CSE

NEWSLETTER

COMPUTER SCIENCE ENGINEERING

VISION

CREATING ETHICAL LEADERS

THROUGH QUALITY

PROFESSIONAL EDUCATION WITH EMPHASIS ON

HOLISTIC EXCELLENCE

MISSION

- TO EMERGE AS AN INSTITUTION PAR EXCELENCE OF GLOBAL STANDARDS BY IMPARTING QUALITY ENGINEERING AND OTHER PROFESSIONAL PROGRAMMES WITH STATE-OF- THE-ART FACILITIES.

- TO EQUIP THE STUDENTS WITH APPROPRIATE SKILLS FOR A MEANINGFUL CAREER IN THE GLOBAL SCENARIO.

- TO INCULCATE ETHICAL VALUES AMONG STUDENTS AND IGNITE THEIR PASSION FOR HOLISTIC EXCELLENCE THROUGH SOCIAL INITIATIVES.

- TO PARTICIPATE IN THE DEVELOPMENT OF SOCIETY THROUGH TECHNOLOGY INCUBATION, ENTREPRENEURSHIP AND INDUSTRY INTERACTION.

CORE VALUES

FAITH IN GOD AND MAN

LOVE OF FELLOW BEINGS

BELIEF IN UNIVERSAL CITIZENSHIP

MORAL INTEGRITY

SOCIAL COMMITMENT.

DEPARTMENT VISION

CREATING ETHICAL LEADERS IN THE DOMAIN OF COMPUTATIONAL SCIENCES THROUGH QUALITY PROFESSIONAL EDUCATION WITH A FOCUS ON HOLISTIC LEARNING AND EXCELLENCE

DEPARTMENT MISSION

- TO CREATE TECHNICALLY COMPETENT AND ETHICALLY CONSCIOUS GRADUATES IN THE FIELD OF COMPUTER SCIENCE AND ENGINEERING BY ENCOURAGING HOLISTIC LEARNING AND EXCELLENCE.

- TO PREPARE STUDENTS FOR CAREERS IN INDUSTRY, ACADEMIA AND THE GOVERNMENT.

- TO INSTILL ENTREPRENEURIAL ORIENTATION AND RESEARCH MOTIVATION AMONG THE STUDENTS OF THE DEPARTMENT.

- TO EMERGE AS A LEADER IN EDUCATION IN THE REGION BY ENCOURAGING TEACHING, LEARNING, INDUSTRY AND SOCIETAL CONNECT.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

1. THE GRADUATES SHALL HAVE SOUND KNOWLEDGE OF MATHEMATICS, SCIENCE, ENGINEERING AND MANAGEMENT TO BE ABLE TO OFFER PRACTICAL SOFTWARE AND HARDWARE SOLUTIONS FOR THE PROBLEMS OF INDUSTRY AND SOCIETY AT LARGE.

2. THE GRADUATES SHALL BE ABLE TO ESTABLISH THEMSELVES AS PRACTICING PROFESSIONALS, RESEARCHERS OR ENTREPRENEURS IN COMPUTER SCIENCE OR ALLIED AREAS AND SHALL ALSO BE ABLE TO PURSUE HIGHER EDUCATION IN REPUTED INSTITUTES.

3. THE GRADUATES SHALL BE ABLE TO COMMUNICATE EFFECTIVELY AND WORK IN MULTIDISCIPLINARY TEAMS WITH TEAM SPIRIT DEMONSTRATING VALUE DRIVEN AND ETHICAL LEADERSHIP.

PROGRAMME OUTCOMES

STUDENTS IN THE PROGRAMME AT THE TIME OF THEIR GRADUATION ARE EXPECTED TO POSSESS THE FOLLOWING CAPABILITIES :

1. ABILITY TO APPLY THE KNOWLEDGE OF MATHEMATICS, SCIENCE, ENGINEERING FUNDAMENTALS, AND AN ENGINEERING SPECIALIZATION TO THE SOLUTION OF COMPLEX ENGINEERING PROBLEMS.

2. ABILITY TO IDENTIFY, FORMULATE, REVIEW RESEARCH LITERATURE, AND ANALYZE COMPLEX ENGINEERING PROBLEMS REACHING SUBSTANTIATED CONCLUSIONS USING FIRST PRINCIPLES OF MATHEMATICS, NATURAL SCIENCES, AND ENGINEERING SCIENCES.

3. ABILITY TO DESIGN SOLUTIONS FOR COMPLEX ENGINEERING PROBLEMS AND DESIGN SYSTEM COMPONENTS OR PROCESSES THAT MEET THE SPECIFIED NEEDS WITH APPROPRIATE CONSIDERATION FOR THE PUBLIC HEALTH AND SAFETY, AND THE CULTURAL, SOCIETAL, AND ENVIRONMENTAL CONSIDERATIONS.

4. ABILITY TO USE RESEARCH-BASED KNOWLEDGE AND RESEARCH METHODS INCLUDING DESIGN OF EXPERIMENTS, ANALYSIS AND INTERPRETATION OF DATA, AND SYNTHESIS OF THE INFORMATION TO PROVIDE VALID CONCLUSIONS.

5. ABILITY TO CREATE, SELECT, AND APPLY APPROPRIATE TECHNIQUES, RESOURCES, AND MODERN ENGINEERING AND IT TOOLS INCLUDING PREDICTION AND MODELING TO COMPLEX ENGINEERING ACTIVITIES WITH AN UNDERSTANDING OF THE LIMITATIONS.

6. ABILITY TO APPLY REASONING INFORMED BY THE CONTEXTUAL KNOWLEDGE TO ASSESS SOCIETAL, HEALTH, SAFETY, LEGAL AND CULTURAL ISSUES AND THE CONSEQUENT RESPONSIBILITIES RELEVANT TO THE PROFESSIONAL ENGINEERING PRACTICE.

7. ABILITY TO UNDERSTAND THE IMPACT OF THE PROFESSIONAL ENGINEERING SOLUTIONS IN SOCIETAL AND ENVIRONMENTAL CONTEXTS, AND DEMONSTRATE THE KNOWLEDGE OF, AND NEED FOR SUSTAINABLE DEVELOPMENT.

8. ABILITY TO APPLY ETHICAL PRINCIPLES AND COMMIT TO PROFESSIONAL ETHICS AND RESPONSIBILITIES AND NORMS OF THE ENGINEERING PRACTICE.

9. ABILITY TO FUNCTION EFFECTIVELY AS AN INDIVIDUAL, AND AS A MEMBER OR LEADER IN DIVERSE TEAMS, AND IN MULTIDISCLINARY SETTINGS

10. ABILITY TO RECOGNIZE THE NEED FOR, AND HAVE THE PREPARATION AND ABILITY TO ENGAGE IN INDEPENDENT AND LIFE-LONG LEARNING IN THE BROADEST CONTEXT OF TECHNOLOGICAL CHANGE.
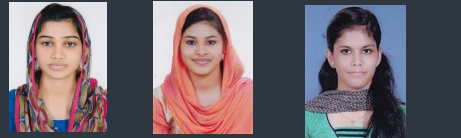
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12. Ability to demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

13. Ability to recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

DEPARTMENT ACHIEVEMENTS

1. CESA organized a webinar on "Industrial Artificial Intelligence" by Mr.Mathew Joseph, Vice President of Apar Technologies Pvt. Ltd, Head of

Artificial Intelligence Labs, CIMB Bank on June 23,2020. Computer Science & Engineering and CESA (Computer Engineering Students Association) in association with IE(I) Student chapter conducted a technical talk on "The What, Why and How of Cyber Security" on 19th February 2020 by Mr.Siddharth Muralee (Team Lead, teambi0s).

2. In connection with the Annual Tech fest of our college THARANG 2020,

IE(I) & CESA jointly organized a webinar on "Introduction to Microservices" by Ms.Malini K Bhaskaran, Senior Software Development Engineer,Intel corporation ,Santa Clara, California on June,30,2020

STUDENTS ACHIEVEMENTS

1. Teena Joy, Nair Anjali Valsalan (S6 CSE) got selected for Microsoft Azure ML Scholarship 2020 provided by Udacity.

TEENA JOY P J
25-01-2017

2. Harikrishnan K R, Anand Murali, Kokul Jose, Aloysius Leslie Jacob, Aparna Arvind, Amitha Issac of S8 CSE won 3rd position in State level Hackathon conducted at Naipunya School Of Management Cherthala under the guidance

Tech Bytes

5G is the 5th generation mobile network. It is a new global wireless standard after 1G, 2G, 3G, and 4G networks. 5G enables a new kind of network that is designed to connect virtually everyone and everything together including machines, objects, and devices.

UNIVERSITY RESULT TOPPERS

1. In S7 university exams, CSE A toppers are Jerin Reji (8.64), Arya P Menon (8.48), Archana Venugopal (8.34) & Jisna Joby(8.34).

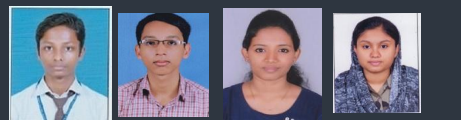2. From S7 B, toppers are Nitha Hyrin (8.39), Rinsy R (8.32), Rohini K R(8.23).

3. From S5 CSE A toppers are Amala K S (8.78), Dhanya R (8.74), Divya Peter (8.39).

4. Toppers from S5 CSE B are Niva Dileep (9.11), Muhammed Raneesh C M (8.74), Maneesh Manoj(8.7).

5. In CSE A, S3 university result toppers are G Ramgopal (8.98),Amal Sebastian(8.79), Helna Thomas (8.17) S3 CSE B toppers are Shafna(9.4), Vani Prakashan (9.21),Jissy Joy(9.08).

6. In CSE A, S1 university result toppers are Aiswarya K (9.65),Anurag N Nair (9.24) & Fincy Shafi(9.24),Aleena Lorance (9.18). From Cse B, Toppers Are Shelna George(9.5) Mridhula K P(8.76) & Rohith T (8.76), Vaisakh V C (8.56).

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3. Joseph Joel C P, Rashi M, Sree rag R Nandan, Maneesh Manoj participated in Google AI Explore ML Mentorship Bootcamp held at Hyderabad.

4. Amal Tom, Maneesh Manoj, Sree rag R Nandan, Nair Anjali Valsalan, Abhijith V, Sangeetha P under the guidance of Mr.Anil Antony won first position in Reboot Kerala Hackathon 2020 held at Govt. Poly-technic College, Periya Kasargod.


5. Ms.Amala K. S., Ms.Anjali Anne Prathap, Ms.Sangeetha P , Ms.Sar anya K, Ms.Teena Joy P J of S6 CSE are awarded the student schol-arship to attend the Grace Hopper Celebration of Women in Comput-ing India(GHCI)20 Conference.

TEENA JOY P J
25-01-2017

6. Irfana M I, Elsa Rose, Blesmi Rose Joseph with their project "PESTICLEAR" got selected for YIP 2020 under the guide ship of Mr. Fepslin Athish Mon
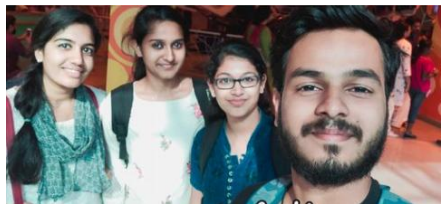
7. Shijith, Sherin, Sheena, Anjana of S8 CSE won the best paper award in ABA-Con'20 Virtual Conference on Innova-tions in computing at sahrdaya College of Engg. & Tech on June 22,2020

PAPER PUBLICATIONS

1. N Rahul, Roy Eluvathingal, Sanith Jaya n K, Mr. Anil Antony," Diabetic Retinopathy Detection using Neural Networking", Interna-tional Journal of Trend in Scientific Research and Development (IJTSRD) Volume 4 Issue 4, June 2020

2. Tenwin James K, Varun Vincent, Lino Louis, Vishnuraj T, Aneesh Chandran, "Review of Software to Analyse the Physical Conditions of the Athletes using sEMG", Inter-national Journal of Trend in Scientific Re-search and Development (IJTSRD) Volume 4 Issue 4, June 2020

Tech Bytes

Robotic Process Automation (RPA) is simple—and powerful— automation software enabling you to create your own oftware robots to automate any business process.
Robo Robotics Process Automa-tion(RPA) allows organizations to automate task just like a human being was doing them across application and systems.

3. Joshua Shaji, Antony David, Divya Ste phen, Amitha Isac, Fepslin Athish Mon S, " Library Management Sys-tem", in International Journal Of trend in Scientific research and Develop-ment, Volume 4 Issue 4, June 2020.

4. Parvathy Mohanakrishnan, Reshma P. G., Shabana Asmi K S, Assistant Professor Aswathy Wilson, "Blind-Assist", International Journal of Scien-tific Research & Engineering Trends Volume 6, Issue 2, Mar-Apr-2020.

5. Sreelakshmi V G, Meera P M, Senna Mariya Pius, Mathews Jose, Swapna B Sasi, "KYC using Block-chain", International Journal of Trend in Scientific Research and Develop-ment (IJTSRD) Volume 4 Issue 4, June 2020.

6. Arya P Menon,, Abin Varghese,, Joel P Joseph, Jofiya Sajan, Ninu Francis," Performance Analysis of dif-ferent Classifiers for Earthquake pre-diction: PACE" INTERNATIONAL JOURNAL OF INNOVATIVE RE-SEARCH IN TECHNOLOGY, IJIRT | Volume 7 Issue 2.

7. Reshma Ramesan k, Flower Mariya Varghese, Sneja N Joshy, Ano Joseph, Bineesh M,"LBA Us-ing Blockchain",International Jour-nal of Trend in Scientific Research and Development (IJTSRD) Vol-ume 4 Issue 4, June 2020 .

8. Augustin Vembil, Ayisha Abdul Ravoof, Anagha Merin Sen, "Virtual Therapy using Amazon's Alexa", International Journal of Advances in Computer Science and Technology.