26G MENTOR-MENTEE TRAINING PLAN

NOV 2017 – NOV 2019

DATE: DEC 25, 2018
MENTEE: KHA TRAN (2042)
MENTOR: LOC PHAM (1870)
INDUSTRIAL SOFTWARE SOLUTION GROUP
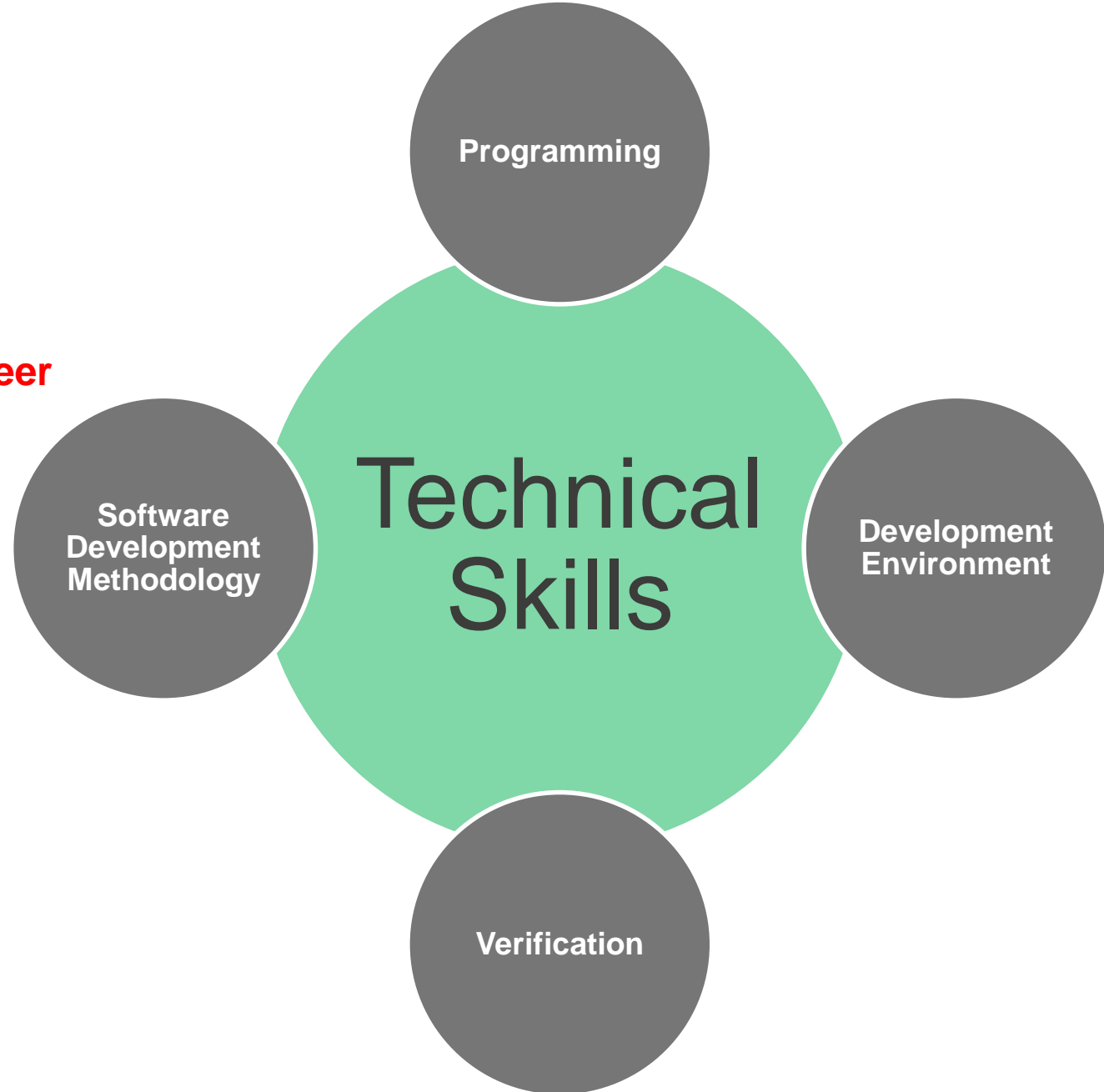RZ/G PROJECT

BIG IDEAS
FOR EVERY SPACE

RENESAS
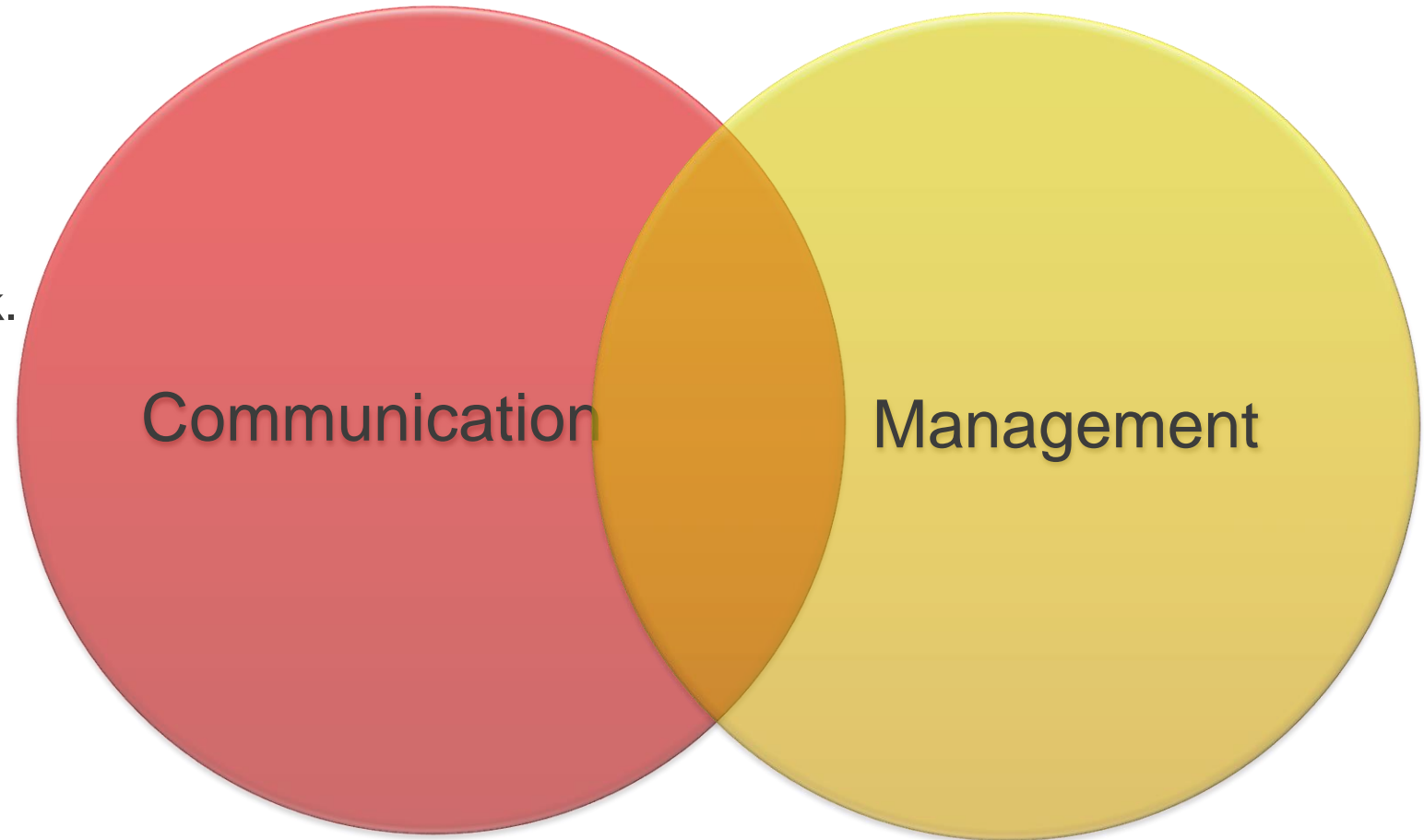
AGENDA

RENESAS

AGENDA

TRAINING TARGET (1/2)

Main target: Become **Coding Engineer**

TRAINING TARGET (2/2)

✓ Effective **communication** at work.

✓ Effective workflow **management**.

SOFT SKILLS

Communication

Management

RENESAS CONFIDENTIAL

BIG IDEAS FOR EVERY SPACE

RENESAS

AGENDA
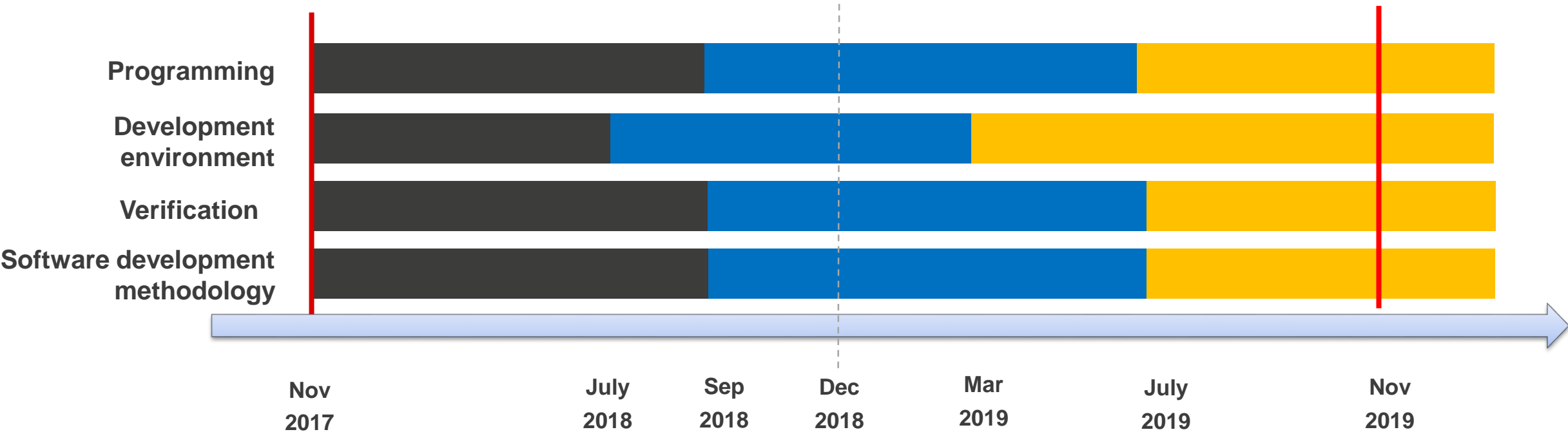
BIG IDEAS FOR EVERY SPACE

RENESAS

CURRENT STATUS

Need more time to investigate and understand input. Can do simple tasks with helps from mentor. Need mentor to monitor output from mentee and verify mentee's knowledge.	**Level 1**
Can do similar tasks with small helps from mentor or other members. Can do new tasks, but need helps from mentor	**Level 1.5**
Can do similar tasks without helps from mentor or other members. Can do task independently with hints and suggestions from mentor or other members	**Level 2**

First presentation   **Mid-term presentation**   Final presentation

Programming

Development environment

Verification

Software development methodology

Nov 2017	July 2018	Sep 2018	Dec 2018	Mar 2019	July 2019	Nov 2019

BIG IDEAS FOR EVERY SPACE

RENESAS

TECHNICAL SKILLS

CODING ENGNEER

Programming

- Have good knowledge about C language and bash scripts when doing porting drivers/modules task in Linux such as: u-boot, watchdog timer…,etc.
- Have basic knowledge about C++ language when doing IMR modules.
- Have basic knowledge about Java language when doing Android task.

Development environment

- Can understand and modify recipes of RZ/G environment in Yocto.
- Have knowledge about Android framework (AOSP) such as: Android kernel, libraries, Application framework, Android runtime, Applications.

BIG IDEAS FOR EVERY SPACE
RENESAS

Verification

- Have intermediate skills in debugging method, can use some ways to debug such as: using lauterbach debugger to read/write runtime, non-runtime register to analyze and fix bugs, using PVR_tune for android to analyze CPU, memory load, using some simple debug function like printk, pr_info to debug simple issue on Linux…,etc.

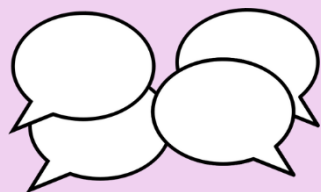**Software development Methodology**

- Always try to make schedule like below: Investigate requirement and documents => create draft feature list or which need to do => Confirm which feature is really needed to do => break feature into as small possible to do => develop => Finish developing => Testing => Bug-fixes =>Release!
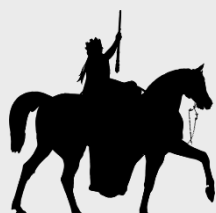- Follow and do step by step carefully.

CURRENT STATUS(3/3)
SOFT SKILLS

Communication

- Can communicate well with others colleague.
- Can explain my idea clearly to others colleague understand.
- Improve more about communication by discussing with REL when doing IMR task.
- For English, reading skill is acceptable. Listening and writing skill need to improve more.

Management

- When doing Android task, I had a chances to work with small team(2 members). I and my teammate try to assign and arrange each item in this task and cross check. It helps me improve time management skill
- After 1 year, I can create and define the target for my task and also can break the schedule into small parts and keep deadline.

BIG IDEAS FOR EVERY SPACE

RENESAS

AGENDA

BIG IDEAS FOR EVERY SPACE

RENESAS

DIFFICULTIES & SOLUTIONS (#1)

- **Category:** **Programming**

- **Problem:** All tasks are mainly porting. Logic thinking about the algorithm to develop is decreased.

- **Impact:** With some complex feature/function, I must take more time to develop/create it.

- **Mentor's action items**: Suggest new books, useful learning sources online to improve skill.

- **Mentee's action items:** Follow mentor's guidance, usually refer result from others colleague to learn new way, new algorithm to improve logic thinking.

RENESAS CONFIDENTIAL

BIG IDEAS FOR EVERY SPACE

RENESAS

DIFFICULTIES & SOLUTIONS (#2)

- **Category:** **Development environment**

- **Problem:** The development environment is too big and complex. Especially for Android framework. I can not understand clearly about it.

- **Impact:** For some bugs/issues, It requires deep knowledge. I must learn and investigate more to understand the structure of environment to analyze/fix issues.

- **Mentor's action items**: Share debug tools, help to debug and share useful ways to debug easier.

- **Mentee's action items:** Spend a few hours to investigate each part of development environment to understand clearly.

BIG IDEAS FOR EVERY SPACE

RENESAS

DIFFICULTIES & SOLUTIONS (#3)

- **Category:** Management

- **Problem:** Sometimes, Can not keep schedule due to difficult issue.

- **Impact:** Must work overtime to cover the difficult issue and keep schedule.

- **Mentor's action items**: Support for urgent issue. If not urgent, share experience to mentee handle issue. If mentor does not know about this task, mentor will assign mentee to experienced engineer to get support.

- **Mentee's action items:** For some difficult issues, try to learn and investigate more. Think about more ways and try it one by one. Do not just depend on mentor supported. If mentee still can not find anyway to handle, raise issue to get more support from mentor and all of team members to handle issues.

RENESAS

AGENDA

COMMITMENT

- **TARGET**

  - Become coding engineer **level 2** by **Nov 2019**.

- **ABILITIES AFTER 2 YEARS**

  - Can do the job without any help, if it is within certain degree of difficulty.

  - Be able to manage work and communicate with team effectively.

  - Support teammate in their work.

  - Can suggest solutions for tasks in RZ/G team.

- **ACTION ITEMS**

  - Improve technical skills and soft skills.

  - Follow mentor instruction and guidelines.

BIG IDEAS FOR EVERY SPACE

RENESAS

Q & A

RENESAS CONFIDENTIAL   BIG IDEAS FOR EVERY SPACE   RENESAS

THANK YOU FOR YOUR ATTENTION

RENESAS CONFIDENTIAL

BIG IDEAS FOR EVERY SPACE

RENESAS