**INSTITUTE OF AERONAUTICAL ENGINEERING**

**(AUTONOMOUS)**

Dundigal - 500 043, Hyderabad

Traits of Great Programmers

Effective Assessment for the Next Generation of Coders

|  |  |  |  |
| --- | --- | --- | --- |
| **S No.** | **Parameters** | | **Marks** |
| **1** | **Programming Challenges and Digital Portfolios (PCDP)** | **Audit Weight: 0.20** | **20** |
|  | 1. Number of problems solved in online coding platforms: 854   Platform Profile links:   1. <https://leetcode.com/u/Mayuri_Kasetty/> 2. <https://www.geeksforgeeks.org/user/kmayu71ax/> 3. <https://www.codechef.com/users/mayuri_kasetty> 4. <https://www.hackerrank.com/profile/MAYURI_KASETTY> 5. <https://www.sololearn.com/en/profile/8310299> 6. <https://onecompiler.com/users/42tqbtake> 7. Number of streaks in coding platforms: 8. 500 days Streak – Sololearn Platform (level 16) 9. 100 days Streak – Diamond Badge getting in CodeChef 10. Digital portfolios: 11. <https://github.com/Mayuriblog> 12. <https://www.linkedin.com/in/mayuri-kasetty-55149a60/> 13. <https://scholar.google.com/citations?user=WbLF_gcAAAAJ&hl=en> | |  |
| **2** | **Essential Technical Skills for Programmers (ETSP)** | **Audit Weight: 0.30** | **30** |
|  | 1. Essential programming skills (Java / Python / PHP):   Certificate Completed   1. Java 2. Python 3. Web developer skills (HTML / CSS / JavaScript / Node.js / Django / ExpressJS):   Certificate Completed   1. CSS Basic 2. HTML 3. JavaScript 4. Mobile application developer (Java / Kotlin / Flutter / React Native):   Certificate Completed   1. Angular 2. React JS 3. Database (MySQL / MongoDB / NoSQL):   Certificate Completed   1. SQL Basic 2. SQL Intermediate 3. SQL Advanced 4. Game developer (C# / Python / Unity / Unreal):   Certificate Completed   1. Python 2. C# 3. Machine Learning / Data Scientist / Cybersecurity:   Certificate Completed   1. Explore Machine Learning using Python | |  |
| **3** | **Industry Driven Hackathons (IDH)** | **Audit Weight: 0.10** | **10** |
|  | 1. Mentoring students in industry-driven hackathons:   Virtusa Jatayu Ideathon | |  |
| **4** | **Technical Skill Proficiency (TSP)** | **Audit Weight: 0.20** | **20** |
|  | 1. Expert (Java / SQL / Python / JFS / C++ / C# / React / JavaScript / Git): 2. SQL Golden Level Badge in HackerRank 3. SQL 50 Badge in Leetcode 4. DBMS – NPTEL Certification 5. Advanced (Go / Rust / Node.js / Android / iOS / Offensive security): 6. Node.js 7. Familiar (Ruby / Swift / Object-oriented design): 8. Object-oriented design 9. Swift 4 | |  |
| **5** | **Professional Certifications (PC)** | **Audit Weight: 0.10** | **10** |
|  | 1. Professional Certifications (minimum 5 certificates): 2. DBMS – NPTEL 3. Explore Machine Learning using Python - Infosys Springboard 4. React JS - Infosys Springboard 5. Introduction to R Programming – Udemy 6. Vibe Coding – Sololearn 7. SQL - Hacker rank | |  |
| **6** | **Technical Projects (TP)** | **Audit Weightage: 0.10** | **10** |
|  | Title: Dynamic traffic management using real-time vehicle density optimization  Students: P Chandra Sai Akhil 22951A0533  V Akarsh 22951A0512  V Karthik 22951A0564 | |  |