

FLOW CHART OF C PROJECT



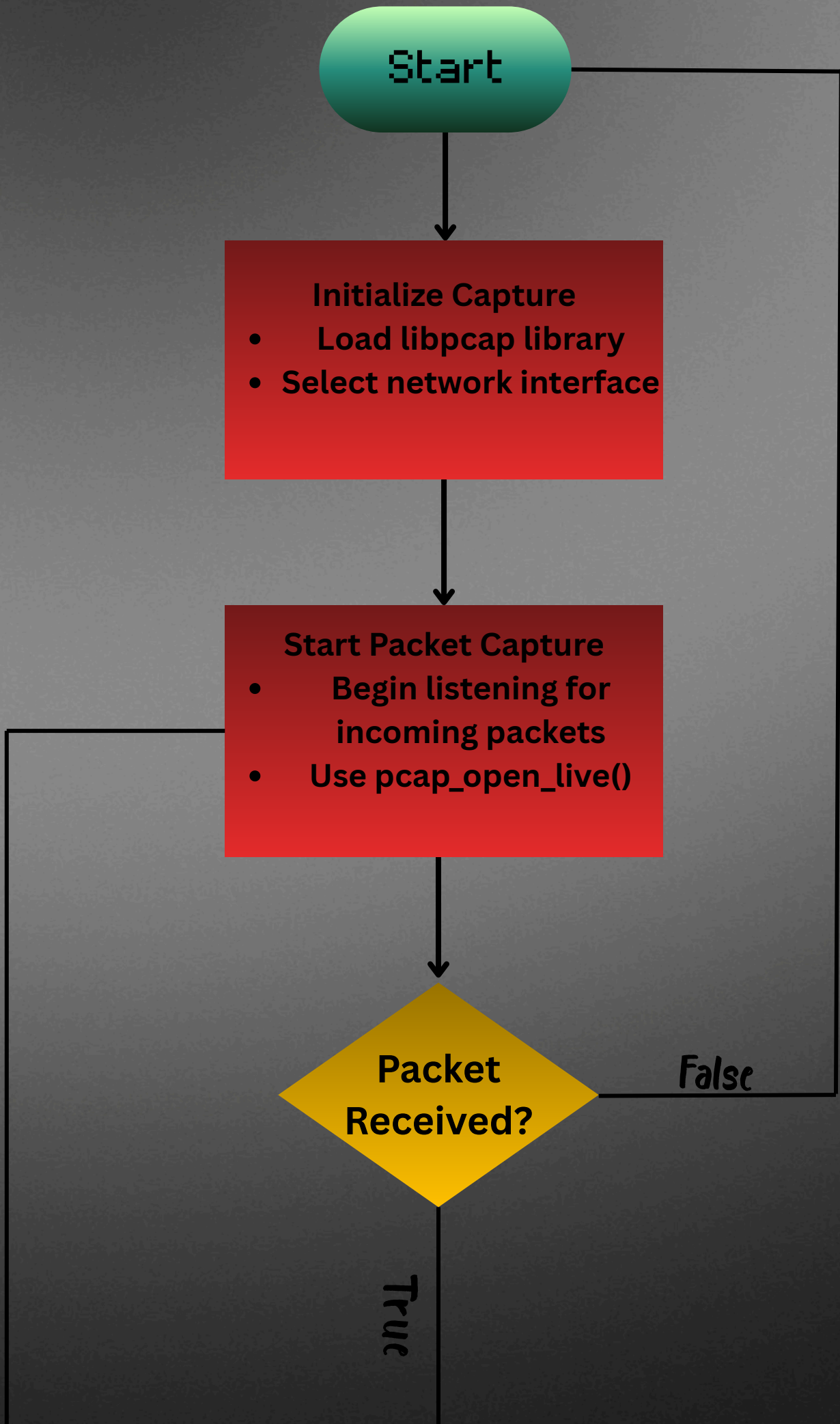
Class: B.Tech – CSE (Ist Year) BATCH 9

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Flow Chart



```
graph TD; A[Analyze Packet] --> B[Filter Packets]; B --> C[Generate GUI Output]; C --> D[Display GUI Output];
```

Analyze Packet

- Extract header + payload
- Identify protocol (TCP/UDP/IP)
- Store in structures / arrays

Filter Packets

- Apply filters (e.g. TCP only)
- Use conditions / switch
- Count categorized packets

Generate GUI Output

- Save live packet info to a temporary file (e.g. packets.csv)
- GUI tool(Grafana) automatically reads this file

Display GUI Output

- GUI shows real-time traffic visualization
 - Normal traffic → Green line
 - High traffic → Red spikes
- Graph updates continuously while file changes

