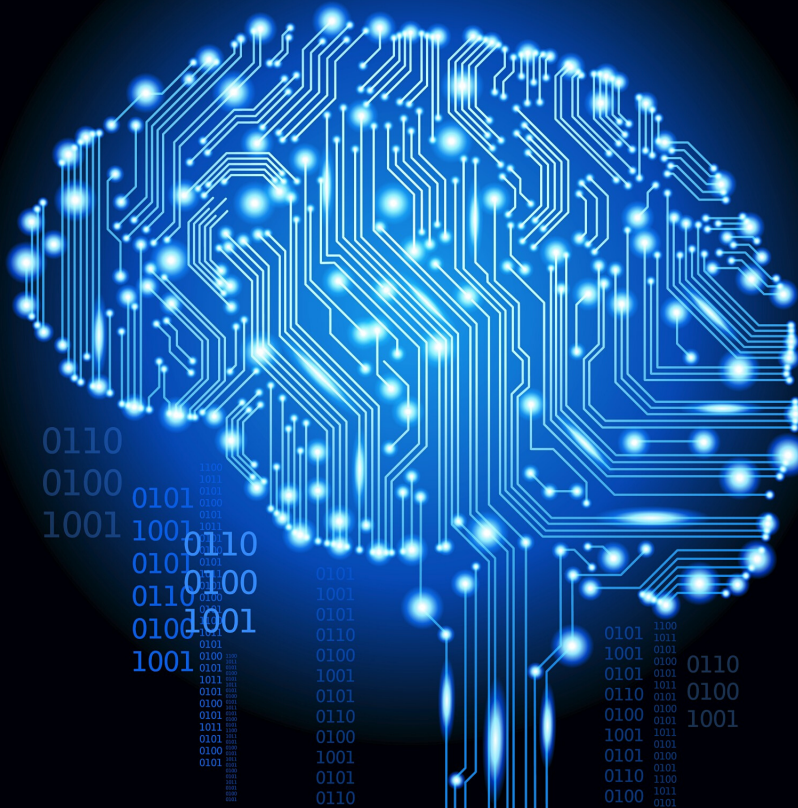


ASCII NEWSLETTER

JULY - SEPTEMBER
2019



ZEAL

Editors:
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Roopa Vidhya

CONTENTS

03 A QUICK GLIMPSE

Skim through all the events held by ASCII during the period of July to September 2020 backed with visual memories

05 THE TEAM

Meet the team behind everything that happens at ASCII.

06 EVOLUTION OF PHOTOGRAPHY

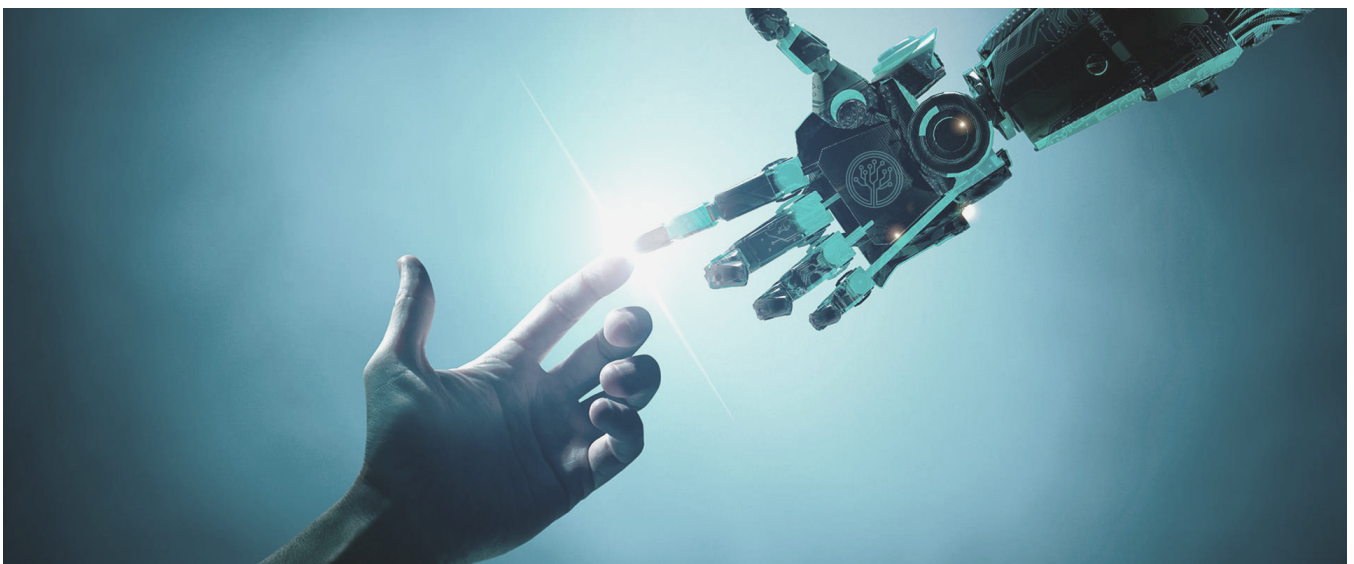
Our photos tell tales about us and our memories. Have you ever wondered their tales?

07 CREATIVITY SPLASH

Expression par excellence. View different perspectives and expand perceptions of the world around you.

ABOUT ZEAL

Hello everyone, ASCII newsletter is back with a completely new look this year. Presenting to you: ZEAL, a platform open to anyone for showcasing literally anything. Did you read something about a innovative technology that blew your mind or you were sitting one day and something funny just popped in your head? Well, you can share it all. From educating to entertaining, it can be anything.



DEPARTMENT OF COMPUTER SCIENCE

VISION

To be acclaimed internationally for excellence in teaching and research in Computer Science & Engineering, and in fostering a culture of creativity and innovation to responsibly harness state-of-the-art technologies for societal needs.

MISSION

Mission 1: To assist students in developing a strong foundation in Computer Science and Engineering by providing analytical, computational thinking and problem solving skills.

Mission 2: To inculcate entrepreneurial skills to develop solutions and products for interdisciplinary problems by cultivating curiosity, team spirit and spirit of innovation.

Mission 3: To provide opportunities for students to acquire knowledge of state-of-the-art in Computer Science and Engineering through industry internships, collaborative projects, and global exchange programmes with Institutions of international repute.

Mission 4: To develop life-long learning, ethics, moral values and spirit of service so as to contribute to the society through technology.

Mission 5: To be a premier research-intensive department by providing a stimulating environment for knowledge discovery and creation.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

The Computer Science & Engineering Program graduates will

PEO1: Strive on a global platform to pursue their professional career in Computer Science and Engineering.

PEO2: Contribute to product development as entrepreneurs in inter disciplinary fields of engineering and technology.

PEO3: Demonstrate high regard for professionalism, integrity and respect values in diverse culture, and have a concern for society and environment.

PROGRAMME OUTCOMES (PO'S) AND PROGRAMME SPECIFIC OUTCOMES (PSO'S)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design and development of solutions: 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.

PO4: Conduct investigations of complex problems: 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.

PO5: Modern tool usage: 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.

PO6: The engineer and society: 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.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: 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.

PO12: Life-long learning: 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.

PSO1: Adopt Standard Practices: Ability to design and engineer, innovative, optimal and elegant computing solutions to interdisciplinary problems using standard practices, tools and technologies.

PSO2: Research and Innovation: Ability to learn emerging computing paradigms for research and innovation

A QUICK GLIMPSE JULY - SEPTEMBER 2020

The Java Frappe- 2nd July 2019, AB2 IT Lab 4.

A kick-start to the concepts of Object Oriented Programming brewed with the basics of Java.

Tech Quiz - 25th July 2019, AB3, A203.

A knowledge-booster to test your grounds in the tech world ranging over a variety of topics.

ASCII Induction 2019 - 5th August 2019, Amriteshwari Hall.

The grand introduction to the ASCII club with enriching speeches on various tech domains, tips to participate in hackathons and tons of encouragement with a dash of lovely music.

AI Smart Hackathon - 16th August to 07th September 2019, AB3

A full fledged end to end hackathon that was open to all the students of Amrita School of Engineering, Coimbatore.

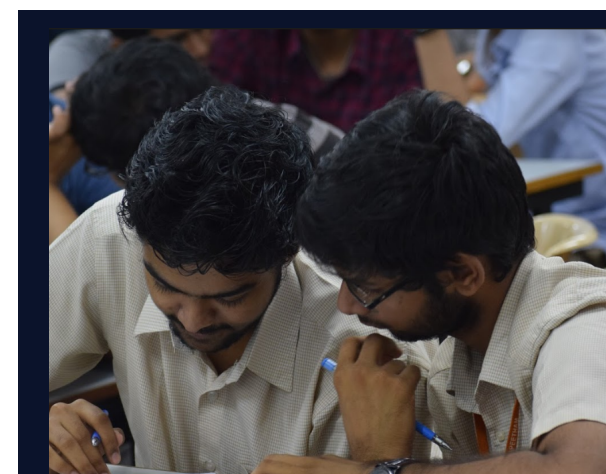
CTF Workshop - 23rd and 24th September 2019, AB2 IT Lab2.

A total hands-on experience in the world of cyber security with introduction to highly useful penetration and testing tools.

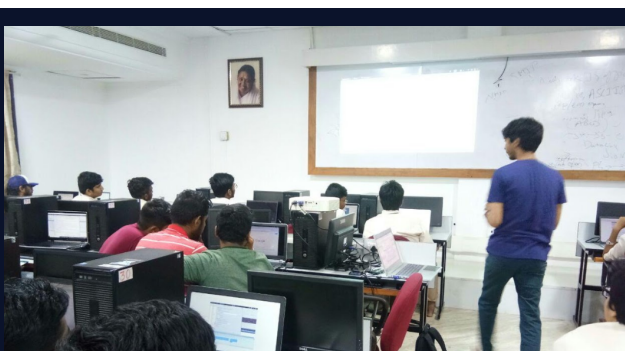
A QUICK GLIMPSE JULY - SEPTEMBER 2020



The Java Frappe, 2nd July 2019



Tech Quiz, 25th July 2019



CTF Workshop, 23rd and 24th September 2019

THE TEAM

ASCII OFFICE BEARERS 2020

Dr D Venkatraman Ms T Bagyammal Ms Archana R
Faculty Coordinators

Balaji Barathwaj M
 ASCII Chair 2019-2020

Nithish K
 ASCII Co-Chair
 2019-2020

Shrinidhi L
 ASCII Co-Chair
 2019-2020

EXECUTIVE MEMBERS

Balaji Bharatwaj M

Nithesh K

Shrinidhi L

Sharmila S

Mohith M

Akaash B

Ramyapriyanandini G

Kanimozhi N R

Nelluri Priyanka

Vedanth Padigelwar

Jyothi Vaidyanathan

Kishore R

Keerthanaa K

Soundaryaa PL

Chakradhar Grandhi

Pawan Katakam

Saiharsha B

Athisha R.K.

Apoorva Sritha Reddy P

T Sai Chandra Mouli

Raguraman T B

Sai Priyadarshini M

Swetha

Rohan Soneja

Sideeshwaran L B

Parvathi Biju

Adithi Narayan

Ganesh U

Vaibhav krishna

Maruthi J

Abisheck Kathirvel

Roopa Vidhya G

Sandhya

Sandhya S



EVOLUTION OF PHOTOGRAPHY

R PRANAV AJAY

In the rathe of the world, we have seen a lot has changed but one field that has had immense penetration into the society in a potent way is Photography. It has transformed from being a mere profession to becoming the passion for millions of people worldwide. This is due to various reasons like the increase in the availability and affordability of resources for Budding Photographers, rise of new technology, the advent of social media and the most influential one being the advancement in the equipment used. Thus, now everyone of us can become great photographers. Briefly, the new gadgets can essentially be classified as Smart Phones, Digital Camera, Action Camera, etc. The differentiating factor between these and the traditional DSLRs lie only in terms of two things, Compactness and the Technology used. The main picture remains the same, it's the photographer who is in charge of taking resplendent depictions of the world. This remains constant as photography is an intuitive work that portrays the best out of a scene. Modern devices may have fancy computation tricks to undermine human efforts but Creativity can't be mimicked by Machines. These advancements gave us an amazing platform to express ourselves. This is further complemented with the emergence of Tutorials, Online Courses, Competitions and Initiatives that promote photography in a widespread manner.

But, the basics for getting the best out of your gear have always been the golden rules that are practiced by photographers around the world. First, comes the Perspective or Instinctive Overview which helps to see things profoundly. Next is the mastering of the Exposure triangle which is ISO, Aperture and Shutter Speed. This helps in preventing the wastage of resources in post-processing that is required to optimize the final image/video. Then comes Compositional tricks which help in having optimal coverage of the main subject with the Background and Foreground and Midground. At last, it is the part of choosing the types of scenes that you would love to get involved in and this has no bounds. But above all, we have to practice to be better in this art and there is no substitute for this!

Some of the buzzing innovative topics that are currently ongoing in the field of Photography are Mirror-Less Camera replacing the traditional DSLRs, AR and VR integrated for better Video Experience, Better Telephoto module for Smartphones, Under-Display Camera Modules, Pixel Binning, XDA GCam Mods, Xiaomi's Portrait Algorithm (Edge detection), 8K -60FPS native video capture in Smartphones and much more coming as we keep speaking of. On a whole, Photography has evolved to something that gives happiness to millions of people, and time has much in store for this...

CREATIVITY SPLASH

TO EVERY MOTHER

AISHWARYA BABU

To the mother of three. Shuttling between work and home, struggling to make ends meet. She goes to sleep on an empty stomach often, but sleeps with a full heart knowing her children are fed. Her hands are scarred, her clothes torn. But her smile when she kisses her children good night is enough to light up a thousand stars.

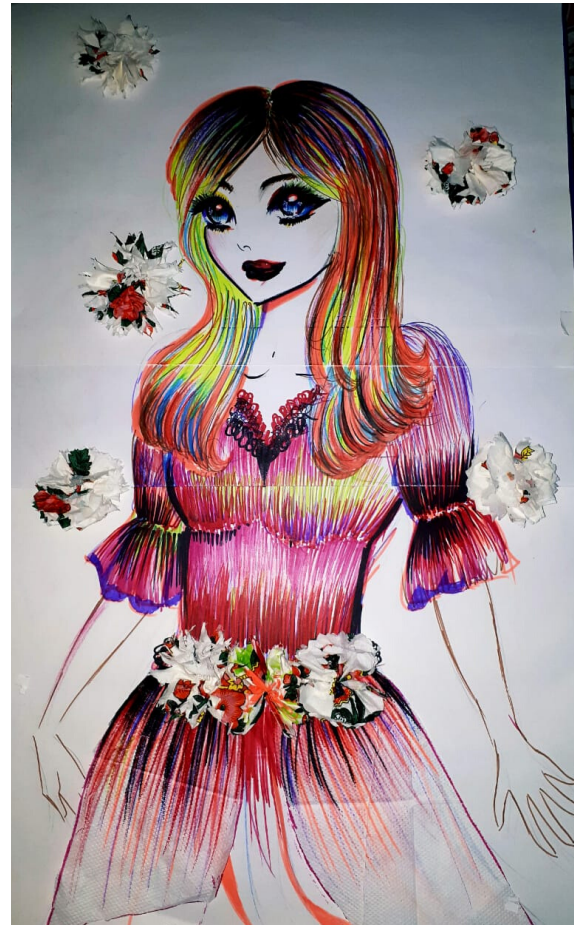
To the mother who knows not of her husband. Her thoughts constant of him, her eyes searching his face in every crowd. He left, five years ago yet his presence still remains. Day, she cooks for seven homes including her own. Night, she cooks up stories for her kids about their father.

To the mother who is not the mother of her kids. She notices the subtle remarks and comments. She notices the way her kids behave differently around her. But they don't notice the extra effort she puts into making dinner every night - making their favorites. They don't notice how she watches the same TV shows they do, just to make conversation.

To the new mom on the block. Her baby cries endlessly while she tries her best to calm him. Her efforts are futile. She ends up crying instead. Sleep deprived, weak and uncertain about her career, she struggles with motherhood. She cries herself to sleep just like her kid. Yet, every morning, when she wakes up to his cry, she wakes up with a smile.

Every mother is a blessing to this world. Some are fortunate enough to get this blessing, some aren't. So, if you're one of the fortunate, let your mother know that she is a blessing. Flowers, gifts and material things apart, a hug or a kiss would go a long way in making her day. Happy Mother's Day to all the moms out there.

This one's for you maa. I love you!



SMITHA

