

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade & NBA (Under Tier - I), ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

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DEPARTMENT OF COMPUTER SCIENCE &ENGINEERING

Report on "STUDENT INTERACTION FOR HOW TO CRACK THE JOB"

Event Type	:	Student Interaction
Date	:	16 th November 2024
Venue	:	ITWORK SHOP
Resource Person(s)	:	Mr.Karthik(16761A0571)
Name of Coordinators	:	O.Venkata siva
Target Audience	:	B.Tech.III Sem Students
Total no of Participants:	:	60

Objective of the Event : The objective of understanding how to crack a software job in the industry is to equip aspiring professionals with the necessary skills, knowledge, and strategies to secure employment in the competitive tech sector. This involves mastering technical concepts, programming languages, and problem-solving skills required for coding interviews. Additionally, candidates must develop strong analytical thinking, algorithmic proficiency, and system design knowledge to meet industry standards. Beyond technical expertise, effective communication, teamwork, and soft skills are essential for acing behavioral interviews and thriving in a professional environment. Staying updated with industry trends, gaining hands-on experience through projects and internships, and building a strong portfolio or GitHub repository further enhance employability. The goal is to help candidates confidently navigate job applications, technical assessments, and interviews, ultimately securing a rewarding software engineering role in the industry.

1. Technical Skills

- Programming Proficiency – Master at least one programming language (Python, Java, C++, JavaScript, etc.).
- Data Structures & Algorithms (DSA) – Strong understanding of arrays, linked lists, stacks, queues, trees, graphs, recursion, and dynamic programming.
- System Design – Learn high-level design concepts, scalability, and architecture for backend and full-stack roles.
- Database Management – Knowledge of SQL and NoSQL databases like MySQL, PostgreSQL, and MongoDB.
- Development Skills – Hands-on experience with web development, mobile app development, or cloud computing.
- Problem-Solving – Regular practice on platforms like LeetCode, CodeChef, HackerRank, and GeeksforGeeks.

2. Practical Experience

- Projects – Build real-world applications and contribute to open-source projects to showcase skills.
- Internships – Gain hands-on industry experience through internships and freelance work.
- Competitive Coding – Participate in hackathons and coding competitions to sharpen problem-solving skills.

3. Resume & Portfolio

- Well-structured Resume – Highlight projects, skills, and achievements concisely.
- GitHub Profile – Maintain an active GitHub with meaningful contributions.
- Technical Blog/Portfolio – Write about tech concepts or showcase projects on platforms like Medium or personal websites.

4. Interview Preparation

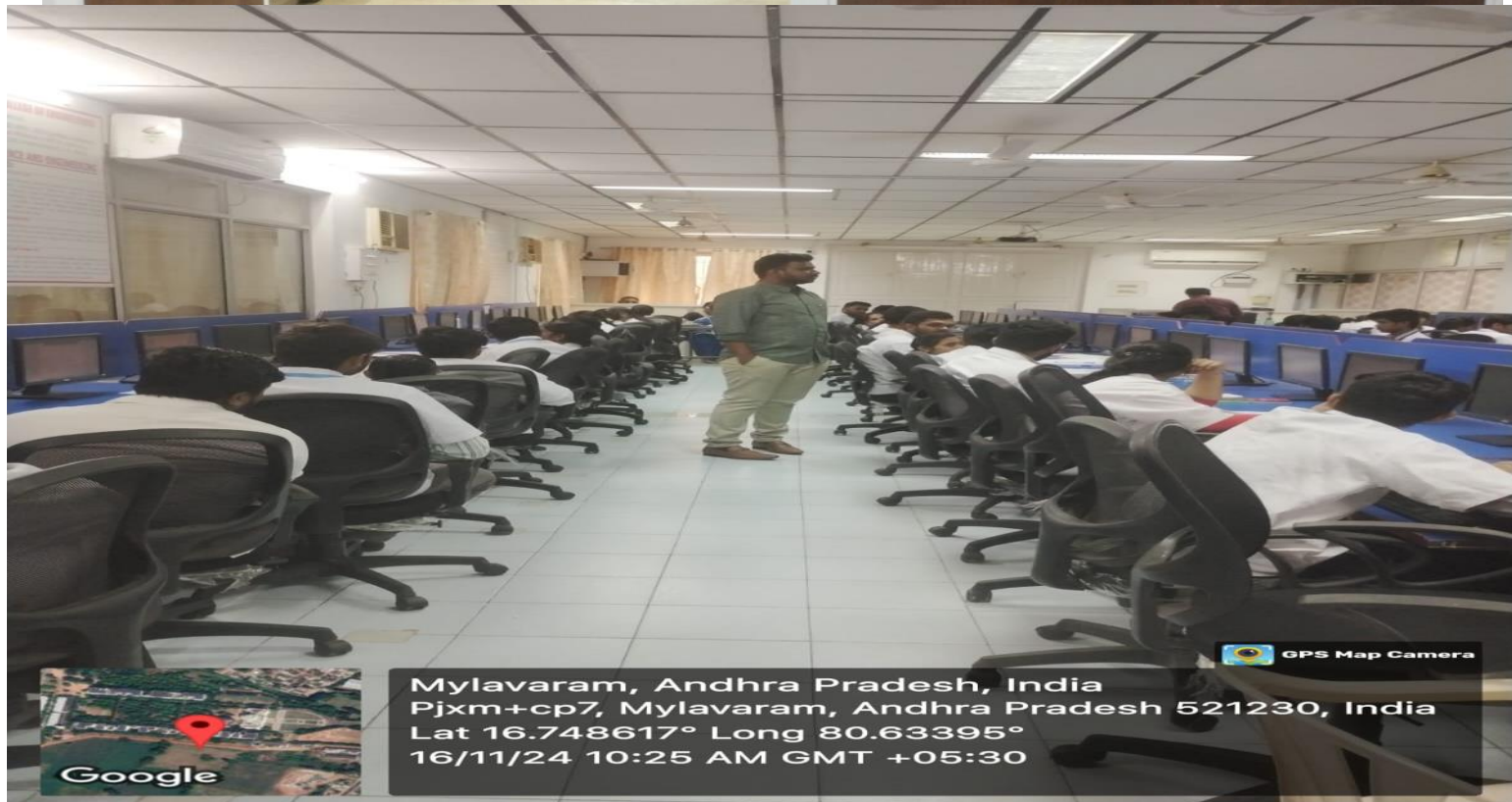
- Coding Interviews – Prepare for coding rounds using mock interviews and whiteboard coding.
- Behavioral Interviews – Learn HR questions using the STAR method (Situation, Task, Action, Result).
- Mock Interviews – Practice with peers or platforms like Pramp, InterviewBit, or Glassdoor insights.

5. Industry Awareness & Networking

- LinkedIn & Networking – Connect with professionals, recruiters, and alumni.
- Tech Communities – Join communities like GitHub, Stack Overflow, Dev.to, and local meetups.
- Certifications – Earn industry-recognized certifications in cloud computing, cybersecurity, or data science.

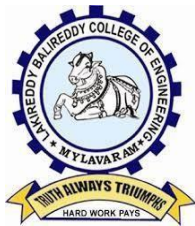
6. Soft Skills & Mindset

- Communication Skills – Be clear and concise in technical explanations.
- Teamwork & Collaboration – Work well in team projects and contribute effectively.
- Growth Mindset – Stay motivated, be open to learning, and continuously improve.



Coordinator
 (Mr.O.V.SIVA)

Head of the Department
 (Dr.D.Veeraiah)



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DEPARTMENT OF COMPUTER SCIENCE &ENGINEERING

Report on "STUDENT INTERACTION FOR HOW TO CRACK THE JOB"

Event Type	:	Student Interaction
Date	:	19 th OCT 2024
Venue	:	1F12
Resource Person(s)	:	Ms.Sanjana(17761A0571)
Name of Coordinators	:	O.Venkata siva
Target Audience	:	B.Tech.VI Sem Students
Total no of Participants:	:	60

Objective of the Event : The primary objective of career guidance in securing high-paying jobs in the industry is to equip individuals with the necessary skills, strategies, and mindset to achieve top-tier salary packages. This involves mastering technical expertise, problem-solving abilities, and business acumen, along with strong communication and leadership skills. Candidates must stay updated with emerging technologies and industry demands to position themselves as valuable assets to companies.

Additionally, career guidance focuses on effective job search strategies, including resume building, networking, and personal branding on platforms like LinkedIn and GitHub. It also emphasizes negotiation skills to maximize salary and benefits. A structured approach to technical and behavioral interview preparation, along with real-world project experience and certifications, enhances a candidate's chances of securing high-paying roles in top companies. The ultimate goal is to help individuals navigate their career paths strategically, enabling them to land lucrative opportunities in competitive industries such as software engineering, AI/ML, data science, cloud computing, cybersecurity, and fintech.

1. Software Development & Engineering

Best Courses:

- **CS50: Introduction to Computer Science** – Harvard (Free on edX)
- **Python for Everybody** – University of Michigan (Coursera)
- **Full Stack Web Development** – Udemy, Coursera, or The Odin Project
- **Mastering Data Structures & Algorithms** – Udemy, LeetCode, or GeeksforGeeks
- **System Design for Interviews** – Udemy, Educative, or Grokking System Design

High-Paying Roles:

- Software Engineer
- Full Stack Developer
- Backend Engineer

2. Data Science & Machine Learning (AI/ML)

Best Courses:

- **Machine Learning by Andrew Ng** – Stanford (Coursera)
- **Deep Learning Specialization** – Andrew Ng (Coursera)
- **Data Science & Business Analytics** – IBM or Google (Coursera)
- **Python for Data Science & AI** – IBM (Coursera)
- **Applied Data Science with Python** – University of Michigan (Coursera)

High-Paying Roles:

- Data Scientist
- AI/ML Engineer
- Business Intelligence Analyst

3. Cloud Computing & DevOps

Best Courses:

- **AWS Certified Solutions Architect** – Udemy or AWS Academy
- **Google Cloud Professional Architect** – Coursera
- **Microsoft Azure Fundamentals** – Udemy
- **Docker & Kubernetes: The Complete Guide** – Udemy

High-Paying Roles:

- Cloud Engineer
 - DevOps Engineer
 - Site Reliability Engineer
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4. Cybersecurity & Ethical Hacking

Best Courses:

- **Certified Ethical Hacker (CEH)** – EC-Council
- **Cybersecurity Specialization** – University of Maryland (Coursera)
- **Offensive Security Certified Professional (OSCP)**
- **CompTIA Security+** – Udemy

High-Paying Roles:

- Cybersecurity Engineer
 - Ethical Hacker
 - Security Analyst
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5. Blockchain & Web3 Development

Best Courses:

- **Ethereum and Solidity: The Complete Developer's Guide** – Udemy
- **Blockchain Specialization** – University at Buffalo (Coursera)
- **Certified Blockchain Developer** – Blockchain Council

High-Paying Roles:

- Blockchain Developer
 - Web3 Engineer
 - Smart Contract Developer
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6. UI/UX Design & Product Management

Best Courses:

- **Google UX Design Certificate** – Coursera
- **UI/UX Design Specialization** – CalArts (Coursera)
- **Product Management: From Idea to Market** – Udemy

High-Paying Roles:

- UX Designer
 - Product Manager
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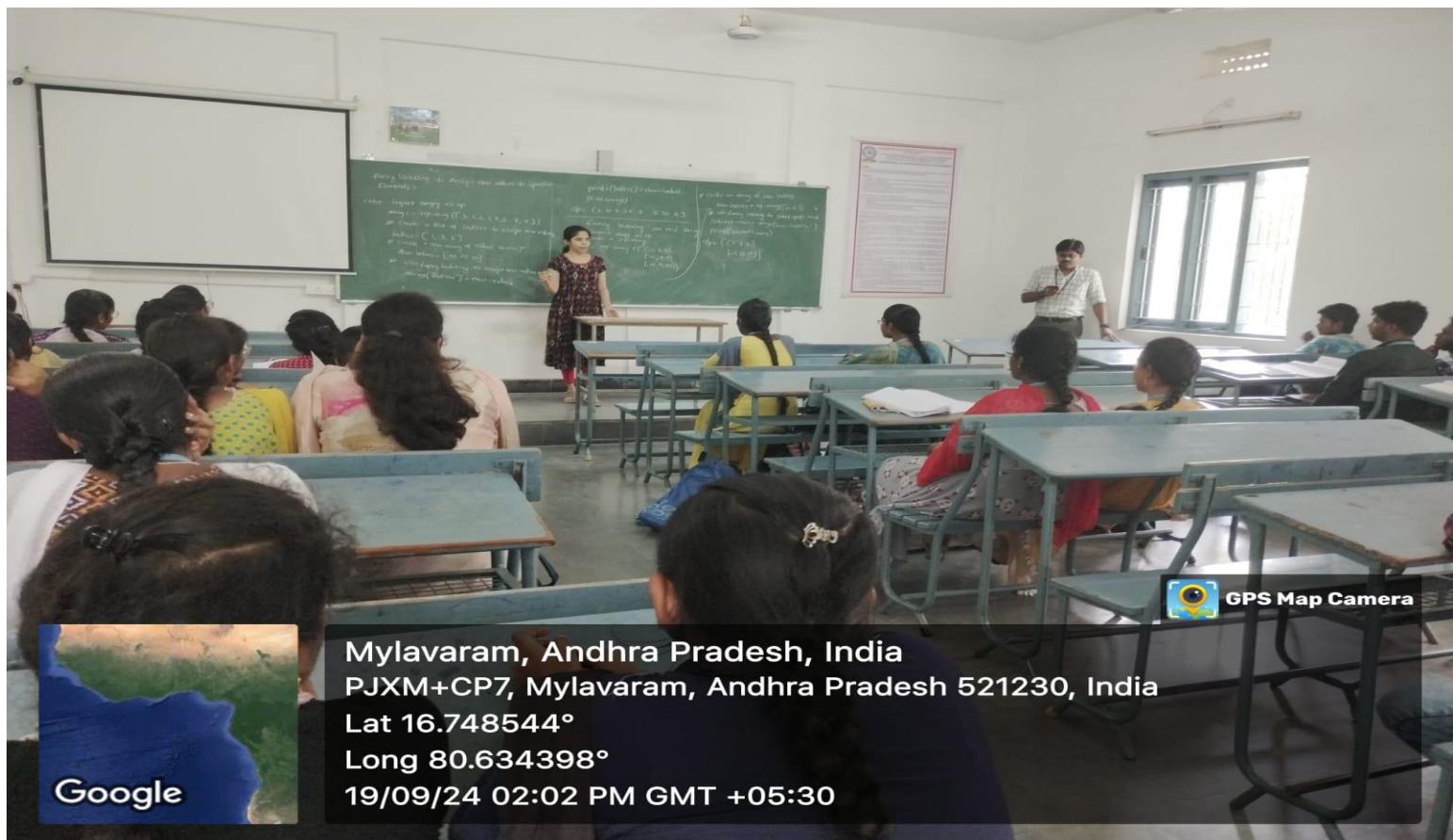
7. Finance, Stock Market & Business Analytics

Best Courses:

- **Financial Markets** – Yale (Coursera)
- **Investment Banking & Financial Modeling** – Udemy
- **Google Business Intelligence Certificate** – Coursera

High-Paying Roles:

- Investment Banker
- Financial Analyst



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 (Mr.O.V.SIVA)

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