HINDUSTAN COLLEGE
(Affiliated to University of Mysore)
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J.P. Nagar, Mysuru - 570 031

Dr. K.C.G. VERGHESE
Founder Chairman
Hindustan Group of Institutions
20.06.1940 - 14.02.2006

TECHZONE

An IT Magzine - Department of Computer Science

Odd Semester 22-23

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TECHZONE RELEASE

The **5th** issue of **TechZone**, IT Magazine was released by Dr. Sushma Appaiah, Founder Director, Golz - Nutrition and diet solutions, Mysuru on **8th March 2022**.

NATIONAL SCIENCE DAY

On the occasion of National Science Day, the Department of Computer Science organized a One-Day Workshop titled **"Java Web Application Development"** on **28th February 2022**. During the first session, the resource person, **Ms. Sahana Kamath C G**, Senior Software Engineer, Ideonix Solutions, Mysuru explained the students about creating and designing web pages and linking them to form a website using HTML5 and CSS3 technologies using sublime text editor. The second session was on Basics of Java, Java Script, JDBC connectivity and Design of simple games. Ms. Sahana Kamath C G with her supportive co-ordinators (Charitha, Yashaswini, Dhanusha), Mr. Renuka Prasad, Partner and Mr. Thrinetra VR, Head of Operations and Partner helped students to get hands on experience on webtechnologies like HTML5 and CSS3 and guided them to create and design individual web pages and to link them to form a static website. This workshop was a good learning for the participants. It was an opportunity to familiarize with web technologies whilst also having the opportunity to interact with some of the best technology specialists.

NATIONAL LEVEL INTER COLLEGIATE HACKATHON COMPETITION

The Department of Computer Science, Hindustan College organized a National Level Inter Collegiate **HACKATHON** event on **23rd June 2022**. **20 teams** consisting of 40 participants from various institutions took part in the event. **Mr. Sunil Kumar N**, Software Developer, Alstom, Bangalore was invited as a Mentor for the event. **Dr. S.K. Niranjan**, Professor, Dept. of Computer Applications, JSS Science & Technology University, Mysuru, and **Mr. Manjunath B**, HoD & Assistant Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru were invited as Jury members. The event was conducted from 8.00 a.m. to 6.00 p.m. The first 8 hrs time period was given to the students for developing an application on **"Revolutionize the Shopping Experience"**. The last 2 hrs were given time to share their ideas, and present the re-implementation of an application based on the theme. The Jury members interacted with each team and evaluated based on their creativity, ideas, design, and implementation.

The following students were announced as the winners of the competition and were awarded with the cash prize.

I PRIZE: Cash Prize of Rs. 5000 with a trophy was awarded to **Preman and RG & Shrinivasa Prasada**, Lal Bahadur Arts & Science College Shimoga.

II PRIZE: Cash Prize of Rs. 3500 with a trophy was awarded to **Prajwal Rao & Nadana Pramod**, Sheshdripuram First Grade College, Mysuru.

III PRIZE: Cash Prize of Rs. 2000 with a trophy was awarded to Rishin Aiyappa AG & Mohammed Uzair, St. Joseph's First Grade College, Mysuru.

SPECIAL LECTURE ON FULL STACK DEVELOPMENT

A special lecture on **Full Stack Development** was organized by the Department of Computer Science on **18th July 2022. Mr. Kirankumar M**, HoD and Asst Professor in the Department of Computer Science, Govt. First Grade College T.N Pura was invited as a resource person. The Program commenced with a welcome speech by Ms. Sukshma R D, Asst. Professor, Dept. of Computer Science which was followed by a brief introduction of the resource person. The highlights of the session: Popular technologies for a Front end and IDEs to learn them.

Popular industry choices for backend and IDEs to excel in them. Skills needed to be a Fullstack developer. Need for a practical knowledge. Various components of Database and DevOps Full stack Developer skills breakdown.

The program was very informative and enlightening. There was a brief question-answer session in which many students got their doubts clarified. Ms. Sukshma R D, Assisted Professor coordinated the programme.

INTER COLLEGIATE HACKATHON COMPETITION

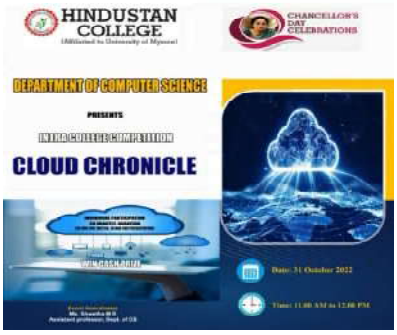
The Department of Computer Science organized a **HACKATHON** competition as a part of **Chancellor's Day Celebration** on **21st October 2022. 19 teams** consisting of 38 participants actively took part from various institutions. **Mr. Amos R**, Assistant Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru was invited as a Jury member. The event was conducted for 10 hours from 8.00 a.m. to 6.00 p.m. First 8 hrs were given time to develop an application on **"Smart Tutor"**. The last 2 hrs were alotted for presentation. The Jury member interacted with each team and evaluated based on their creativity, ideas, design and implementation. Ms. Savitha K V, Assistant Professor & Head was the coordinator for the event. The details of the winners is as follows:

I Prize: Cash Prize of Rs. 3000/- was awarded to **Premanand RG & Shrinivasa Prasada**, Lal Bahadur Arts, Science & S.B. Solabanna Shetty Commerce College, Sagar.

II Prize: Cash Prize of Rs. 2500/- was awarded to **Ishwarya K & Maithili S** - Amrita Vishwa Vidhyapeetham, Mysuru.

III Prize: Cash Prize of Rs. 2000/- was awarded to **Chithra M & Rishika B G** - Hindustan College, Mysuru.

INTRA COLLEGIATE COMPETITION CLOUD CHRONICLE



The Department of Computer Science organized an Intra Collegiate **Cloud Chronicle** Competition as a part of **Chancellor's Day Celebration** on **31st October 2022**. The event was conducted with a view to provide a platform for the students to sketch and give presentation. The following are the details of the winners of the competition.

I Prize Deepak J, III Sem BCA, Hindustan College, Mysuru.

II Prize Nisha R, V Sem BCA, Hindustan College, Mysuru.

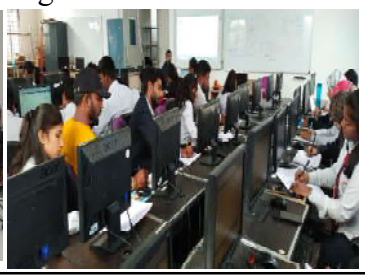
III Prize Yassen Sharif, I Sem BBA, Hindustan College, Mysuru.

Ms. Shwetha M R, Assisted Professor coordinated the event.

ONE DAY WORKSHOP ON MICROSOFT .NET FRAMEWORK

The Department of Computer Science organized a one day workshop on **Microsoft Dot Net framework** on Visual Studio on **14th December 2022** for the final year BCA students. **Mr. Sunil Kumar N**, Software Developer, Alstom, Bangalore was invited as a resource person. Among several programming languages, Dot Net is the versatile programming language which is used to develop software tools and related products compatible to various system environments. In the IT world, the Dot Net programming holds a special place in creating and deploying software tools for web and server applications. The key concept of this workshop is to exchange the knowledge & technical skills in

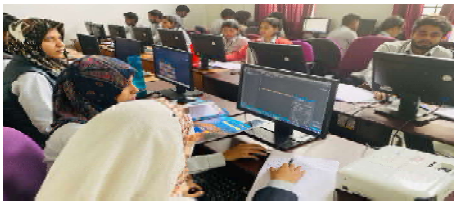
web designing & development. Ms. Shashikala R, Assistant Professor, Dept. of Computer Science initiated the program by introducing the resource person. **Mr. Sunil Kumar N** initiated with the concepts of Introduction to .NET Framework. He explained about object oriented concepts in brief and also presented a demo program for Windows application and how it can be developed, HTML, CSS, javascript, ADO.NET, Working with Database.

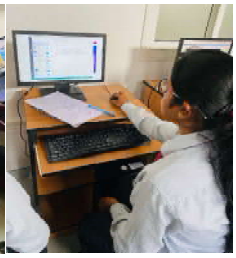


Particpants shared their views about the workshop and the participation certificate were issued by Mr. Abel Mathew Prasad, Special Officer.

ONE DAY WORKSHOP ON FRONT END DEVELOPMENT

The Department of Computer Science organized one day workshop on **Front End Development** on **26th December 2022** for the final year BCA students. The session was conducted by **Mr. Divakar T K**, Assistant Professor, Department of Computer Science, Hindustan College. In this workshop students acknowledged a knowledge of Web Technology.





In this workshop the students were introduced to topics in Web Technology. Students got an idea how to create web pages. Students realized that this workshop helped them to improve their learning. Ms. Shwetha M.R., Assistant Professor and Ms. Vinanthi, Assistant Professor helped the students in debugging. The Overall experience of participants has been shared at the end of session. And also participants shared their feedback on workshop through Google Form. Workshop Concluded with vote of thanks by Ms. Vinanthi S, coordinator of the programme.

STUDENT ACHIEVEMENTS

Poorvik, III BCA and **Jeevitha, II BCA won FIRST PRIZE** in STATE LEVEL INTER COLLEGIATE QUIZATHON COMPETITION organized by SBRR Mahajana First Grade College, Mysuru on 12/08/2022.

Mohammed Maaz, I BCA & Mohammed Usman, I BCA won THIRD PRIZE in STATE LEVEL INTER COLLEGIATE QUIZATHON COMPETITION organized by SBRR Mahajana First Grade College, Mysuru on 12/08/2022.

Jeevitha S, II BCA published a Poem titled "PRATHIBIMBA" in Vishwavani News Paper, Bengaluru on 10.08.2022.

Jeevitha S, II BCA published a poem titled "Prakruthi" in Janamiditha Newspaper, Davanagere on 27.05.2022.

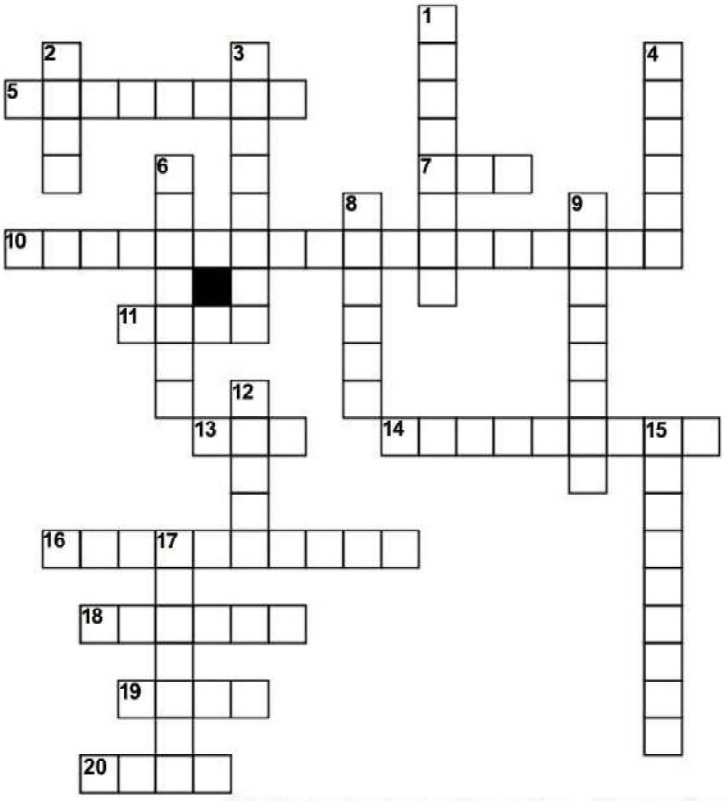
Jeevitha S, II BCA published a poem titled "Baravaseya Belaku" in Janamiditha Newspaper, Davanagere on 30.05.2022.

Harsha, II BCA & Sachin N, II BCA won THIRD PRIZE in FIND FIX FINISH COMPETITION organized by SBRR Mahajana First Grade College, Mysuru on 12/08/2022.

Jayanth & team, III BCA won SECOND PRIZE in MYSORE DISTRICT LEVEL THROW BALL TOURNAMENT PREMIER LEAGUE SEASON –I organized by Ametuar Throwball Association & Manasarowar Pushkarnai Vidyashrama, Mysuru.

Savi Dwarakinath, III BCA won THIRD PRIZE in Short STORY WRITING COMPETITION organized by Sharada Vilas College, Mysuru.

COMPUTER SCIENCE CROSS WORD PUZZLE



Across

5.Download is a term used to describe copying data from one computer to another, either over a network or modem.

7. An error in code.

10.Alternatively referred to as main memory, primary memory, or system memory.

11.An object on a computer that stores data, information, settings, or commands used with a computer program.

13.The smallest unit of data in a computer.

14.Without giving reasonable and appropriate credit to or acknowledging the author or source, of another person's original work.

16. The operating speed of a computer or its microprocessor, defined as the rate at which it performs internal operations and expressed in cycles per second.

18. The part of a computer in which data or program instructions can be stored for retrieval.

19. Information processed or stored by a computer.

20. The primary method for allowing intercommunication between humans and machines.

Down

1.Any collection of data, or information, that is specially organized for rapid search and retrieval by a computer.

2.A sequence of instructions that is continually repeated until a certain condition is reached.

3.The physical, tangible parts or components of a computer, such as the cabinet, central processing unit, monitor, keyboard, computer data storage, graphics card, sound card, speakers and motherboard.

4.Is a number system that only uses two digits 1 and 0.

6.The process of starting a computer.

8.A computer or computer program which manages access to a centralized resource or service in a network.

9.Collection of instructions that enable the user to interact with a computer, its hardware, or perform tasks.

12.Malicious software program loaded onto a user's computer without the user's knowledge and performs malicious actions.

15. A vertical or horizontal bar commonly on the far right or bottom of a window that allows you to move the window viewing area up, down, left, or right.

17.Is a directive to a computer program to perform a specific task.

Answers: 1. Database 2. Loop 3. Hardware 4. Binary 5. Download 6. Booting 7. Bug 8. Server 9. Software 10. Random access memory 11. File 12. Virus 13. Bit 14. Plagarism 15. Scroll bar 16. Clock speed 17. Command 18. Memory 19. Data 20. Code

CONGRATULATIONS TO THE STUDENTS WHO HAVE EXCELLED IN UG EXAMINATION

SEPTEMBER - OCTOBER 2022

II SEMESTER BCA

Anusha S
9.33 GPA

Girish
9.30 GPA

Sinchana P
9.13 GPA

Chithra M
9.11 GPA

Pragathi C
9.08 GPA

Divakar Gowda M N
8.85 GPA

Sharvani
8.63 GPA

Rishika B G
8.61 GPA

Jeevitha M M
8.59 GPA

Prajwal M
8.58 GPA

Mohammed Usman
8.55 GPA

Vishwas M
8.52 GPA

Basavaraj
8.41 GPA

Prashanth N R
8.39 GPA

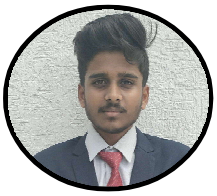
Sneha H K
8.38 GPA

Reethu Twinkle M
8.35 GPA

Harshini V
8.34 GPA

Kowshik Gowda R A
8.34 GPA

Meghana N
8.34 GPA



Jeevan H S
8.33 GPA

Shreevalsala R
8.30 GPA

Apoorva H S
8.27 GPA

Sukanya D
8.26 GPA

Mohammed Shoaib
8.24 GPA

Praveen Kumar
8.24 GPA

Kiran M
8.22 GPA

Reena Crystal M
8.01 GPA

Darshan M
7.91 GPA

Srinivas H
7.79 GPA

Mohammed Maaz
7.78 GPA

Deepak J
7.77 GPA

Sagar D
7.68 GPA

Shashank M
7.65 GPA

Apeksha M U
7.60 GPA

Vaishnavi S
7.50 GPA

Shreyas Yadav N S
7.48 GPA

Sushma M
7.40 GPA

Chandrashekar N
7.29 GPA

Ranjitha S
7.29 GPA

Ganesh
7.16 GPA

STUDENTS WHO HAVE EXCELLED IN UG EXAMINATION OCTOBER - NOVEMBER 2022

IV SEMESTER BCA

Jeevitha S
8.68 GPA

Tasmiya Banu
8.25 GPA

Sachin N
8.18 GPA

Yashaswini M J
8.18 GPA

Mallikarjuna S
8.12 GPA

Neethu M
8.06 GPA

Lara Blandina L
8.00 GPA

Soukya G
7.93 GPA

Nisha R
7.75 GPA

Sheefa
7.75 GPA

Spandana B
7.62 GPA

Navyashree M M
7.56 GPA

Pavithra M K
7.56 GPA

N Harshith Raje Urs
7.43 GPA

Shrunga S S
7.31 GPA

Swathi P
7.31 GPA

Druthu V
7.25 GPA

Sinchana J
7.12 GPA

Imranpasha M
7.00 GPA

VI SEMESTER BCA

Mohammed Hasan
9.05 GPA

Abhishek Nayak R
8.77 GPA

Shreenidhi S
8.77 GPA

G S Vishnu Urs
8.50 GPA

Bojamma N B
8.36 GPA

Tanya R
8.36 GPA

Abhishek M
8.32 GPA

Poorvik M
8.23 GPA

Harshitha N
8.14 GPA

Harshapriya S
8.09 GPA

Prajwal S B
8.09 GPA

Nithin Kumar M K
8.05 GPA

Mukesh R
8.00 GPA

Swathi H R
7.95 GPA

Savi Dwarakinath
7.91 GPA

Kavya H R
7.86 GPA

Jayanth D M
7.82 GPA

Bhoomika M
7.77 GPA