

## CAP100M:PROGRAMME ORIENTATION

L:2 T:0 P:0 Credits:2

**Course Outcomes:** Through this course students should be able to

CO1 :: learn about companies, technologies existing in the IT industry

CO2 :: understand the role of career pathways, course outcomes, program outcomes, star courses and specialization for goal setting

CO3 :: analyze the essential skills, certifications, competitions supportive for the achieving the goals and professional progress

CO4 :: compile Dream CV based on role, company and skills to get into the dream company

### Unit I

**Awareness about program and its structure** : description of program, duration of the program, program educational outcomes (PEO), program objectives (PO), program specific outcome (PSO) & course outcome (CO), six career pathways at LPU, STAR course pedagogy and evaluation, salient highlights of the specializations and electives in the program, star courses

### Unit II

**Companies and the profiles** : product & service based companies, FAANG & Fortune 500 companies, Technical profiles (Software Developers, Data Analysts, Network Analyst), Semi Tech profiles (BDEs, Tech Supports, Content Development), Non Tech profiles (Associate Recruiters, Research Analysts, Product Marketing Analysts), identifying and listening to the role models and professional leaders such as country head, CTO etc., essential skills required for the profiles, profile transitions in a company

### Unit III

**Technology evolution** : ideal technologies for product and service based companies, technologies for different IT verticals (fintech, healthtech, edutech), evolution of technologies (DBMS to RDBMS, SGML to DHTML etc.), Job scenario as per world economic forum & professional societies for different technologies, technology focus & inputs during the program such as Cloud Computing, IOT, Data Science, Machine Learning, web development etc.

### Unit IV

**Role of projects, competitive participation, digital presence** : why technology based project is a major expectation by the companies, students project vs industry project, importance of digital presence on professional platforms, technical community forums, professional clubs, societies associated with technologies and companies, illustration of software project phases based on case study, role of technology based project in hiring process by the companies

### Unit V

**Mentoring by Alumni** : success stories of alumni excelled in research, industry and entrepreneurship, network building through different sources like LinkedIn, glass door etc, alumni mentor-mentee association

### Unit VI

**Engagement of freshmen in identifying their dream careers** : Creating first career profile (first step towards the DREAM CV), defining roadmap for short term/ long term career plan, introduction to Gantt chart, role of CV, do's and don'ts in CVs, pitfalls in CV's,, in-print CVs vs video CVs,, components creation of the professional profile

### References:

1. IT CAREER: A ROAD MAP by CHUKKY OPARANDU, CREATESPACE INDEPENDENT PUBLISHING PLATFORM

