

Sri Sairam Engineering College

West Tambaram, Chennai

Training and Placement (TAP) Cell

About Us

“We create the Opportunity and Make the Students Placed”

Training and Placement (TAP) is an integral part of our institution. The institute has provided the state of art infrastructure for effective functioning of the cell. TAP cell is sensitized to function all through the year towards finding placement and training opportunities for the students. Training activities are integrated with syllabus with 1 credit in every semester .In an effort towards enhancing the skills & preparing the prospective students for niche campus hiring.

Placement Scenario:

Fresh Talent acquisition by all leading manufacturing sectors, IT service sectors started focusing on **“Skill Based Hiring”**. The campus hiring scenario and the process of selection is completely shifted towards industrial expectations in terms of skill sets. There is a big gap between the industrial expectation and the present syllabus of all engineering disciplines. All industries coming under manufacturing sector or software services sector, expect all fresh graduate engineers getting hired through campus interview should be available to them in a form of **“Billable Resource”** from the day one they join the organization without any investment of time and cost through training imparted to them. Expectation of the recruiters and their new policy of recruitment in hiring fresher are purely based on the criteria of the student’s skill set capacity in terms of **“Deployment”** instead of **“Employment”**. Based on the expectations of the industry we have meticulously planned the Syllabus to cater the needs of the present Placement scenario.

Skill Enhancement :

The traditional way of training the students to crack the aptitude test, group discussion & technical round of interview successfully is not sufficient in the present placement scenario.

From the AY 2020-2021 we have introduced the integrated Skill Enhancement Syllabus from 1st semester to 7th semester into our curriculum which is meticulously planned to enable and transform all the students in a phased way. Which is a blend of Aptitude (Phase 1) and Technical (Phase 2) training in every semester. We got the appreciation from the Board of studies members and from Industry experts for introducing this syllabus. Skill Enhancement syllabus is blended in such a way to hone the skills of the students in a different perspective.

Skill Enhancement Syllabus:

SEMESTER 1 - Social Media Etiquettes, Browsing Culture, Networking, Professionalism, Digital Identification.

SEMESTER 2 - Resume Building, Virtual Meetings, Online Learning, Google Suite, Presentation Skills

SEMESTER 3 – Aptitude & Cognitive Skills – Part 1

SEMESTER 3 – Problem Solving Using C Programming – Part 1

SEMESTER 4 – Aptitude & Cognitive Skills – Part 2

SEMESTER 4 - Advanced C Programming – Part 2

SEMESTER 5 – Aptitude & Cognitive Skills – Part 3

SEMESTER 5 – Python

SEMESTER 6 – Aptitude & Cognitive Skills – Part 4

SEMESTER 6 – Problem Solving using Basic Data Structures – Part 4

SEMESTER 7 – Aptitude & Technical Refresher & Aptitude Company Specific Training

Trainer Selection:

1. We are following a unique policy in choosing the trainers to provide training (Aptitude and Technical) training to our students.
2. We will call the potential players doing training and have an proven track record in Training
3. Students from different departments will act as a jury to choose the trainers
4. All the players called for the demo will be given a time slot of 30 minutes. They will utilize the time to showcase their training methodology.
5. After each session feedback will be collected on various parameters through Google form
6. Based on the feedbacks of the students vendors are ranked
7. Training order will be given to two vendors.
8. Tailor made Skill Enhancement Syllabus will be shared to the vendors beforehand.
9. After every training we will collect the feedback from the students to know the effectiveness of the training program and looking room for improvement.

Placement Facilitators (PF):

1. Placement Facilitators and Talent Enablers are the integral part of the Placement team
2. Each of them have a defined roles and responsibility
3. Placement Facilitators (PF) is playing a crucial role in student's career progression in the campus.
4. As an integral part of Placement team they are also responsible for the Smooth conduct of the Placement Drive.
5. Placement facilitators are the one having close contact with the students to disseminate the information to the Students and address student's grievances of their department in terms of Placements

6. Placement facilitators play a major role in furnishing the details of placement during NIRF, NBA, NAAC and other accreditations, rankings.

Talent Enablers (TE):

1. Talent Enablers (TEs) play a vital role in enhancing the skills of students in recent trends and preparing them to face the competitive world in their career
2. Identifying the industry expectations based on that they will suggest changes in the syllabi and training needs
3. Identifying various online course platforms and guiding them to register in their domain specific advanced courses as mandatory courses. Encouraging students and staff to complete courses in NASSCOM Future Skill web portal, COURSEA, EDX, ICT Academy, UDEMY

AMCAT Test:

“AMCAT” assessment platform is used by all students from 2nd year onwards to get to know their Skillset Scan report in six different areas like Writex (English), Logical, Quants, (Aptitude), Automata Fix (Debugging), Automata (Coding), SVAR (Speech Voice Adaptive Rating), domain specific test. Skillset scan reports give the readiness before the campus hiring assessment conducted by all recruiters. We are confident that all these assessments in periodic intervals of time will transform every student's interview readiness for successful placement.

AMCAT is the assessment partner for most of the leading corporates. We have created a platform for our students to take the test in the AMCAT assessment portal to make them familiarize with the nuke and corner of AMCAT portal. It would be easy and familiar for them when they attend campus assessment test in the same portal. After the completion of each test, individual students' AMCAT reports are uploaded automatically in our EOMS (Edumate) through API integration.

Skillrack:

The TAP Cell considers all the changes happening in the recruitment pattern and developed a unique kind of training program for our students. We have an exclusive online training portal with the help of a third party vendor “SKILL RACK” to train our students in C, C++, JAVA, PYTHON.

We have introduced this Skillrack platform in the year 2013 at our college with a prime focus to enhance the student's employability skills. The students are given individual user id, password to login to the portal where they can practice coding, data structures, algorithms, quantitative, logical, and verbal. The students have online tutorial also to clarify all the doubts then and there. The students will get more clarifications from the faculty in the lab regularly, this will improve the various technology skill set among the students to meet requirements of the changing industrial needs. The TAP Cell can generate the detailed reports of the performance of the students in an extraordinary format like login details of every student, the time consumed, time taken to solve a particular question, test resume count, hint and solution seen, ranking of recent 'N' test, number of test absent, students strength and weakness report and the students activities are monitored and communicated to the respective students individually.

SkillRack.com is a platform to learn, practise and assess their skills in programming, aptitude, reasoning and verbal skills. SkillRack aims to improve the engineering college students programming and problem solving skills right from their 1st semester till 8th semester. Students can program in any one of the major programming languages of his/her choice.

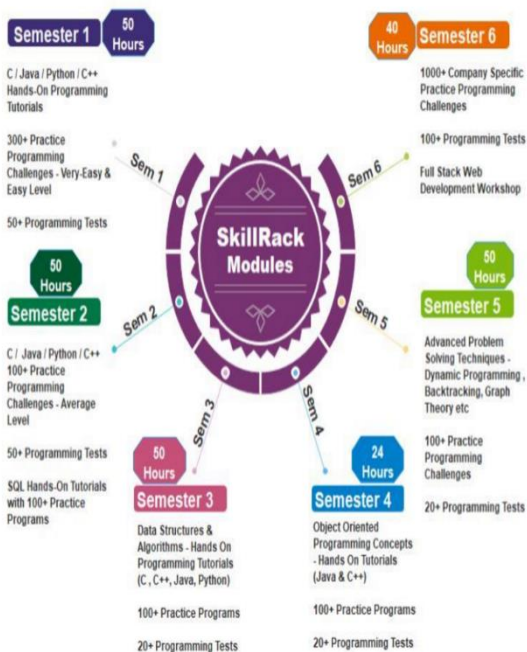
Interactive Live Assisted Coding Sessions(LACS) help students to get a kick start in programming with real time assistance from experts.

As a means to engage and sustain the interest level of the students, several gamification models listed below are provided.

- Daily Challenge (1 program every 24 hours).
- Daily Test (1 program at 10:00pm every day).
- CPL (College Premier League where Gold and Silver medals are provided).
- Leader board for individual modules (both inter and intra college)

Reports and data analysis helps the college Training and Placement cell to plan Skill Development training based on the strength and weakness of the students. College Training and Placement cell can schedule assessments based on their customized schedule and deliver it in college lab hours or online any time.

MODULES - SEMESTER WISE



PEGA

Pega is the leader in cloud software for customer engagement and operational excellence. The world's most recognized and successful brands rely on Pega's AI-powered software to optimize every customer interaction on any channel while ensuring their brand promises are kept. Pega's low-code application development platform allows enterprises to quickly build and evolve apps to meet their customer and employee needs and drive digital transformation on a global scale. For more than 35 years, Pega has enabled higher customer satisfaction, lower costs, and increased customer lifetime value.

Pega UAP program is conducted only in 12 colleges across India. We are proud to say that we are one among the 12 universities to conduct Pega program for the benefits of the students. About 476 students have become Pega certified professionals from our campus in last 4 years.

PGPA (Performance Grade point Average)

Apart from the regular system of evaluating the students through the CGPA. We are adopting a very unique system of categorizing the students on various traits known as PGPA- Performance Grade point Average

Normally all institutions adapt the academic based evaluation system only. But we at Sairam following a holistic approach for evaluating each and every student based on their skills & talents beyond the syllabus. We identified the 9 parameters apart from GPA.

Each student's talents and efforts are measured and given due weightage in the form of Grades and finally we arrive at the PGPA of each student. All these evaluations are being carried out without affecting the regular academic schedule in terms of man hours.

PGPA Evaluation Guidelines

In line with the NEP 2020, it is the responsibility of a HEI to develop the learners in a holistic manner and give back to society a good citizen. So, every student admitted into the Sairam Institutions shall be given many opportunities to enhance their knowledge and skills. To monitor and evaluate their academic excellence and their skills the following guidelines have been evolved. The students are given a credit based on their performance and named as PGPA.

The evaluation includes 10 components including academic GPA. Some components are mandatory in a specific semester and other components are optional. The 10 components are listed below

1. Skillrack
2. AMCAT
3. Internships

4. Sairam SDG Action Plan
5. Sairam Innovation Eco-System
(Ideathon, Solvethon, Innovathon, Inspireathon)
6. Sairam Artificial Intelligence Learning
7. Co-curricular (Clubs and Cells, Competitions)
8. Extra-curricular(Sports, Games & Cultural)
9. Online Certification (IITB Spoken Tutorial, Future Skills, etc.,)
10. Academic GPA

Out of these 10 components, 9 components are categorized in co-curricular and extracurricular activities. These activities carry a credit to be included in the award of PGPA for the students. The details of the credits are listed below.

Table-A: PGPA Credits

S.No.	PGPA Component	Credits
1	Skillrack	3
2	Sairam SDG Action Plan	3
3	AICTE-Internship	3
4	AMCAT	3
5	Sairam Innovation Eco-System (Ideathon, Solvethon, Innovathon Inspireathon) Each 3 Credits (12)	
6	Sairam Artificial Intelligence Learning	3
7	Clubs & Cells	3

8	Sports & Games	3
9	Online Certifications (IITB Spoken Tutorials) 2	
10	Academics (GPA)	4

Out of 10 components, Academic GPA will be added with a weightage of 40%.

Remaining, 9 components are related to the co-curricular and extracurricular activities of the students having a weightage of 60%.

1. SAIRAM INNOVATION ECO-SYSTEM

5.1. IDEATHON (FIRST YEAR)

- 1 Each student admitted into the sairam Institutions shall mandatorily take up this component in his first year of study.
- 2 Under this category the student shall form a team of not less than 3 and not more than 4 students.
The team of students thus formed shall have to propose an idea in their area of interest
4. These ideas will be evaluated by a panel of experts. The evaluation criteria and the grade to be awarded is shown below.

5.2. SOLVETHON (SECOND YEAR)

- 1 Each student admitted into the sairam Institutions shall mandatorily take up this component in his/ her second year of study.
- 2 Under this category the student shall continue with the same team members which he/she is part of in his/her first year of study.
- 3 However if the student wishes to form a new team of members, he/she is allowed to do so with genuine reasons and with the prior approval of authorities concerned.
- 4 The team of students thus formed shall have to propose the solution of their idea they proposed earlier.
5. These solutions will be evaluated by a panel of internal/external experts. The evaluation criteria and the grade to be awarded is shown below.

5.3. INNOVATHON (THIRD YEAR)

- 1 Each student admitted into the sairam Institutions shall mandatorily take up this component in his/her third year of study.
- 2 Under this category the student shall continue with the same team members which he/she is part of in his/her second year of study.
- 3 However if the student wishes to form a new team of members, he/she is allowed to do so on mutual agreements and with genuine reasons.
- 4 The above clause 5c(3) shall be done with the prior approval of authorities concerned.
- 5 The team of students thus formed shall have to propose the solution in an innovative way. This innovation created by the students shall be evaluated by a team of internal & external experts

5.4. INSPIREATHON (FINAL YEAR)

- 1 Each student admitted into the sairam Institutions shall mandatorily take up this component in his/her fourth year of study.
- 2 Under this category the student shall continue with the same team members which he/she is part of in his/her third year of study.
- 3 However if the student wishes to form a new team of members, he/she is allowed to do so on mutual agreements and with genuine reasons.
- 4 The above clause 5d(3) shall be done with the prior approval of authorities concerned.
- 5 The team of students thus formed shall have to propose the solution in an innovative way. This innovation created by the students shall be evaluated by a team of internal & external

experts

Table 5.1 Sairam Innovation Eco-System Points and Grades

S.No.	Innovathon	Grade
1	Participants who will submit the proposal after the due date.	B
2	Participants who will submit the proposal in time.	B+
3	10 Teams which have been eliminated out of top 25 teams during the first round of Evaluation.	A
4	12 Teams which have been eliminated out of top 15 teams during the second round of Evaluation.	A+
5	Overall Winners : 3 teams SDG wise winner 51 teams	O

6. ACADEMIC GPA

- 10.1. In each semester the GPA obtained by the student of his/her current semester will be added to the above component with a weightage of 40% and the final PGPA will be awarded to the student.
- 10.2. The PGPA obtained by the student will be cumulatively calculated as Cumulative Placement Grade Point Average (CPGPA) as he/she moves to next semester similar to the CGPA calculation which is done for his academic earnings.
- 10.3. The PGPA and the Cumulative PGPA (CPGPA) will be calculated as detailed below :

$$A1 = \frac{\sum (\text{Grade obtained} * \text{Credit})}{\sum \text{Credits Attempted}}$$

$$\text{PGPA} = (A1 * 0.6 + \text{GPA of the semester} * 0.4)$$

BYTS Training Program:

Learn from scratch:-Real programmers don't just learn programming. They will make it as their DNA.

Objective based Learning

Code while you learn

Real Time Examples (Usecases)

Customized Learning

Certified Professional Programmes:-

PLM (Product Life Cycle Management) in association with TCS – 100 students

Virtusa COE – Java Full Stack - 73

AWS – Amazon Web services - 53

Online Contest:

We regularly encourage and motivate the students to participate in various contest & Hackathon conducted by the organizations.

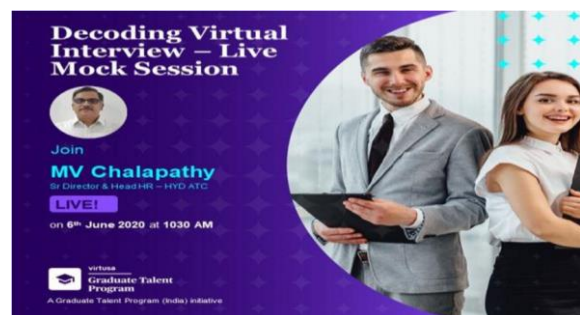
TCS Codevita, Inframind, Testimony, Hackquest, Enginex, Infytq-Infosys, OsmosisMindtree, Humain-TCS, Earthian-Wipro, Neural Hack-Virtusa

Exclusive for Women

Google-“GOOGLE WE” -Women Engineers

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Career Guidance Glimpses:



Industry Expectations seminar to all the Virtual Interview Demystified by Virtus

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Sairam INSTITUTIONS

TRAINING AND PLACEMENT CELL

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FOR PRE-FINAL YEAR STUDENTS
(2021 Batch)

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Placement Orientation – Sam - Accenture



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Odyssey Technologies**



Awareness session by Dr.C.Selvmony, MD, ACS international Educational Consultancy



**UPSC Awareness Program - Mr. Rishabh AIR23
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