SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT

ADYAR, MANGALURU – 575006

ASSOCIATION FOR COMPUTING MACHINERY

SAHYADRI CHAPTER

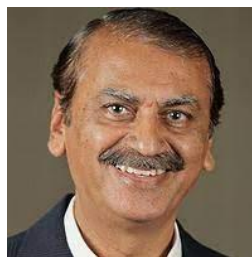## ADYAR, MANGALURU -575006

REPORT ON

EVENTS ORGANIZED BY ACM SAHYADRI CHAPTER

(FROM 2019-2021)

EVENT 1

ACM SAHYADRI CHAPTER INAUGURATION

(11 OCTOBER 2019)

Speaker:

Dr Srinivasa Rao Kunte comes with a vast 30+ years of experience in Administration, 35+ years of teaching experience which includes 20+ years of experience in Research. He has received his Doctorate Degree in Character Recognition from the University of Mysore. He is also a 1st rank holder in M. Tech (Industrial Electronics) from the University of Mysore. Before Sahyadri, Dr Kunte was working as a Professor at the Department of Electronics & Communication at Jawaharlal Nehru National College of Engineering, Shivamogga. He has also served as a principal for 9 years in JNN College of Engineering, Shivamogga. He has to his credit more than 35 research publications in reputed international and national journals and conferences. Dr Kunte has supervised and guided PhD scholars and M.Tech Research Projects. He is a member of the COMEDK Executive Council. He is presently the academic senate member of VTU and Chairman of BOS in the E&C/TC board of VTU.

Event Details:

ACM Sahyadri Student Chapter was inaugurated in Sahyadri College of Engineering and Management on 11 October 2019 in the presence of Dr R Srinivasa Rao Kunte (Principal), Dr J V Gorabal (Head of Department of Computer Science and Engineering), and Chief Guest Ms Samyuktha Prabhu (Regional Head of GirlScript Karnataka) under the banner of MHRDs Institutional Innovation Council Sahyadri College.

The event started at 3:00 pm IST. Guests of honour Dr Anush Bekal (Vice-President & Convener, MHRDs Institute Innovation Council), Mr Pradeep Kumar C (Design Engineer, RDL Technologies Pvt. Ltd), Mr Harisha A (Asst. Professor, Department of Computer Science Engineering), Mr Vineet Nayak S (Chairperson, Sahyadri-ACM) Faculty members of the institute & Students were present during the event.

Number of Participants: 200

Organizers: ACM Sahyadri Team

EVENT 2

OPPORTUNITIES IN ACM

(11 OCTOBER 2019)

Speaker:

Samyuktha Prabhu is an amazing person to work with. She is very solution-oriented with exceptional problem-solving skills. She is currently working as a Business Intelligence analyst at Dell Technologies. She has been associated with ACM Manipal and has taken different roles and positions of honour. She has also been part of the GirlScript foundation and is the regional head for the GirlScript Karnataka region. She has been associated with different open-source societies and also been featured in Google Developers Club. She is a role model for Women in Tech.

Event Details:

ACM brings together computing educators, researchers, and professionals to inspire dialogue, share resources, and address the field's challenges. As the world's largest computing society, ACM strengthens the profession's collective voice through strong leadership, promotion of the highest standards, and recognition of technical excellence. ACM supports the professional growth of its members by providing opportunities for life-long learning, career development, and professional networking. ACM's broad-based infrastructure supports more than 860 professional and student chapters worldwide. These "local neighbourhoods" offer opportunities for members to gain access to critical research and establish personal networking systems.

Number of Participants: 200

Organizers: ACM Sahyadri Team

EVENT 3

ACM-NITK & ACM-SAHYADRI MEETUP

(26 OCTOBER 2019)

Speaker:

Jyotsna Gupta is an Open-Source Enthusiast, working as a Senior Software Engineer in Gojek, Bangalore. She is also involved with Mozilla Community since 2015 and volunteers to Mozilla in her free time as an Add-on Content Reviewer, Mozilla Tech-Speaker & Mozilla Representative (previously, a two-time Add-ons Featured Advisory Board Member & Judge of the worldwide contest (Firefox Quantum Extension Challenge). She is a coder by profession and a Shuttler by passion. She is also a Firefox Add-ons Mentor and has published a privacy-themed add-on PrivateX.

Event Details:

The session consisted of learning the syntax of GO. GO or Golang is an Open-Source programming language designed for building simple, fast and reliable software said, Ms Gupta. It is far better than other programming languages. Today's hardware needs a programming language that can support concurrency better, and that can scale up performance with the increase of added cores over time. This is where GO comes in as the most viable option, Ms Gupta said. The Workshop was concluded by teaching students how to build a secure server using GO and career fields related to it. Ms Gupta interacted well with ACM-Sahyadri members, answering all their queries and the students in turn built good connectivity with her.

Number of Participants: 20

Organizers: ACM NITK and ACM Sahyadri

EVENT 4

CYBER SAFE CAMPUS

(26 OCTOBER 2019)

Speaker:

Dr Ananth Prabhu G is a Professor in Computer Engineering at the Sahyadri College of Engineering and Management, Mangaluru. He helped establish the Centre of Excellence in Cyber Security and Forensics at Sahyadri College, Mangalore in Coastal Karnataka, India. Ananth is the author of several books focusing on self-development and self-help genres besides the Cybersafe Girl and Glorious Bharat Series (Part 1 - 3). Cyber Safe Girl V3 is a collection of 30 prevalent and popular cybercrimes, the precautions one can take, the relevant cyber law and sections applicable for the crimes under the Indian Penal Code, IT Act and other relevant acts, and tips to browse the internet safely and responsibly. This portal also offers a certificate course that can be revalidated every year. Ananth is also a Cyber Law Trainer at the Karnataka Judicial Academy, Bengaluru, India and Cyber Security Trainer at the Karnataka Police Academy, Mysuru, India.

Event Details:

Dr Prabhu is a very dynamic personality and also a motivational speaker. In his talk, he gave insight into some very common mistakes everyone does on the internet, the problems caused by attackers while accessing the internet and how the Trojan Virus is injected through the pictures. He also suggested ways on how to be free from cyber-attacks. He also spoke about some of the tools of artificial intelligence which are being misused by the attackers to cheat people. The students found the talk very inspiring and interesting. On the whole, the workshop was well received and the students gained great insights.
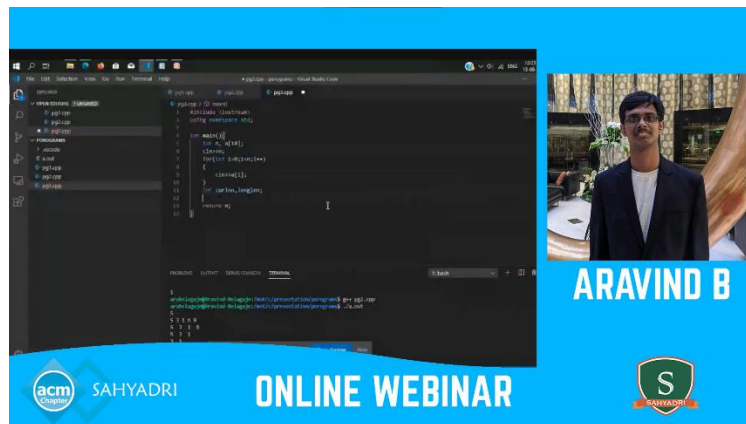
Number of Participants: 500

Organizers: ACM Sahyadri and MHRDs Institute Innovation Council

EVENT 5

COMPETITIVE PROGRAMMING WEBINAR

(13 JUNE 2020)

Speaker:

Aravind B is an Alumni of Sahyadri College of Engineering and Management and is currently working in Juego Studio Private Limited as a Trainee Software Engineer and JavaScript Developer. He is experienced in training and teaching freshers and employees at Juego and has been participating in different competitive programming challenges. He is a perfect blend of experience and knowledge. He has his expertise in Java, C, UWP and has industry knowledge in Web Development. He also has a good hold on tools and technologies including C#, Node.js, Three.js and Cocos2d-js.

Event Details:

Aravind B is a dynamic speaker and he has a good hold on competitive programming. He started with the basics of programming and explained different beginner-level concepts. He showed how a coder can write code which not only solves the problem but also solves it efficiently. He explained how we can use different libraries in C++ which accelerates the coding speed. He gave examples of different problems that can be encountered in competitive programming.

He also gave useful tips to be followed while learning competitive programming. He suggested important concepts to master and resources to refer to in the learning process.

Number of Participants: 90

Organizers: ACM Sahyadri Team

EVENT 6

ENTREPRENEURSHIP 101

(14 JUNE 2020)

Speaker:

Anubha Maneshwar is a young entrepreneur, founding director of the GirlScript Foundation which is India's biggest tech education organization operating in 65 cities across India and has impacted nearly 60,000 students in just 3 years of its inception. The organization has received Elastic Search Cause Awards 2019 in Sydney Australia. She is a speaker at TEDx, PyCon North America, WWTech Summit Washington DC, and more than 150+ other national and international events.

To date, the foundation has taught more than 25,000 students in technology and programming across 50 cities in India. Some of the students went on to jobs at JPMorgan Chase, Dell and Oracle. Maneshwar has also led and contributed to communities including Django Girls Foundation, UPAY Foundation and Mozilla Foundation. Maneshwar was a finalist in the Technology Playmaker Awards 2019 and won the Indian Women Leadership Excellence Award 2019.

Event Details:

Entrepreneurship is the creation or extraction of value. With this definition, entrepreneurship is viewed as change, generally entailing risk beyond what is normally encountered in starting a business, which may include other values than simply economic ones.

She informed me about the journey that an entrepreneur takes to reach his/her goals. The risk that is there in every phase of the journey and also about the research and organizational tactics that need to be done before starting up.
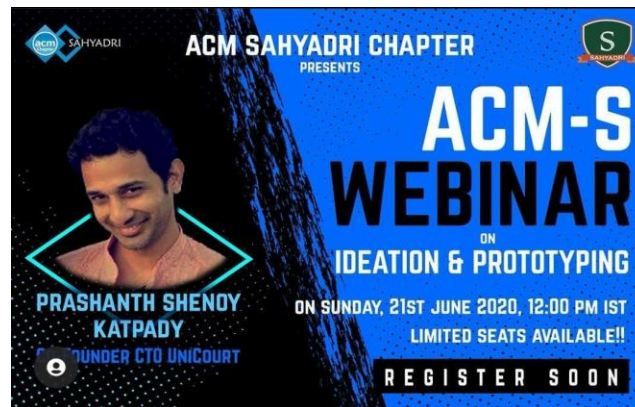
Number of Participants: 150

Organizers: ACM Sahyadri Team

EVENT 7

IDEATION AND PROTOTYPING

(21 JUNE 2020)

Speaker:

Prashanth Shenoy Katapady is the CO-Founder of CTO Unicourt Inc which is a #LegalTech SaaS solution which caters to both Consumers and Business in need of structured and normalized court cases via an app and LEGAL-DATA-AS-A-SERVICE via an API. As chief of Technology, his role is to design, architect and deploy large scale, highly efficient software solutions on the Cloud. He has a keen interest in product development and a strong background in technology. His strength lies in conceptualizing a product, understanding client needs and engineering features with his team. Prashanth also started Hackerspace Mangaluru, a community that holds workshops and talks on technology for students and professionals intending to build a lively tech ecosystem in Mangalore.

Event Details:

The webinar was presided over by Prashanth Shenoy Katapady who is the CO-Founder CTO @Unicourt.He is also the founder of Mangalore InfoTech. The session was started by highlighting the importance of "Ideation and Prototyping in the process of Design Thinking". The speaker briefed us about the different phases that are involved in Design Thinking and also about how one must think out of the box and come up with as many ideas as possible and how some simple ideas would turn into potential solutions. He also shared his experience on how Ideation and Prototyping are done in his workspace and gave us some tips on how one can build self-confidence and how one can validate his idea and turn them into an innovative solution. The session was highly informative and it gave a good insight into Ideation and Prototyping.

Number of Participants: 150

Organizers: ACM Sahyadri Team

EVENT 8

DATA SCIENCE PREPARATION

(27 JUNE 2020)

Speaker:

Nitin Kamal is a Data Scientist - II at OYO, Haryana. He is a Driven Analytics Practitioner who is passionate about solving difficult problems and a continuous learner. His professional aspiration is securing a position that requires broad analytical capabilities. In the long run, it is to be an expert in all facets of analytics and continuously innovate and contribute to the analytics industry. He has worked mainly on 2 projects. To provide insights on the online activity of a couple of Fortune 500 companies. He is also the Co-Founder at The Data Monk, which aims at providing the best resource to help people make a career in the Data Science domain. They have published 25+ books on Amazon covering SQL, Machine Learning, Statistics, Python, R, and Case Studies.

Event Details:

The workshop was presided over by Nitin Kamal, Data Scientist – II at OYO, Haryana. The talk started with a note on his education and work experiences. He put light on what data science is, giving various real-life examples to explain the essence of Data Science in today's world. He gave a walk-through on the life of being a Data Analyst. Their tasks, responsibilities, hardships and life. Adding to it was his experience as a Data Analyst followed by the advice he gave to the future budding data analyst.

Towards the end, participants asked questions to clear their doubts on data science and learning the importance of data science. It was an interactive session where both speaker and participants stayed active till the end and discussed important topics relating to Data Science.

Number of Participants: 150

Organizers: ACM Sahyadri Team

EVENT 9

NETWORKING AND NEGOTIATION

(28 JUNE 2020)

Speaker:

Dinesh Pai is an engineer and entrepreneur who is graduated from R V College of Engineering, Bangalore. He is presently working as a Head of Rainmatter which is an initiative by the team behind Zerodha, India's largest stockbroking firm. Rainmatter funds and incubates innovative Indian fintech startups. He is also the founder of Happi-zen which is a venture to ease the transition of international students joining the University of Calgary by providing service to reserve accommodation and food services before arriving in Calgary. He also worked as a senior consultant in Ernst & Young Global Limited Canada as well as a teaching consultant at Haskayne school of business Canada.

Event details:

Dinesh Pai is a well-experienced speaker and has immense knowledge of Networking and Negotiation. He started the talk with the basics of networking and its application in real-life scenarios. Later he delivered the importance of networking and the huge opportunities available. He gave the information regarding the steps to be followed to pursue a career in networking. He suggested some articles and resources understand networking and gain knowledge in networking.

Number of Participants: 150

Organizers: ACM Sahyadri Team

EVENT 10

DATA SCIENCE CAREER

(29 JUNE 2020)

Speaker:

Mr Bharani Kumar Depuru is an Alumnus of ISB and IIT with 15+ years of experience working in various capacities with companies including HSBC, ITC Infotech, Infosys, Deloitte. Performing consulting for various companies on Industrial Revolution 4.0 implementation, Data Analytics practice setup, Artificial Intelligence, Big Data Analytics, Industrial IoT, Business Intelligence, Business Management Consulting, etc., are a few of the prime activities performed.

Event Details:

The workshop was presided over by Mr Bharani Kumar Depuru, who works as Chief Data Scientist and Technology Advisor for 4 Firms. He is also the director of Innodatics Inc. and 360DigiTMG.

Mr Bharani Kumar Depuru started the session by highlighting how "Data is the new Science" and how "Big Data holds all the answers". He briefed us about the vast opportunities/roles available in the field of data science. He also explained how data is the new oil of the 21st century. He also explained how data science or data-driven science enables skills like better decision making, predictive analysis, and pattern discovery in an individual. He also briefly discussed the pre-requisites, skillset and tools one should possess which would make them a good data scientist. He also highlighted the importance of databases in data science, how to manage them, and how to extract data from them. The session was highly informative and gave a very good insight into data science. This session was motivational for people who want to start a career in data science if interested.

Number of Participants: 150

Organizers: ACM Sahyadri Team

EVENT 11

TELECOMUNICATION INDUSTRY

(04 JULY 2020)

Speaker:

Mr Deepak Tallur is Currently Working as Project Manager core network with Vodafone Qatar for Core Network Modernization Program with Extensive Experience in Managing Large scale transformation projects and Program Management and Experience in Stakeholder management. Affluent in preparing status reports & providing timely communication to stakeholders. Having Extensive Experience in Planning, Budgeting, and Scheduling Telecom Projects

Event Details:

Mr Deepak Tallur started by highlighting the details of the present and future of the telecommunication industry. He briefed about the subscribers and the service providers in the telecommunication. He stated the evolution of the telecom industry, different layers of the working of telecommunication. He explained the different types of wired communications and wireless communications. He gave detailed information on the 3G and 4G network architecture model and also the 4G Volte Architecture. He then gave an insight into the emerging field in telecommunication 5G. He explained different layers of the 5G network architecture, PDU Sessions and QoS flows, network function virtualization, network slicing, and finally the use cases of 5G. The session was highly knowledgeable and gave all of us an insight into the present and future of the telecommunication industry.

Number of Participants: 150

Organizers: ACM Sahyadri Team

EVENT 12

CAMPUS PLACEMENT

(11 JULY 2020)

Speaker:

Mrs Rashmi Bhandary is currently working as Dean-Placement and Career Guidance at Sahyadri College of Engineering & Management with exceptional expertise in leadership, coaching, and motivation. She is proficient in Soft Skills Training and is a student counsellor.

Event Details:

The webinar was presided over by Mrs Rashmi Bhandary who is currently working as Dean-Placement and Career Guidance at Sahyadri College of Engineering & Management

Mrs Rashmi addressed the audience about the Placements. She gave insights on how a student needs to start preparing for placement irrespective of the fact if a project would be successful or not. She shredded light on how an internship, aptitude, and skills, played a major role in getting a dream job. She made sure to emphasize the placements and hiring that are happening during the global pandemic, how the doors of opportunities have opened, and how an individual is expected to upskill.
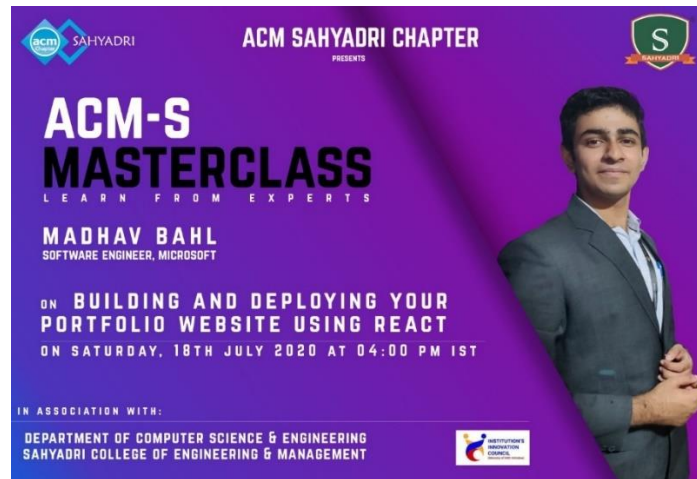
Number of Participants: 200

Organizers: ACM Sahyadri Team

EVENT 13

BUILDING AND DEPLOYING YOUR PORTFOLIO WEBSITE USING REACT

(18 JULY 2020)

Speaker:

Madhav Bahl is a cadet by nature and a developer by passion. He is currently working as a Software Engineer at Microsoft. He is also a full-stack developer, tech blogger, podcaster, vlogger, self-help blogger, writer, motivator and mentor for those who want to learn programming, development and recent technologies. He has been continuously helping the youth of India to become better at programming. He has contributed a lot to the community of programmers. He always aims to make every individual in this world proficient in one programming language. For the fulfilment of his vision, he keeps mentoring students free of cost, spoke more than 50 events/workshop/meetups/webinars. He has completed more than 15 initiatives, reaching over 25000 people in the student community.

Event Details:

Madhav Bahl is a tech enthusiast and also a dynamic speaker. He started the session by briefing "How important it is to build your portfolio website ". He also explained "Why React?" and also explained few basic concepts about it. He further briefed how it will automatically render things which we changed, by making the app run very fast. He also briefed the various components of the web application. He also showed few samples of app architecture and also briefed regarding it. He also explained about various steps involved in lifecycle methods. The main objective of this session was to encourage an individual to build and deploy their portfolio website using react.
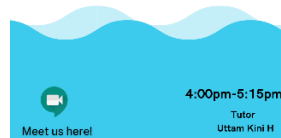
Number of Participants: 150
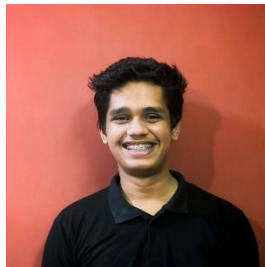
Organizers: ACM Sahyadri Team

EVENT 14

BASICS OF GIT AND GITHUB

(12 SEPTEMBER 2020)

Speaker:

Uttam Kini H is a 3rd-year student in Information Science Engineering at Sahyadri College of Engineering and Management and one of the core members of ACM Sahyadri. He loves to develop apps and keeps on learning new concepts as every day is a process of learning new things for him. He is also a cloud enthusiast experimenting with ways in the cloud has become a daily coffee for him. He loves public speaking. Keeping up with the team and aspiring to them is what he thinks about being a leader. Learning and Sharing are two things that are his basic principles of life.

Event Details:

The workshop was conducted by Uttam Kini H who is the technical lead and core member of ACM Sahyadri. His passion for learning GitHub provided an insight for the students on how to use GitHub in our daily life for efficient code development.

The workshop started with the basics of GitHub. Uttam gave an example of how we can take our daily tasks like cooking as one of the basic elements for learning git. Then the workshop also gave us an insight on how to install git and sign up a user for GitHub. After the installation guide, the speaker also explained certain commands and their usage with certain examples. Uttam also gave us an insight into how GitHub is used for efficiently developing code. He also explained the problems that we might face while using GitHub and how to avoid or solve those problems. The sole purpose of this workshop was to understand the basics of Git and GitHub so the student would be prepared for contributing towards Hacktoberfest.
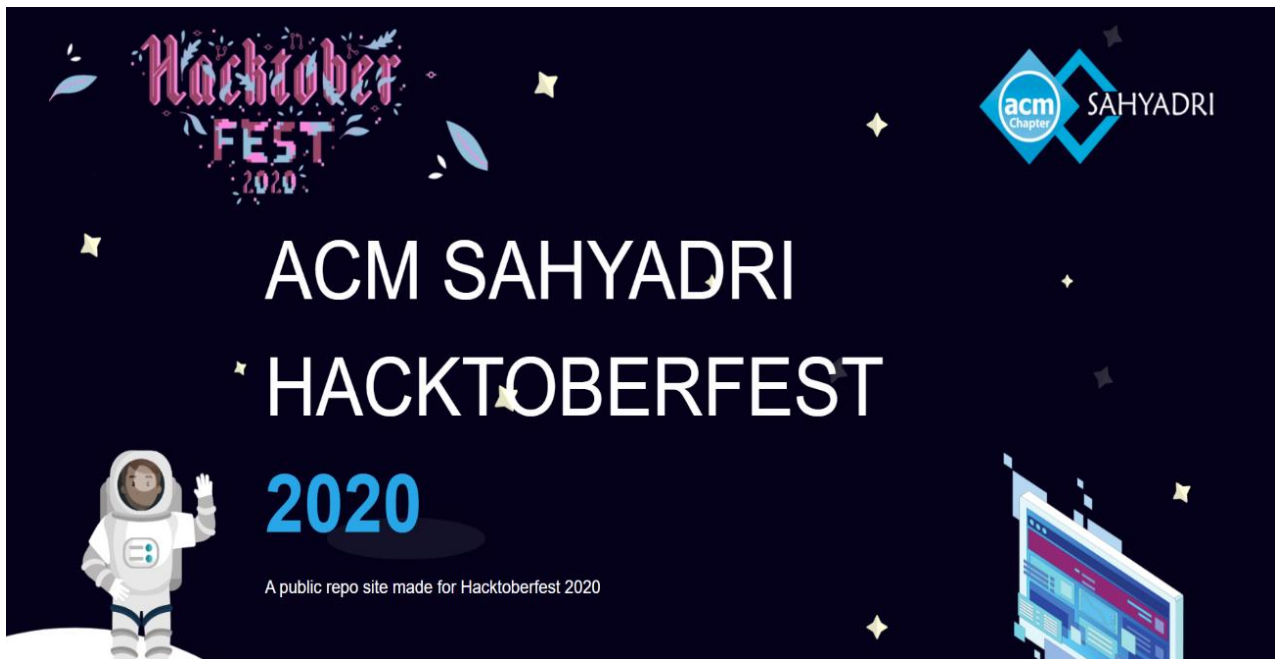
Number of Participants: 20

Organizers: ACM Sahyadri Team

EVENT 15

ACM-SAHYADRI HACKTOBERFEST 2020

(1 OCTOBER 2020)

Developer:

Event Details:

ACM-Sahyadri took an initiative to promote Open-Source contributions. We organized an event to teach students how to use GitHub, which is one of the compulsory skills needed in a developer in current times. The session was not only based on the usage of GitHub but also on the importance of Open-Sourcing projects. At the end of the session, students had to contribute to an Open-Sourced Repository on GitHub. This was a part of Hacktoberfest 2020, which is a mega event held every year to promote Open-Sourcing. They also provide goodies for the ones who do a minimum of 4 pull requests. ACM-Sahyadri Hacktoberfest 2020 made it possible to participate in this event and spread the word about the importance of Open-Source contribution. There were a total of 60 successful participants having more than 240 pull requests. The ones whose pull requests were successful is displayed on a website. Link for the website:- https://acm-sahyadri.github.io/hacktoberfest-2020/ and Link for the GitHub Repo:- https://github.com/ACM-SAHYADRI/hacktoberfest-2020

Number of Participants: 58

Organizers: ACM Sahyadri Team

EVENT 16

COLLABORATIVE EVENTS WITH CODING BLOCKS

PROBLEM-SOLVING USING TREES

(24 OCTOBER 2020)

ALGORITHM ON BINARY TREE

(07 NOVEMBER 2020)

Speaker:

Prateek is a popular programming instructor and an ace software engineer, currently working with Google and created Coding Minutes to bring high-quality courses at pocket-friendly pricing. He is known for his amazingly simplified explanations that make everyone fall in love with programming. He has over 5+ years of teaching experience and has trained over 50,000 students in classroom boot camps & online course at a popular boot camp in the past. His expertise lies in problem solving, algorithms, competitive programming and machine learning. His interactive Mario style at prateeknarang.com resume is loved by all. Many of his ex-students are now working in top

product companies like Apple, Google, Amazon, Paytm, Microsoft, Flipkart, Samsung, Adobe, DE Shaw, Condensation, Arcesium and more.

Event Details:

Trees are used in many areas of computer science, including operating systems, graphics, database systems, and computer networking. Tree data structures have many things in common with their botanical cousins. A tree data structure has a root, branches, and leaves. The difference between a tree in nature and a tree in computer science is that a tree data structure has its root at the top and its leaves on the bottom.

The Webinar mainly focused on solving competitive programming problems using Tree Data Structure. The speaker talked about different possible approaches to solving such problems. He also solved some of the most common types of problems that can be encountered in this category. He also specifically mentioned that having a hold on such concepts can help in getting into FAANG companies.

Number of Participants: 50

Organizers: ACM Sahyadri and Coding Blocks

EVENT 17

COLLABORATIVE EVENTS WITH CODING BLOCKS

DATA STRUCTURES: TREES (C++)

(22 FEBRUARY 2021)

Speaker:

Mosina Ashraf is a versatile mentor and has an innate understanding of the concepts which makes her way of teaching, almost like learning through osmosis. She is a competitive programmer and a front-end web developer. Apart from having an excellent academic record with her sense of innovation, she has contributed to creating great teaching content. Known for her euphonious voice, warmhearted nature and coding skills, she blends proficiently as a mentor.

Event Details:

The Webinar was for all the budding programmers who aspire to gain expertise in Data Structures and Algorithms or are appearing for their internship/placement interviews. It was designed to provide an ample amount of practice questions based on Tree Data Structure. It provided a firm base for students to excel in all their programming interviews by building an efficient approach to finding optimized solutions.
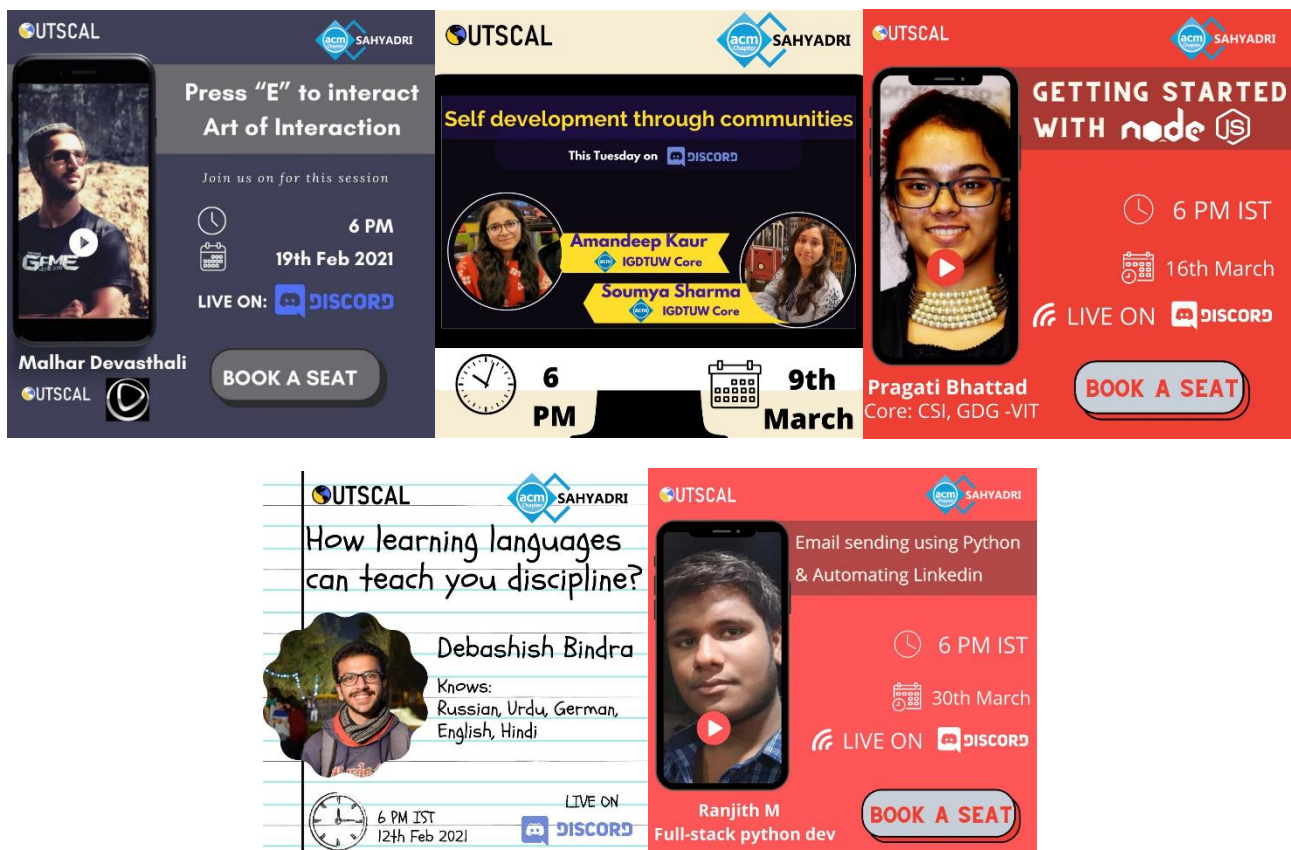
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Number of Participants: 60

Organizers: ACM Sahyadri and Coding Blocks

EVENT 18

COLLABORATIVE EVENTS WITH OUTSCALE

Event Details:

The speakers of the Outscal community are members of the Outscal community who are either students or alumnus of the Outscal community. It mainly focuses on placement preparation and game development, along with social skills.

They also full-stack Game Development courses zero upfront costs and the student needs to pay the fees only after he/she gets placed. In collaboration with Outscal ACM Sahyadri has hosted events where participants get to know more about the skill of interaction and get prepared to face campus interviews with confidence. The Self Development through communities event talks about the importance of communities in student life and helps understand how to connect with one. Getting started with Node.js is a beginner level introduction to web development using Node.js. How learning languages can teach you discipline? Correlates coding language principles with principles of the discipline. Email sending using python and automating LinkedIn session was filled with examples as to how to program in python can be used to ease day to day corporate activities like writing mail and posting on LinkedIn.

Number of Participants: 50+

Organizers: ACM Sahyadri Team and Outscal Community

UPCOMING EVENT 19

COLLABORATIVE EVENTS WITH CODING MINUTES

Speaker:

Prateek is a popular programming instructor and an ace software engineer, currently working with Google and created Coding Minutes to bring high-quality courses at pocket-friendly pricing. He is known for his amazingly simplified explanations that make everyone fall in love with programming. He has over 5+ years of teaching experience and has trained over 50,000 students in classroom boot camps & online course at a popular boot camp in the past. His expertise lies in problem solving, algorithms, competitive programming and machine learning. His interactive Mario style at prateeknarang.com resume is loved by all. Many of his ex-students are now working in top product companies like Apple, Google, Amazon, Paytm, Microsoft, Flipkart, Samsung, Adobe, DE Shaw, Condensation, Arcesium and more.

Mode: YouTube Live

Organizers: ACM Sahyadri and Coding Minutes

Current Registration: 200+

THE END