

CAMPUS TO CORPORATE PROGRAM

Shaping leaders of tomorrow



TRAINING & PLACEMENT CELL

THE NEED

While young graduates prepare for a rewarding and successful career at the industry, they need to comprehend on the expectations of the workplace. With the world rapidly embracing digital technologies and graduates having access to the best of the advancements, the need for them to be equipped with the right skills: technical and soft skills, has never ever been as predominant as it is today.

SKILLING
GRADUATES
WITH THE RIGHT
COMPETENCIES
IS THE KEY.

Forbes lists tech savviness, adaptability & flexibility, Innovation, Data literacy, Critical thinking, Coding Skills, Leadership, Emotional Intelligence and commitment among the factors that adds edge and makes a fresh graduate desirable for any organization. With advent of MOOC platforms for graduates to learn, unlearn and relearn, the industry expects graduates to have strong coding skills, sound



knowledge of technology and also exhibit the exceptional interpersonal skills. For industry, this cuts training time and cost, and ensure that employees would work on real time projects quickly.

This essentially hints at the fact that our students have to be prepared for these changing landscapes and imbibe in them the right competencies and employability skills. The Campus to Corporate Program is a platform to orient students towards the industry expectations, seize opportunities and leap into the industry with confidence.

AN ENGINEER

The Industry Expectations



KNOWLEDGE

Strong knowledge of the field of study, Sound knowledge of relevant engineering tools



SKILLS

Technical Skills as well as soft skills: Strong analytical skills, Programming, Aptitude, Communication, Active listening, Negotiation, Effective writing and Presentation skills



ATTITUDE

Leadership, Adaptability, Emotional Intelligence, Active listening, Negotiation,

FUTURE SKILLS

Stanford Research Institute International determined that 75% of the long-term success in a given job role is based on a mastery of soft skills, and only 25% of that job success comes from technical skills. The essential skills include Cognitive flexibility, Digital literacy and computational thinking, Judgement and decision-making, Emotional and social intelligence, Creative and innovative mindset.



SHAPING FUTURE READY ENGINEERS

With changing workplace dynamics and transformations occurring at a faster pace, the need to thrive to match to the trends cannot be undermined. Young graduates have to be equipped with skills that make them relevant in the business world. It would open an alleyway of opportunities to shape their career. Adapting quickly, acquiring the skillsets and reinventing themselves would indeed be a gamechanger, making them employable and a clan ready for the future.



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CAMPUS TO CORPORATE PROGRAM

Four years of transformation

SJEC believes in shaping leaders of tomorrow with right skills, attitude and knowledge. The Campus to Corporate program spearheaded by the Career Development Center is fueled by our passion for excellence and our desire to shape engineers who are industry-ready. The segmented, four-years Campus to Corporate program is conceptualized and implemented with the objective of enabling graduates with the new age skills that would bridge the Industry-Academia gap.



Industry Oriented Training

Communication Skills: Intra & Inter Personal, Leadership Skills, Problem Solving Skills, Quantitative Aptitude Skills

YEAR 1

YEAR 2

Business & Computing Skills

Etiquettes: Personal & Workplace, Resume Writing, Group discussions, Team building, Certification Courses, Programming language training (branch specific)

YEAR 3

Technology Training & Interview Preparedness

Career Counselling: Job/ Higher Education/ Entrepreneurship, Department specific technology training, Mock interviews, Practice tests and Feedbacks

YEAR 4

Company specific Training

Aptitude training, Technology training, One-to-one counselling

Undergraduate Students would undergo Industry Oriented Training (IOT) I- Aptitude, IOT II- Problem Solving Skills, IOT-III Business Etiquettes and IOT IV- Computing Skills in the first or second year. Post Graduate students undergo IOT I & II in Year 1.

THE PLAN

INDUSTRY ORIENTED TRAINING I (APTITUDE SKILLS)

Course Code: 21ITP110/210 No. of hours/ week: 02 (Each Module- 4Hours)

Module-1: Number System: Various types of Numbers; Tests of Divisibility; HCF and LCM; Roots and Squares. **Algebra:** Identities; BODMAS Rule; Logarithms; Indices; Number Series; Simple Interest and Compound Interest.

Module-2: Time and Work: Facts and Formulae; Group work; Pipes and Cisterns. **Time and Distance:** Basics of Time, Speed and Distance; Average journey speed; Relative Speeds; Boats and Streams.

Module-3: Average, Percentage, Age problems: Average; Concept of percentage, Results on Population and Depreciation; Problems on ages. **Profit and Loss:** Formulae; Percentage of profit and loss, Discount.

Module-4: Permutations, Combinations, Probability: Factorial Notation, Permutations, Combinations, Random Experiment, Probability of Occurrence of events. **Ratio, Proportion, Partnership:** Ratio in terms of Percentage, Proportion, Mean Proportion; Variation; Partnership.

Module-5: Geometry: Pythagoras theorem - Heights and Distances; Area; Volume; Surface Area. **Clock and Calendar:** Problems related to clocks; Calendars; odd days; leap year; Day of the week related to Odd days.

Course Outcomes

At the end of the course the student will be able to:

- Apply the basic concepts of quantitative abilities related to Number system.
- Evaluate time related problems by knowing the relationship between time/speed/distance or time/work.
- Apply the concepts of average, percentage, appreciation and depreciation in real life problems
- Solve application problems involving permutations and combinations.
- Apply Ratio and Proportion concepts to solve the partnership problems where people share the ownership.
- Apply the geometrical concepts in real- world applications.

INDUSTRY ORIENTED TRAINING I (PROBLEM SOLVING SKILLS)

Course Code: 21ITP110/210 No. of hours/ week: 02 (Each Module- 4Hours)

Module-1: How to pick up Skills faster? Knowledge v/s Skill, Skill introspection, Skill acquisition, Engineering Graduate v/s Engineer

Building Interpersonal & Intrapersonal Skills: Peer communication, Social interactions, Bonding Emotional Management, Moral, social & personal responsibilities.

Module-2: Professional Etiquettes: Workplace etiquette, Dining etiquettes, Telephone etiquettes, E-mail etiquettes.

Module-3: Self-Awareness & Goal Setting: Identifying your Unique Selling proposition, SWOT, Nurture strengths, Fixing weaknesses, Overcoming complacency, Building confidence, Ambition/SMART Goals, Managing Failures.

Module-4: Team Building: Difference between team and group, Qualities of an effective team player, Stages of team building, Problem-solving among team members, Building winning teams.

Module-5: Problem Solving: Styles of problem solvers, Effective problem solving, Case studies, Individual/teams. **Creative Thinking:** Examples of creative thinking, Tools of creativity, Creative/critical thinking.

Course Outcomes

At the end of the course the student will be able to:

- Apply rational thinking abilities in solving real life problems.
- Develop the required skills to effectively interact with people and to articulate the ideas.
- Discover one's strengths and weaknesses, and apply them effectively for career growth.
- Recognize the dynamics of a team and achieve synergy.
- Articulate leadership and problem-solving skills.

INDUSTRY ORIENTED TRAINING I (PROBLEM SOLVING SKILLS)

Course Code: 21ITP110/210 No. of hours/ week: 02 (Each Module- 4Hours)

Module-1: Self-Introduction & Essentials of grooming: Learn the secret to introducing Yourself, Things to avoid when introducing yourself. Activity: Video record the self-introduction. **Essentials of grooming:** Creating the first impression, what does the well-dressed man wear? What does the well-dressed woman wear? Personal hygiene and habits.

Module-2: Resume Writing: Purpose, Identifying Relevant Competencies, Understanding Applicant Tracking Systems, Lists of Competencies, Writing Accomplishment/ Objective Statements, Finding the Right Words- Action verbs, The Most Popular Resume Format, Other Popular Resume Formats, Do's and Don'ts. Activity: Students have to submit a copy of their resume.

Module-3: Group Discussion: Types, process, Evaluation criteria, Do's and Don'ts Activity: Group discussions have to be held during the training sessions.

Module-4: Communicate effectively: Build a Story, Just a Minute, Group Activities, Team building activities, Role Play, Presentation Skills.

Module-5: Digital right and wrong

Virtual Communication: Agenda, being prepared, Dressing appropriately, background, Use Microphone and camera the right way, restraining from off tasks during virtual meetings, protecting confidential data during online presentations, time management.

Course Outcomes

At the end of the course the student will be able to:

- Articulate the essential components required for self-introduction in any business or a networking event and also recognize the need to dress appropriately for a successful career in the corporate
- Develop a resume inclusive of core competencies, and action verbs which are compatible with Applicant Tracking Systems
- Demonstrate the types, process and evaluation process of Group Discussion and carry out effective group discussions
- Develop skills required for effective communication
- Associate and be accustomed to the etiquette to be followed during online meetings

INDUSTRY ORIENTED TRAINING I (COMPUTING SKILLS)

Course Code: 21ITP110/210 No. of hours/ week: 02 (Each Module- 4Hours)

Module-1: Self-Introduction to computing constructs: Logical conditions: For Loops, Nested For Loops, While Loops, Do-While Loops, Nesting and Boxes, and combine/negate several logical conditions using logic operations AND, OR, and NOT. Arrays & strings: Create arrays of characters (strings), use the null terminator, and manipulate strings.

Module-2: Functions & Pointers: Introduction to Functions, Returning Data From a Function, Passing Data Into a Function, Getting Valid User Input, Changing Parameter Values, Pointer Basics, Changing the Pointed to Value, Walking an Array with Pointers, Dynamic Memory Allocation, Getting More Memory, Pointers to Structure.

Module-3: Group Discussion: Types, process, Evaluation criteria, Do's and Don'ts Activity: Group discussions have to be held during the training sessions.

Module-4: Object-oriented programming: Designing for Object-Oriented Programming, Core Concepts of OO Programming: Classes and objects, data abstraction, encapsulation, inheritance, benefits of inheritance, polymorphism, procedural and object-oriented programming paradigm.

Module-5: Frontend and backend development: UI, Database management: DBMS overview, Relational Data Model and the CREATE TABLE Statement, Basic Query Formulation with SQL.

Course Outcomes

At the end of the course the student will be able to:

- Illustrate the use of logical conditions, declare and manipulate data into arrays
- Implement functions, function calls, and parameter passing
- Design, implement, and evaluate an algorithm to meet desired needs
- Describe the core concepts of OOP's
- Recognize the concepts of front-end development and database management

YEAR 2

YEAR 3

YEAR 4

Career Counselling, Aptitude & Technology training

Walking along with their chosen path

Counselling to make the right choice: Placement, Higher Education or Entrepreneurship?, Technology training by the department and Aptitude & Soft Skills training through partnering Industry Vendor. Additionally Cocubes tests are conducted (practices tests, mock tests and actual tests). Also, training and certifications through MuleSoft, Wipro Talent Next, Infosys Campus Connect and Mock test through Naxeed Portal.

Company specific & Technology training

Walking along with their chosen path

Aptitude and Technology refresher courses relevant to drives, Mock tests through Naxeed portal and assistance in the interview process

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UPSKILLING
THE NEXT-
GEN
ENGINEERS

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**GREAT STORIES
BEGIN HERE!**



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