

**Name :** SVCE ACM Student Chapter (2016-2017)

**Address of chapter :** Chennai-Bengaluru High Road, Pennalur Village, Kancheepuram District, Sriperambudur, Tamil Nadu 602117

**Names and email addresses of chapter officers and faculty sponsor :**

Abhishek Babuji (Chairman): abhishekb2209@gmail.com

Karthic Rajakumar (Secretary): karthic.rajakumar95@gmail.com

Srideepika Jayaraman (Vice-Chairman): J.srideepika@gmail.com

Shravya Ramesh (Treasurer): shravs1208@gmail.com

Shruthika Mandiram (Joint Secretary): shruthika.mandiram@gmail.com

Sriram Ramanujam (Member-Chair): shriramramanujam@gmail.com

Dr. C Jayakumar (Faculty Sponsor): hodcs@svce.ac.in, hodacm2016@gmail.com

### **A brief description of your chapter and school including number of chapter members**

The SVCE ACM Student Chapter is the leading Computing club in SVCE. Started with the spirit of spreading quality education in Computing, the club has come a long way! It has achieved a lot in helping students reach out to the technical world. It serves as a base for students to step foot into the industry. Various workshops and events are conducted every year in order to enhance students' knowledge.

The primary aim of this chapter is to if not unleash the capacity of every individual and to bring out their potential to the fullest; atleast introduce Computer Science to a lot of non-Computer Science students who take this undergraduate course and bolster their motivation to learn to code. The SVCE ACM is growing bigger and better, every year.

The Student Chapter was first set up by the students of CSE department under the guidance of Dr. Susan Elias, former Head of Department, Computer Science and Engineering. It was officially chartered by ACM New York on 26th August 2011. A team of 26 enthusiastic students from the Department led by a very bright and hardworking student, Sarath Chandar A P, took the initiative to set up this chapter. The official launch was on 22nd September 2011. For the enhancement and the upliftment of the committee, a core team was formed by the students comprising of a chair, a vice-chair, secretary, joint secretary, treasurer and a member-chair.

**No. of chapter members :** 42

**Number of students at your school who take computer science and related courses, and typical majors of your chapter members.**

CSE department undergrads : 720

IT department undergrads : 720

### **Outstanding Chapter Activities**

#### **1. Introduction to Programming in C - For Freshmen**

Coaching/Mentoring classes on Introduction to Basics of C Programming for first years was conducted on the month of August, 2016 in SVCE by the ACM, The Student Chapter of SVCE. In this event, members of ACM mentored the juniors during their lab sessions. The coaching involved basics of C programming and students were introduced to simple programs.

The primary goal behind the event was to facilitate the transition for students who were not exposed to Computer Science fundamentals in High School (quite a few were part of the Biology group in their senior secondary schooling), into Computer Science as an Engineering course. The event was a great success as these classes helped them build a strong base in programming. The mentoring was spread across a month and around 180 students benefited from it.

## **2. Workshop on Containerization and Docker Technology and the React Native Framework**

A 1-day workshop on two very essential and relevant fields in computing today - Hybrid Application Development and easy application deployment was conducted on the 25th of February, 2017 at Sri Venkateswara College of Engineering (SVCE) organized by the ACM, SVCE Student Chapter. The workshop was attended by 40 students.

The workshop was split into two sessions- Forenoon and Afternoon, and was conducted by two alumnis of SVCE, from the batch of 2016 - Sidhanth Surana (Chairman, SVCE-ACM 2015-16) and Tarun Chinmai.

For the first session, Tarun Chinmai, who currently works as a Software Engineer at Akamai Technologies, had lent his valuable knowledge on the concept of containerization, the Docker technology and its various applications today. It was a hands on session that dealt with one of the most important technological problems today: of how to get software to run reliably when moved from one computing environment to another. The scope for this particular field is immense, and learning the basics of the said topic from a person working in one of the world's leading networking companies - Akamai Technologies was an incredible opportunity for budding computer science engineers to expand their knowledge.

The afternoon session was by Sidhanth Surana, who is currently a Mobile Application Developer for Hatch - a code education startup, was a hands on session on one of the most game-changing and popular frameworks for mobile application development - the React Native framework. React Native lets us build mobile apps using only JavaScript. We can build a real mobile app using this framework; one that's indistinguishable from an app built using Objective-C or Java.

The students were absolutely enthusiastic and thrilled to learn such trending computing concepts from people applying the same at an industry level, and gained sufficient knowledge to begin their in depth exploration on the said fields.

## **3. An Introduction to Data Science using R Programming**

A short yet extensive 5-hour workshop on Data Science was conducted on the 5th of April, 2017 at Sri Venkateswara College of Engineering (SVCE) organised by the ACM, SVCE Student Chapter. The workshop was attended by 30 students from the first year category. Conducted by Abhishek Babuji (Chairman SVCE-ACM Student Chapter 2016-2017),