MALNAD COLLEGE OF ENGINEERING
(AN AUTONOMOUS INSTITUTION UNDER VTU, BELAGAVI)
HASSAN, KARNATAKA 573202, INDIA

Computer Science and Engineering

Newsletter: Aug- Dec 2021

- **The Malnad College of Engineering** (**MCE**) is an engineering college located in Hassan, Karnataka, India, it was established in 1960.

- The institution is affiliated with the Visvesvaraya Technological University in Belagavi.

- The college has received the Best Engineering College award by the Indian Societyfor Technical Education (ISTE) during the year 2007.

- The college is built on a campus of about 44 acres and is a technical education center. At present, the college conducts 9 B.E. programs and 5 M.Tech Programs and the MCA program and has 2750 students on its rolls.

- All programs have got NBA accreditation under Tier-I.

- The college is one amongst 19 Engineering colleges in the state qualified for the Technical Education Quality Improvement.

About the Department

The department of Computer Science & Engineering was established in the year 1983 and the department offers a Bachelor of Engineering degrees in Computer science and Engineering with an intake of 180 students. These degree programs prepare graduates for successful, profitable, and future careers in Computer Science & Engi- neering. Computer Science and Engineering students study hardware and software sys- tems through innovative classroom instructions, supported by laboratories equipped with the state of the art hardware and software. A computer science laboratory ll was set up with 60 computers and first year lab was accommodated with 70 computers. The department ensures that the students are introduced to both fundamental and advanced knowledge in areas such as Machine learning, Networking technology, computer secu- rity and software engineering, etc.

Salient Features of the department are as follows.

♦ The department has got NBA accreditation under Tier-I.

♦ The VTU has recognized the department as a research center for carrying out research work leading to M.Sc. (Engg.) by research & PhD.

♦ State of the Art Computing Facilities.

♦ ICT in Teaching and Learning.

♦ Mentoring By Industry experts for various courses wherever necessary.

♦ Research & Publications with Social Impact.

♦ Supportive Learning for Placements.

♦ Professional Development for Industrial Engagement.

♦ Alumni Expert talk will be organized on every month.

Program Educational Objectives

♦ **PEO 1:** Graduates will be efficient software developers in diverse fields and will be successful professionals and/or pursue higher studies.

♦ **PEO 2**: Graduates will be capable to adapt to new computing technology for professional excellence and Research and will be lifelong learners.

♦ **PEO 3**: Graduates will work productively exhibiting ethical qualities for the betterment of society.

♦ **PEO 4 :** Graduates will possess leader ship qualities, work harmoniously in a team with effective communication skills.

DEPARTMENT VISION

"To become a prominent department of Computer Science & Engineering producing competent professionals with research and innovation skills, inculcating moral values and societal concerns"

DEPARTMENT MISSION

♦ *Provide learning ambience to generate innovative and problem solving skills with professionalism.*

♦ *To create facilities and expertise in advanced computer technology thereby promote research.*

♦ *Enhance Industry Institute Interaction program to get acquainted with corporate culture.*

♦ *To induce ethical values and spirit of social commitment.*

The Department of Computer Science and Engineering is actively engaging in programs aimed at enhancing student development in both technical and creative aspects.

These initiatives include the AURA project expo, workshops on machine learning and cyber security, a 4-week Micro Engineering Certification Program in Core Java, and a two-day hands-on workshop on Flutter.

In addition, students are encouraged to develop their innovation skills through activities such as a debate on entrepreneurship as a career option, animpact lecture series, and panel discussions on design thinking. The depart- ment also provides exposure to mock placement and resume writing.

The faculty members of the department are contributing to the initiatives through their own publications.

The department is doing an excellent job of organizing extra-curricular activities alongside regular academics, and it is expected that this will result in a significant number of innovative ideas and entrepreneurial ventures from the students.

Dr. Geetha Kiran A
Prof. & HoD, CS&E

A NATIONAL LEVEL EVENT OF PAPER AND POSTER PRESENTATION - *"AURA"*

DEPARTMENT MISSION

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Event Title: A national level event of paper and poster presentation titled *"AURA"*

Date: October 2021

Beneficiaries: 2nd year CS&E students.

Organized by : The Department of CS&E inassociation with Computer Society of India (CSI)

Program Co-Ordinator: Dr. Geetha Kiran A, Professor and Head, CS&E MCE.

DEBATE: ENTREPRENEURSHIP OR JOB

Event Title: "DEBATE ON ENTREPRENURSHIP OR JOB"

Date: 24th August 2021.

Beneficiaries: CS&E students.

Convener : Dr. A Geetha Kiran, Professor and Head, CS&E, MCE.

Organizing Committee:

1. Impana P, Asst. professor Dept of CS&E, MCE.
2. Chandana H.M, Asst. professor Dept of CS&E, MCE.
3. Varshitha K. C, Asst. professor Dept of CS&E, MCE.

"It has become appallingly obvious that our technology has exceeded our humanity. "

- Albert Einstein

PANEL DISCUSSION ON DESIGN THINKING

"Technology is just a tool. In terms of getting the kids working together and motivating them, the teacher is the most important."
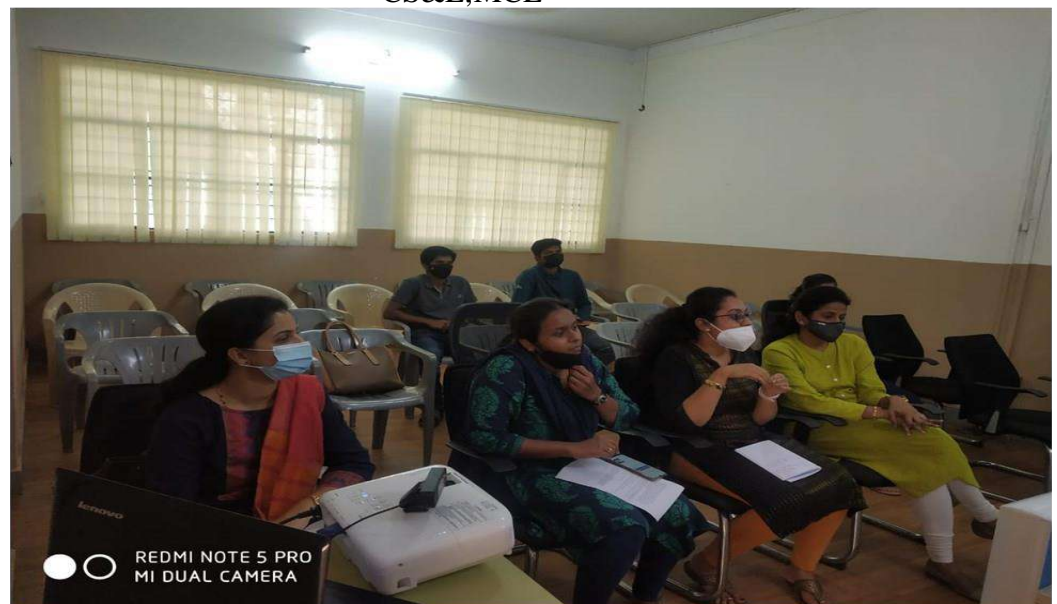
—Bill Gates

Event Title: **"PANEL DISCUSSION ON DESIGN THINKING "**

Date: 24th August 2021

Beneficiaries: Third year CS&E students

Organized by: Department of CS&E with ME-RIISE

Program Co-Ordinator: Dr. Geetha Kiran A, Professor and Head, CS&E,MCE

"Innovation Club Embarks"
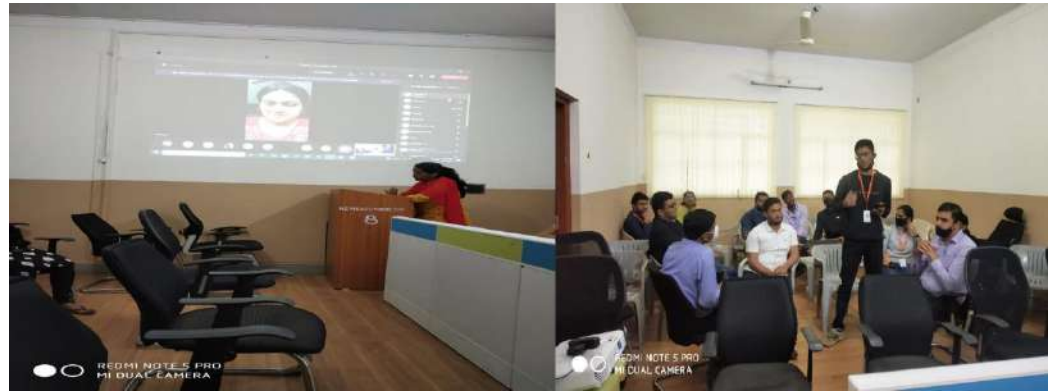
Event Title: "**Innovation club remarks**"
Date: 7thAugust 2021
Beneficiaries: Third year CS&E students
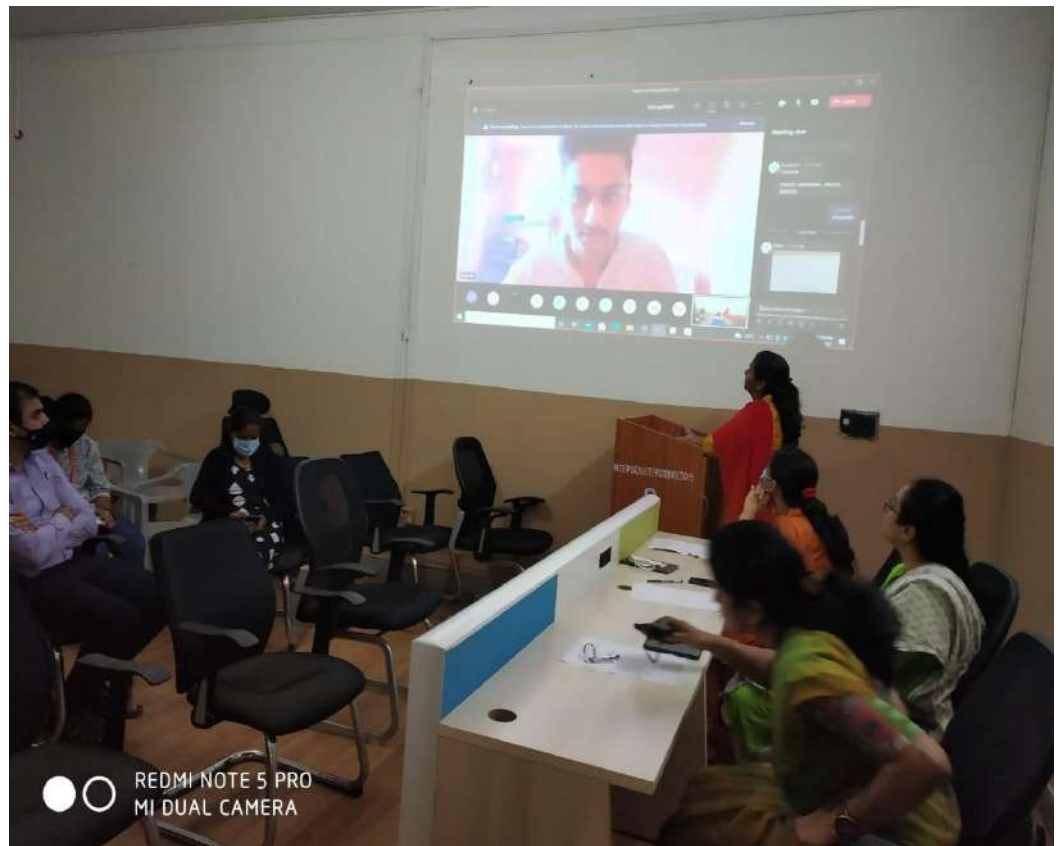**Organized by**: Department of CS&E.
Program Co-Ordinator: Dr. Geetha Kiran A,
                                            Professor and Head, CS&E, MCE

ALUMANI TALK: "MACHINE LEARNING - ROAD MAP"

- **Event Title:** An alumni talk on "**MACHINE LEARNING -ROAD MAP** "

- **Date**: 25th September 2021

- **Beneficiaries:** CS&E students

- **Resource person: Mr. Rahul Kumar Bazari,** Business Intelligence and Data Engineer AstraZeneca India Private Limited
  Tamil Nadu, India
  Alumni-2011(MCE-CS&E)

- **CHIEF PATRON: Sri Ashok Haranahalli,**
  Chairman, MTES®, Hassan

- **Program Co-Ordinator: Mr. B B Neelakantappa**,
  Associate Professor, CS&E, MCE.

About resource person:
Mr. Rahul Kumar Bazari
Education
2020: Post-Graduation Diploma-Data Science
       IIIT Bangalore
2011: B.E. – Computer Science
       Malnad College of Engineering, Hassan

PROFESSIONAL SUMMARY:
A successful BI & Data Engineer with 10 years of IT experience with rich knowledge and expertise in Business Analytics, Software Development Life Cycle & Data Engineering skills. Technical and business knowledge of Retail/ Telecom/Pharma industry, ITIL process and Lean IT. Successfully managed and supported regulatory and compliance projects. I stand out as a good team player with excellent interpersonal skills and efficient problem-solving skills.

WORKSHOP ON "CYBER SECURITY IDENTITY AND ACCESS MANAGEMENT"

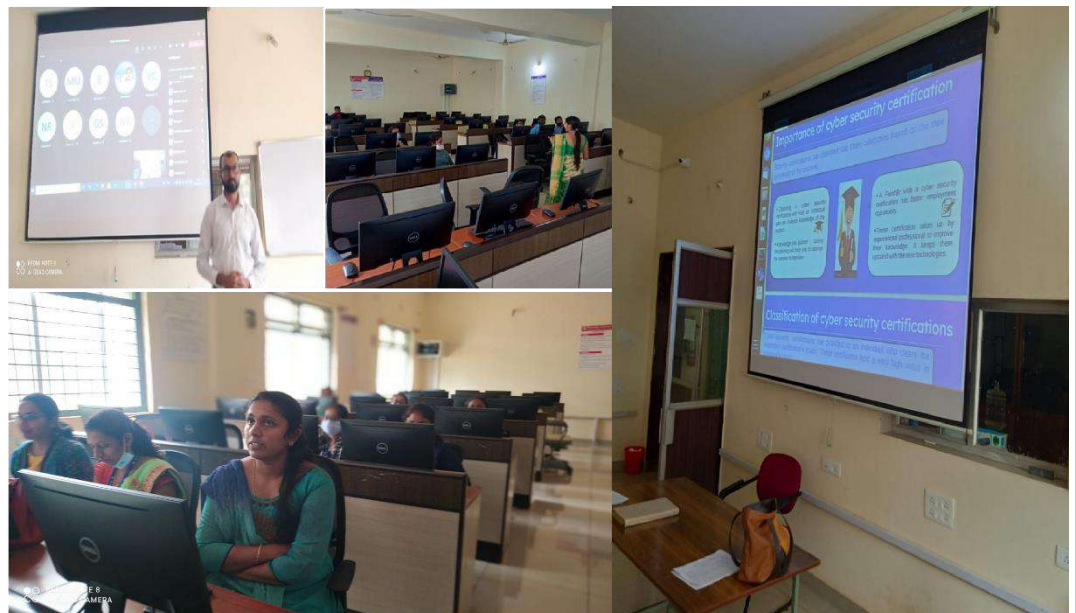- **Event Title :** **workshop on "CYBER SECURITY IDENTITY ANDACCESS MANAGEMENT"**
- **Date**: 28th September 2021
- **Beneficiaries:** Students of MCE
- **Organized by: Dept of CS&E**
- **Resource Persons:**
  - Mr. Ravi Kumar D, Assistant Professor, CS&E, MCE.
  - Mrs. Sangeetha S, Assistant Professor, CS&E, MCE.
  - Mrs. Kavya D, Assistant Professor, CS&E, MCE

MHRD EXPERT LECTURE SERIES

- **Event Title :** **"MHRD EXPERT LECTURE SERIES"**
- **Date**: 7th October 2021
- **Organized by: Dept of CS&E** in association with ME-RIISE
- **Resource Persons:**
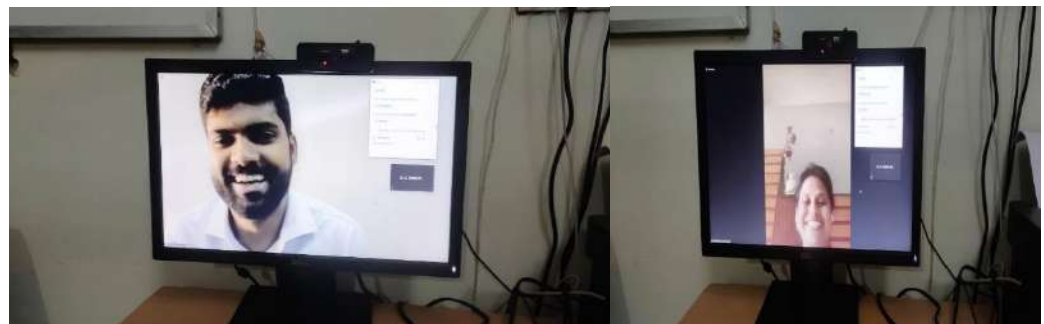
    1.Mr. Johnson Tellis

    Empowering Youth through Community Centric Education

    Topic: Designing a Business model canvas and An effective pitch

    2.Mrs. Goutham Nayak

    Programme Director at Technical Career Education

    Topic: Design Thinking

Four weeks MICRO ENGINEERING CERTIFICATION course on CORE JAVA: AN INDUSTRIAL APPROACH

Event Title : Four weeks MICRO ENGINEERING CERTIFICATIONCOURSE on CORE JAVA: AN INDUSTRIAL APPROACH

- **Date**: 22nd October 2021onwards

- **Organized by: Dept of CS&E** in association with ME-RIISE

- **Beneficiaries:** 2nd year student

- **Resource Persons:** Resource Person R.Praveen Chandra Goud

    Senior Java Consultant

- **Faculty Co-ordinators :**

    - Prof. Shobha Chandra K Assistant Professor, Dept. of CS&E.
    - Dr. Aruna Kumar S V Associate Professor, Dept. of CS&E .
    - Prof. Nivyashree R Assistant Professor, Dept. of CS&E.

RESUME WRITING AND MOCK PLACEMENT

Resume writing introducing ourselves to us and to the reader. It gives a more complete overview of our experience and qualifica-tions. This becomes very evident with the way we project the most needed keywords, eliminating what is not needed and en- hancing what will add value to our career growth. Today, the perspective towards a resume has changed. Companies, today look for Resumes, CVs and Profiles, depending on the seniority that they are hiring for. You need a consultant to suggest and advise the right approach.

♦ **Event Title : Alumni talk on RESUME WRITING AND MOCKPLACEMENT**

♦ **Date**: 04th December 2021

♦ **Organized by: Dept of CS&E**

♦ **Program Co-Ordinator: Mr. B B Neelakantappa**, Associate Professor, CS&E, MCE

♦ **Beneficiaries:** 2nd year students.

♦ **Resource persons: Ms. Usha D T, Alumni-2011 (MCE-CS&E)**

Two days Hands-on workshop on *AWAKE FLUTTER*

♦ **Event Title : "Two days Hands-on workshop on AWAKE FLUTTERBOOTSTRAP"**

♦ **Date**: 27th & 28th November 2021

♦ **Organized by: Dept of CS&E**

♦ **Beneficiaries:** 2nd year student

♦ **Faculty Co-Ordinator: Dr. A. Geetha Kiran,**

Professor & HOD dept of CS&E.

Faculty Publications

- **Dr. Geetha Kiran A**, **"Yield estimation in mango orchards using machine vision",** AIP Conference Proceedings, 2021.

- **Dr. Chandrika J, "A Novel Machine Learning based Hybrid Model for Web shell Detection",** International Journal for Research in Applied Science and Engineering Technology , 2021.

- **Dr. Chandrika J, "Prediction of Liver Disease using Regression Tree ",** International Association of Online Engineering , 2021.

- **Mr. Shashidhara H V , "Air Quality Monitoring System Based On IOT using Raspberry PI",** International Journal of Innovative Research in Computer and Communication Engineering, 2021.

- **Mr. Shashidhara H V , "Smoke person detection ",** International Journal Innovative Research , 2021.

- **Mrs. Nithyashree R, "Gas Sensing Robotic Device usingwifi",** International Journal of Innovative Research in Com-puter and Communication Engineering , 2021.

- **Mrs. Shobha Chandra , "Autism spectrum disorder screening: prediction with machine learning models",** International journal of creative research thoughts, 2021.

- **Mrs. Harshitha S, "Eye Tracking System for Password Authentication using Haar Cascade Classifier ",** International Journal of Engineering Science And Computing , 2021.

- **Ehsan Yaghoubi, S. V. Aruna Kumar, Hugo Proenca , "SSS-PR:A Short Survey of Surveys in Person Re-identification",** International Pattern Recognition Letters (Elsevier) , 2021.

BOOK CHAPTER PUBLICATION

- **Mr. Sumanth C M, Dr. Suresha D,** **"Confidence Analysis of a Solo Sign-On Device for Distributed Computer Networks: A Modelling Approach" ,** Recent Advances in Mathematical Research and Computer Science, Vol. 5, B P International, 2021.

PATENT PUBLISHED

- **Dr. A.NARASIMA VENKATESH**, **Dr. HEMANT B. MA-HAJAN, Dr. N.RAJKUMAR, Dr. C.VIJI, Mr. SUMANTH C M, etc** , **"IOT BASED SMART BIN MONITORING SYSTEM FOR SMART CITIES",** 2021
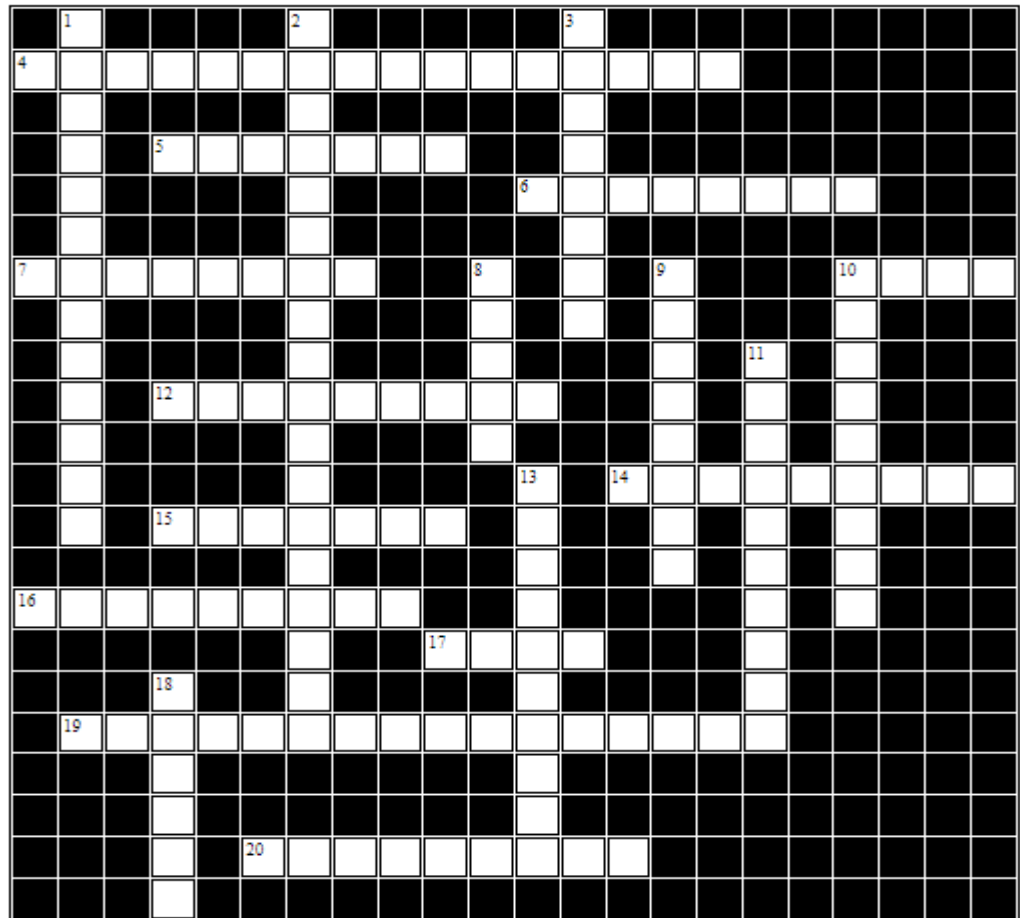
PLACEMENTS

Company Name	Number of Students Placed
Mercedes Benz	7
Accenture	26
Coditas	1
Capgemini	13
MC	2
Wipro	24
One Trust	11
Spurtree	12
HealthAsyst	1
TCS	20
Destination	2
Global Logic	7

Computer Science crossword puzzle

Across

4. Is the study of computers, computing, programing, and com-putation with computer systems.
5. an electronic visual display for computers
6. the programs that help the computer run
7. An electronic device
10. To update a document that has always been saved as
12. is a layout software
14. a printed version on paper
15. when you save document for the first time giving it a name
16. Operation of a computer
17. a program used for typing documents
19. An application developed by Microsoft that was made by billgates
20. sequence of steps taken to solve a problem

Down

1.   sdf and jkl; where your hands should be when typing
2.   devices that connect to a computer in order for us to get input and output (keyboard, printer, monitor)a panel of keys that operate a computer
8.   Software used for a spreadsheet
9.   physical components that make up a computer system
10.   typed but not printed yet and you can see it on the computermonitor
11.   device used to permanently restore and receive information
13.   A presentation you can use for school or businesses.
18.   Database software

Scan the QR code to solve puzzle online