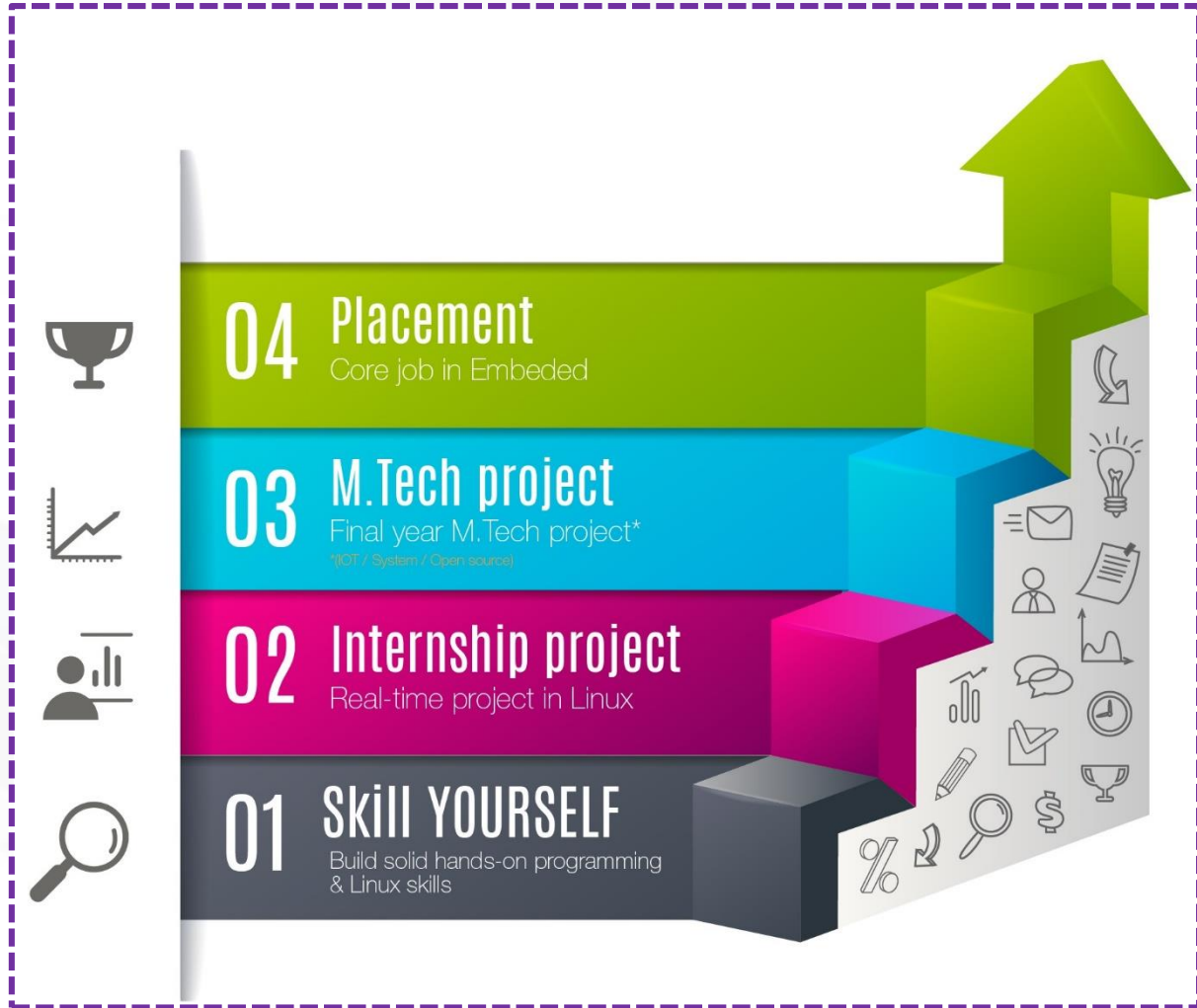


M.Tech Internship

YOUR Gateway for getting a CORE Job



M.Tech Internship program - Overview



- **Three phase approach:** Unique combination of Internship with project + M.Tech project + Industry placements
- **Smart-choice:** Utilize second year to the best, gain edge over your class-mates
- **Project guidance:** Technical guidance, Report review and implementation support
- **Core job:** Achieve the dream of landing in CORE Embedded systems job
- **College alignment:** All certificates / assessment as per your college needs





Phase-1: Internship with project

- Linux exposure & Hands-on programming with Advanced C
- Implement project in iterative life-cycle model**
- Project code & Reports review by experts
- Internship certificate with grade

3rd Semester (4 months*)



Phase-2: M.Tech project

- Project specific module covered
- Implementation support
- Project code & Reports review by experts
- Professor interfacing and assessment sharing as per the college guidelines

4th Semester (6 months)



Phase-3: Industry placements

- Remaining module completion
- Placement coaching
- Leverage DISHA ecosystem
- Placement process and interview starts

Post degree (3 months)

** Duration customizable as per your college needs*

*** Refer to industry practice detailed page*



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Internship projects - Typical sample list

| Title | Domain | Brief |
|-----------------------|----------------------|---|
| Image Steganography | Security | Concealing a message within an image with LSB mechanism |
| MP3 tag reader | Media | Parse and analyze various tags of MP3 files |
| Lexical analyzer | Compiler design | Tokenization of given input for syntax checking |
| Cscope implementation | Compiler design | Developer tool for browsing C source code for symbols |
| Line editor | Consumer electronics | Command line interface with backend processing |
| Text indexer | Telecom | Efficient search algorithm for large data |

Our mentoring team will help you to choose the appropriate internship project & guide you to do the implementation. YOU will have a working version of the project to demonstrate for your internship.



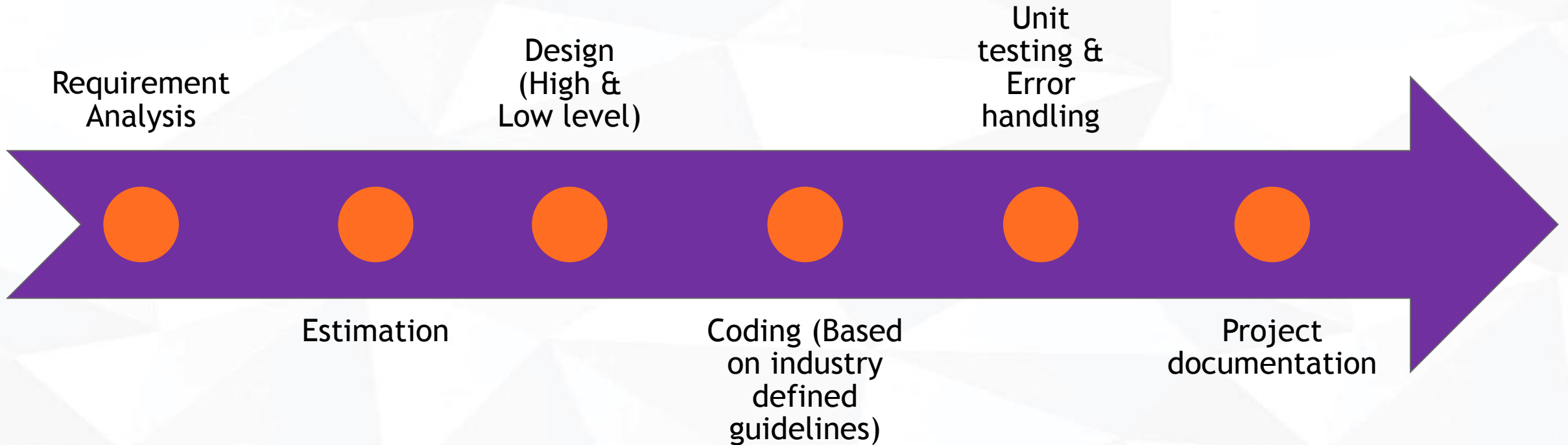
M.Tech projects - Focus Areas

| Focus Area | Project coverage areas |
|--------------------------|--|
| Internet-Of-Things (IoT) | PIC based devices programming. Machine-To-Machine (M2M) solutions for different domains (ex: Manufacturing / Healthcare). Both Embedded & Application aspects covered |
| Embedded Linux | ARM platform based Embedded Linux development, Kernel tuning, Kernel customization, Linux Kernel booting ecosystem, Open source HW platforms, Application porting to Embedded Linux |
| Linux based applications | Linux multi-tasking applications, TCP/IP based network protocols, Implementation of Linux system calls, Multi-tasking based remote diagnostics, Network packet generator ecosystem, Open source SW platforms |

- Exact project topic selection is expected to be done by YOU (with consultation with your professors)
- Our mentoring team will assist you in implementing the project as per requirements



Learn standard industry practices



Each project YOU implement will follow standard industry practices, followed in any real time embedded product development. Get prepared by implementing them hands-on!



Mentor guidance & Support ecosystem



Hands-on training

(Deep subject coverage, Lab guidance)



Interfacing with YOUR professors

(Assessments, External viva etc.)



Project implementation guidance

(Design/code review, Debugging, Standard practices)



Reports review

(Project reports/presentation review as per quality standard)



DISHA ecosystem

(Resume/interview preparation, Placement coaching etc..)



Career possibilities

Verticals

Aeronautical

Automotive

Consumer
electronics

Telecom

IoT

Automation

Storage

Testing and validation

Tuning, Customization, Bug fixing

Application development

OS bring-up, porting

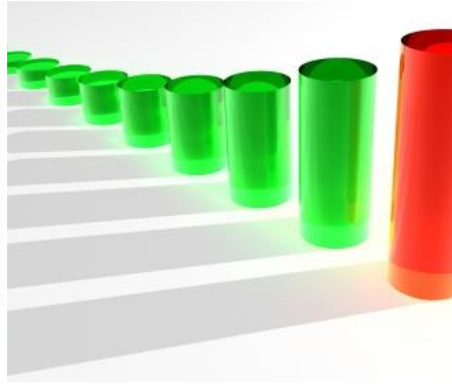
Board bring-up, Device driver development



Gain the real EDGE!



Learn from the BEST -
Longer term
association with our
mentors!



Put yourself AHEAD in
job market as you are
highly skilled by the
end of M.Tech



Minimum 5 interview
chances. Leverage our
DISHA ecosystem



Build a long term
career in CORE
embedded domain



CORE JOB is no longer Elusive. Talk to us!



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