students as Partner A &B.. The students were informed to interact within the group to understand the importance of interaction between the customer requirement and designers to develop a product/model. She informed Designer to create a model and Customer in a group to give their requirements.

She gave a demonstration through video presentation to understand the design development and customer requirement. She gave a real life example for App such as UBER and OLA. Developed by graduates from IIT , Bombay. She discussed the seven different Intellectual Property Rights such as Patent, design and geographical indication and etc. .She concluded the session by highlighting on innovation and design thinking.



Research Paper Publications

Next the session was carried out by Dr P Adhikary. He pointed out the advancement of technology in day to day life. He highlighted about the importance of publishing the research paper in IEEE and Scopus indexed journals.



Session 3: Entrepreneurship

The session was taken over by Dr. Priyameet Kaur Keet, Associate Professor, MBA. She gave an insight of entrepreneurship and its importance.

Entrepreneurship plays an influential role in the economic growth and standard of living of the country. The discipline needs to be promoted widely to ensure that the incidence of self-employment increases and also to give a definite direction of growth to existing entrepreneurs. Entrepreneurs can change the way we live and work. In addition to creating wealth from their entrepreneurial ventures, they also create jobs and the conditions for a flourishing society.

Through their unique offerings of new goods and services, entrepreneurs break away from tradition and indirectly support freedom by reducing dependence on obsolete systems and technologies. Overall, this results in an improved quality of life, greater morale and economic freedom. The emerging competitive scenario calls for a greater thrust on entrepreneurship.

The main objective of NH-EDC is to train and motivate the students to become Job Creators rather than Job Seekers. It aims to:

1. Inculcate the entrepreneurial culture into the mind of students
2. Conduct Entrepreneurship Awareness Camps (EAC); Entrepreneurship Development Programs (EDP); Faculty Development programs (FDP); and Skill development programs (SDP)
3. Assist students, entrepreneurs, including Institutes' faculty, with pre-venture, start-up or existing business with financial management, marketing, technology and product development and commercialization issues.
4. Liaison with various external agencies and leading Financial Institutions & Banks Consultancy and research



Session 4: Autonomy and Guidelines

The session was started by Dr.V.Asha, HOD,Dept of MCA who gave a glimpse on MCA Dept which included the following :

1. Credit Allocation:

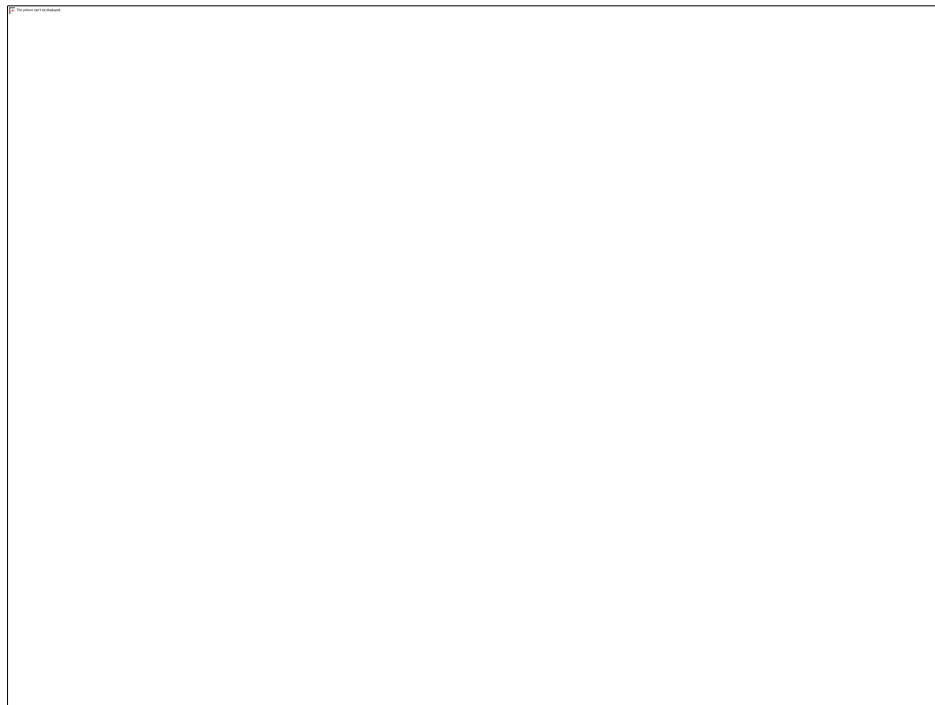
As the college is an autonomous institution the credit allocation is based on the VTU guidelines for MCA graduates.

1. Overall process of syllabus framing:

1. The syllabus is framed based on the feedback from the stakeholders (students, alumni, parents, academics and the industry).
2. Then the draft syllabus is framed.
3. From there the board of syllabus meeting will be held to frame the syllabus.

4. Then finally in the ACM[Academic Council Meeting] will be held and the syllabus will be framed.
5. Overall Evaluation process:
 1. It comprise of two parts : CIE and SEE
 2. Both CIE and SEE carry the same weightage of 50% each.
 3. CIE: SEE breakup
 1. Course with > credit [with lab] : 50:50
 1. CIE which has ongoing evaluation process which consist of 3 internals, 2 assignments, 2 quiz, and includes co-curriculum participation.
 2. SEE is for 100 marks which is a final exam of 3 hrs.
 3. There is a passing standard for CIE and SEE where both should be greater than 40%.
 4. Next was told about the grades and grade points how those will be allocated and the transitional grades.
 5. Finally it was informed about the make-up exam and fast track exams, the eligibility criteria and the classes taken.

The session was continued with the faculty introduction, the teachers who handle different subjects for the first year students were introduced themselves.



Session 5: Life Skills

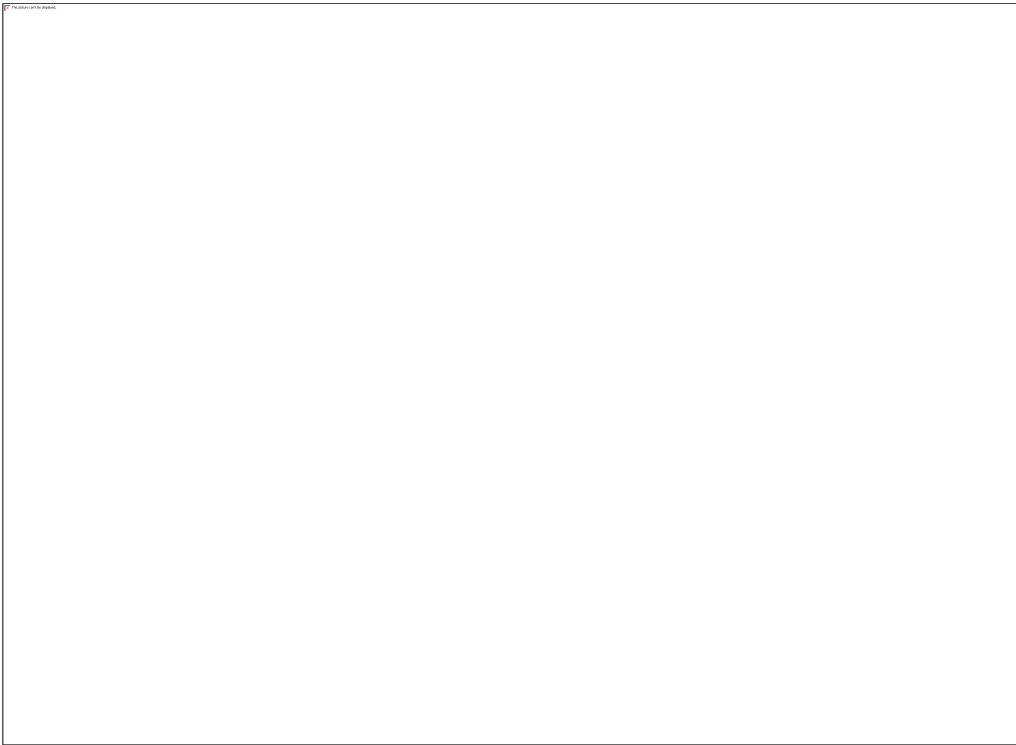
An orientation session on the need for Life Skills Education was conducted for the first semester MCA students on 7th February 2023. 86 MCA students attended the program and got benefitted.

Prof. Neethu Tressa, Sr. Assistant Professor, Department of MCA, welcomed Mr. Sabarinath S, Sr. Life Skills Trainer, NHCE. She introduced the speaker to the students.

Mr. Sabarinath S delivered quite lively and fun-filled presentation on the need and purpose of acquiring life skills education. The session started with the importance of having a personal bucket list of wishes in one's life. The students shared their bucket list and the time by which they wanted to fulfill those wishes. The next part was an activity using a ball, using which the speaker successfully demonstrated how even the simplest instructions are being perceived differently by different people. Also, everyone is having much strength in them and so it's a mistake to underestimate ourselves.

The speaker then explained on the strength of having a dream and the different stages in which one can frame the dream so as to make it true. As a youngster, all students were then motivated to have worthwhile hobbies in their life and to unleash their true potential by exploring the world. Entire session was highly interactive and the students also actively participated till the end.

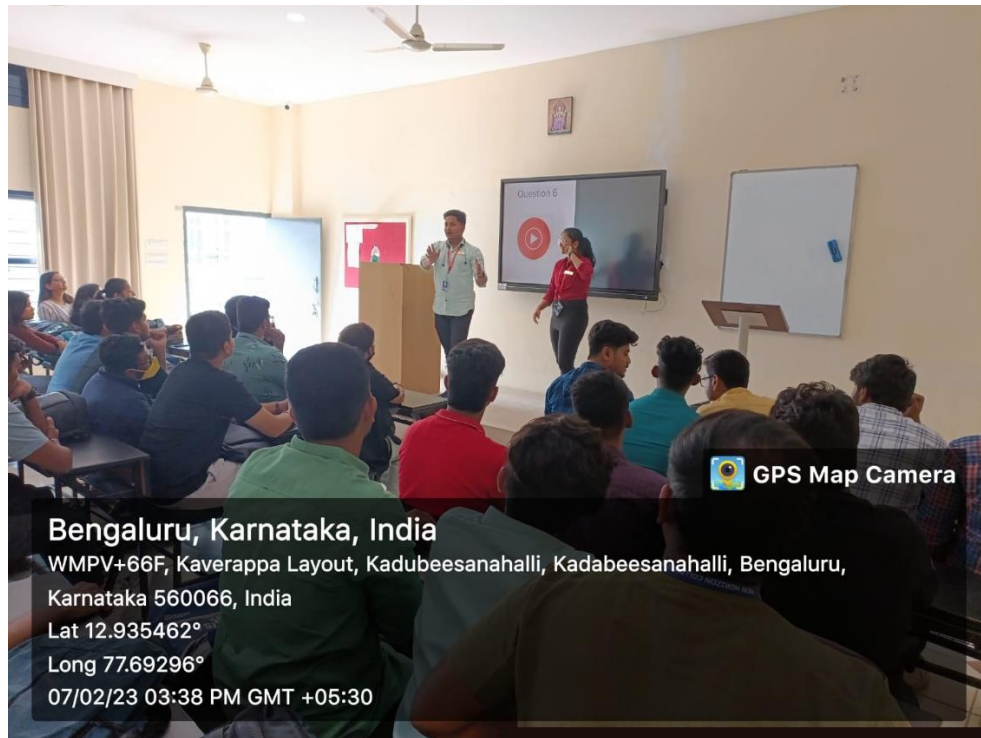
The session came to an end by delivering a note of gratitude by Prof. Neethu Tressa to the guest speaker for his wonderful session. MCA department is thankful to the Management and Principal for permitting to conduct this session as a part of the Induction Programme in our department.



Session 6: Event-Tech Hang out

The fun-filled session was taken over by EDAP & FOSS president Satyam & Manasa thru a tech-quiz.

They interacted with the students, they gave introduction about the clubs of MCA Dept, i.e., EDAP and the FOSS club. Here the students of both the clubs gave an insight about each club and conducted some activities for the students on behalf of their clubs. They even encouraged them to join and participate in the club events.



Day 3: 08-02-2023

The Bridge Course on the third day i.e., on 08/02/2023 included four sessions mainly:

Session 1: Industry Based Orientation

An Industry Based Orientation session was conducted for the first semester MCA students on 8th February 2023. 87 MCA students attended the session and got benefitted. Prof. Neethu Tressa, Sr. Assistant Professor, Department of MCA, welcomed Dr. K G Madhwaraj, Professor, Dept. of MCA, NHCE. She introduced the speaker to the students. Dr. Madhwaraj sir delivered an enlightening session with his own real-life experiences. The session started with the importance of following an academic syllabus which is much in synchronization with current technological advancements. The speaker stressed out the rapid change of technologies. He pointed out seven principles or “Sapthamanthras” to be followed by the students to have a well-organized working life, which were as follows:

1. You should read-a-computer daily
2. Focus on health
3. Improve your communication skills
4. Have a good dressing discipline and grooming

5. Do your projects in full commitment

6. Improve your skills

7. Build your attitude and aptitude

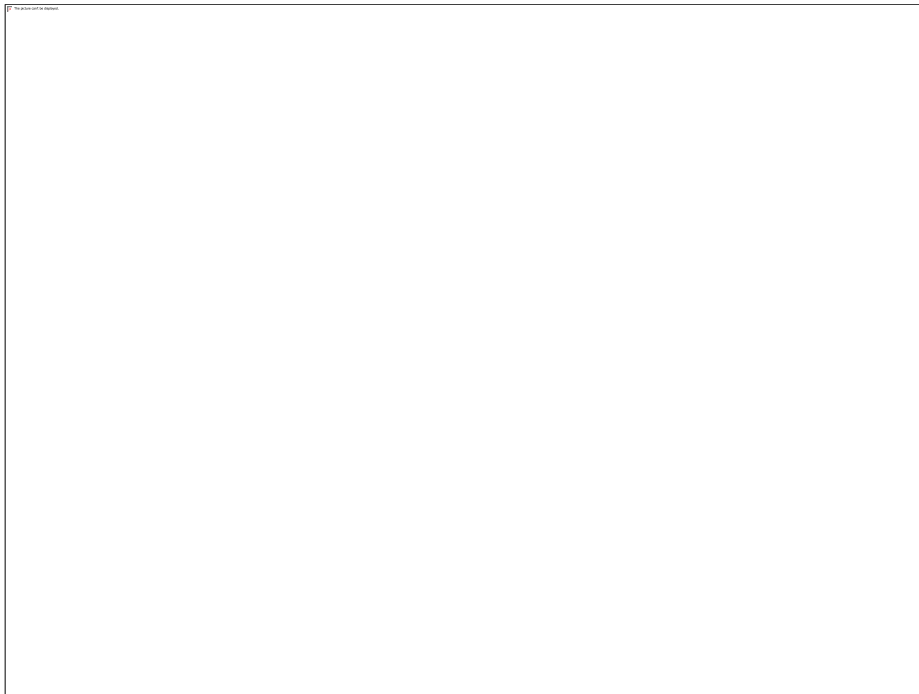
Entire session was highly interesting and the students were also active throughout the session. The session came to an end by delivering a note of gratitude by Prof. Neethu Tressa to the guest speaker for his informative session. MCA department is thankful to the Management and Principal for permitting to conduct this session as a part of the Induction Programme in our department.





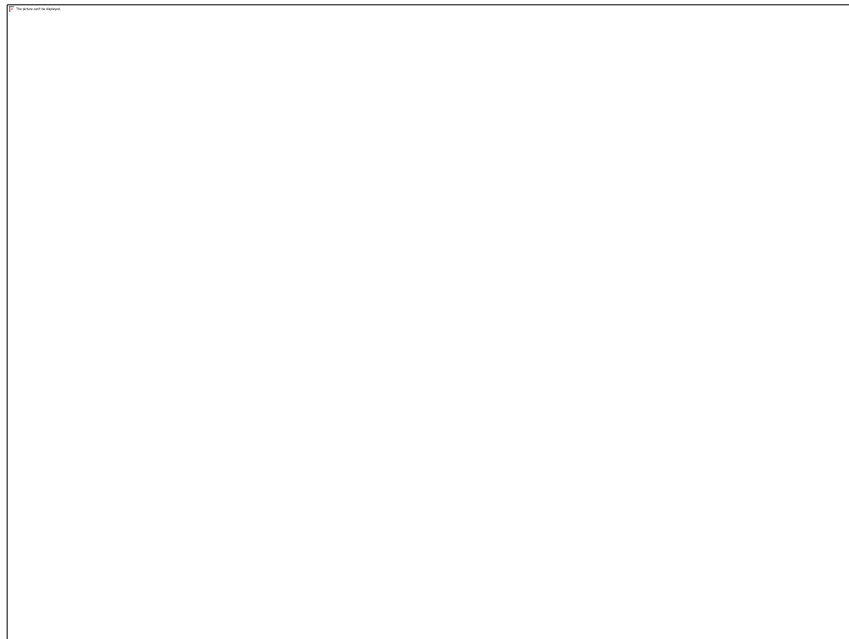
Session 2: Alumni talk

The session was given by Mr. Ankit kumar from Oracle Cerner, Alumni of our department. He mentioned the topics, which needs to be given importance for the placements. He highlighted about the importance of aptitude, logical and technical skills.



Session 3: Placement thoughts - Placed Students

Then session was done with the placement talk where the students who got placed in different companies spoke about the challenges faced during the interview process. Madhushree and Rakesh from III semester share their experience on research paper publications, conduction and participation of club activities and preparation for placements.



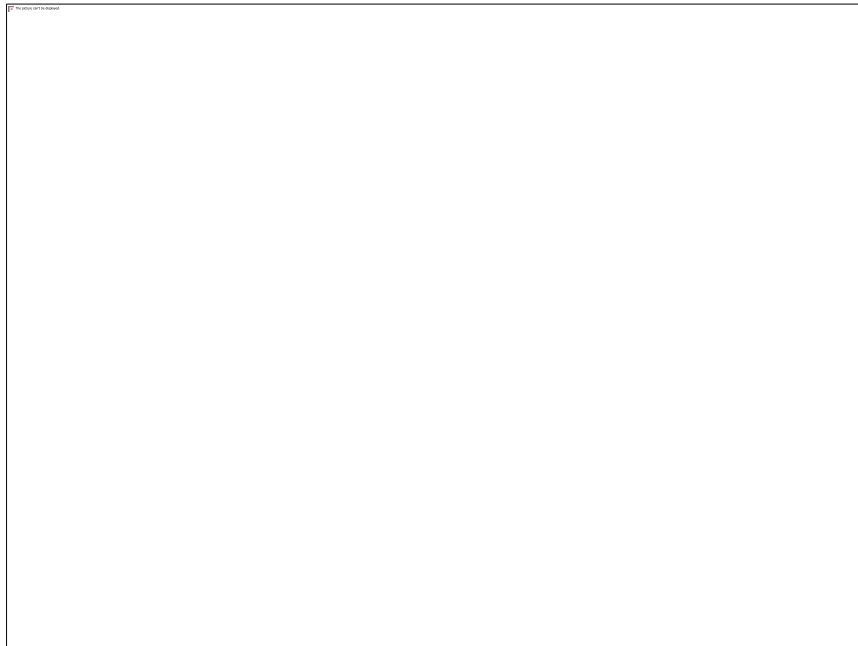
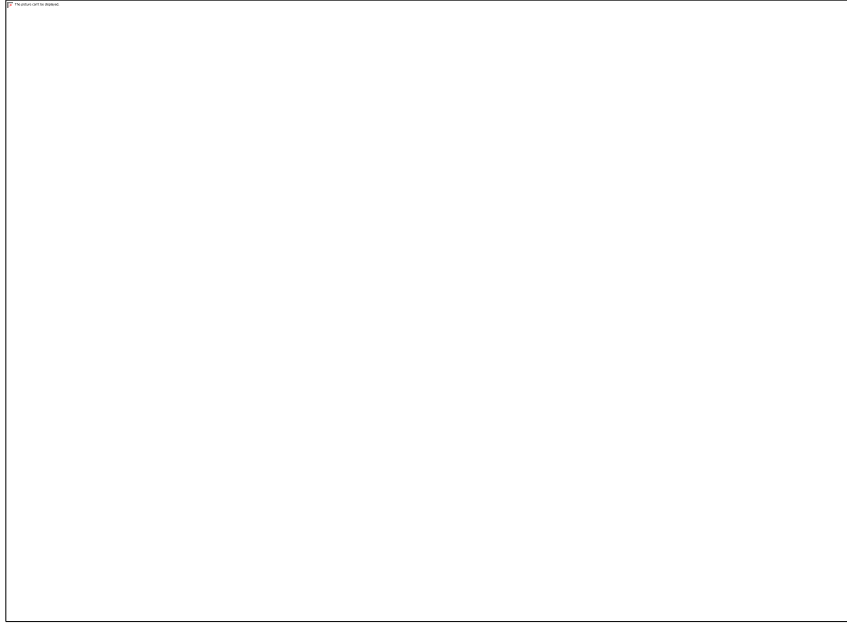
Session 4 : Counseling

An orientation session on Counseling Support was conducted for the first semester MCA students on 8th February 2023. 87 MCA students attended the program and got benefitted.

Prof. Neethu Tressa, Sr. Assistant Professor, Department of MCA, welcomed Ms. Manasa T J, Student Counselor, NHCE. She introduced the speaker to the students.

The session started with a logo identification activity that shown how we should observe the real-life environment around us. She explained the concept of counseling by pointing out the common myths and mistakes which still exist. She demonstrated through a brain activity that its perfectly fine to feel all the emotions. She even listed out the concerns the students age group people are going through. It was a new knowledge for the students that India has the higher rate of people suffering with depression just because they fail to open up and don't believe in counseling. She also briefed on how therapy or counseling help to improve the mental health and its benefits. She also directed students to select and follow few of the many different ways in improving one's mental health. She concluded with the process of counseling at our institution and the need for positive self-talk.

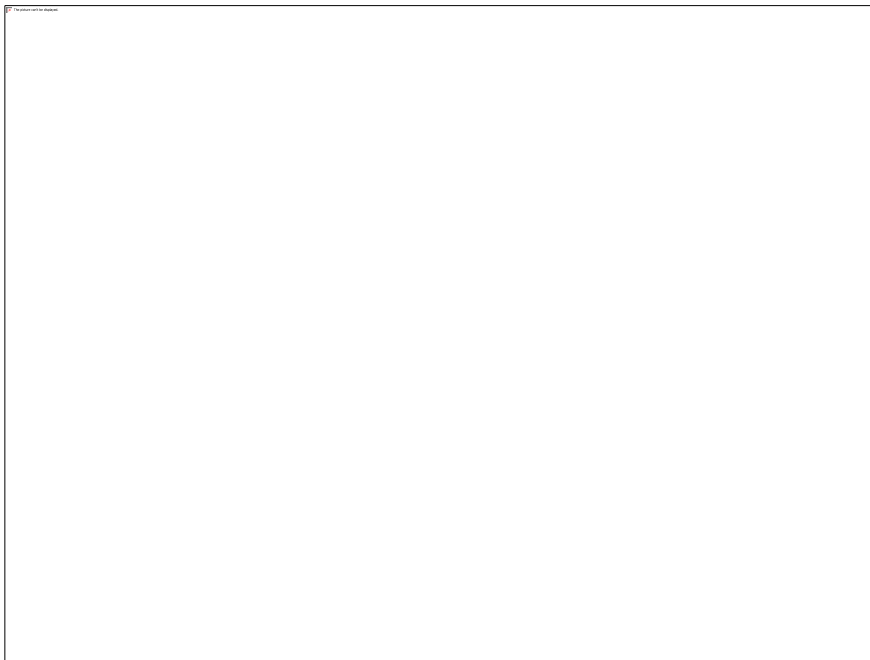
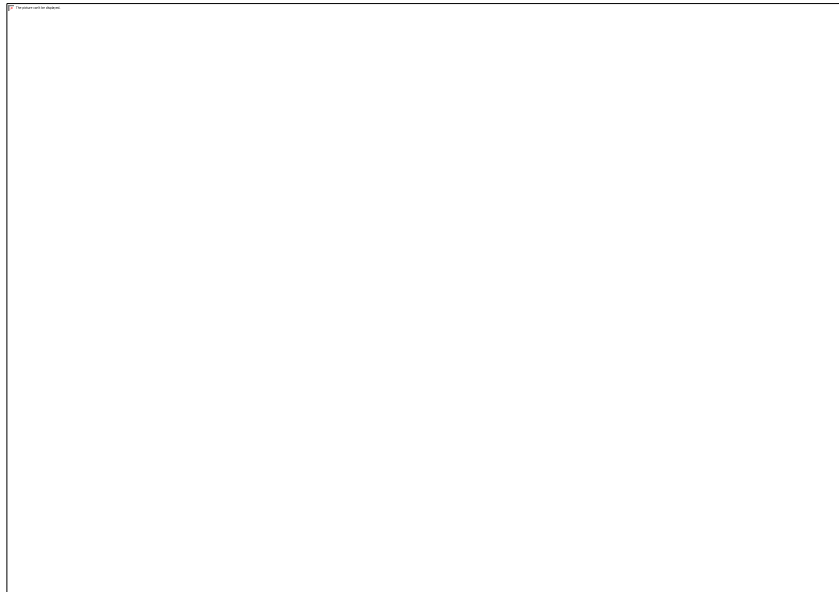
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Session 5 : Yoga

Finally the last session of the day was Yoga session carried out by Dr. Suma,

Basic Science Department.



HOD-MCA

Co-ordinators

Dr. Nirmala AP

Prof. Jincy C Mathew

Prof. Neethu Tressa Anthony