

23G MENTOR MENTEE TRAINING PLAN

MAY 2016 - MAY 2018

26/07/2016

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RENESAS DESIGN VIETNAM CO., LTD

AGENDA

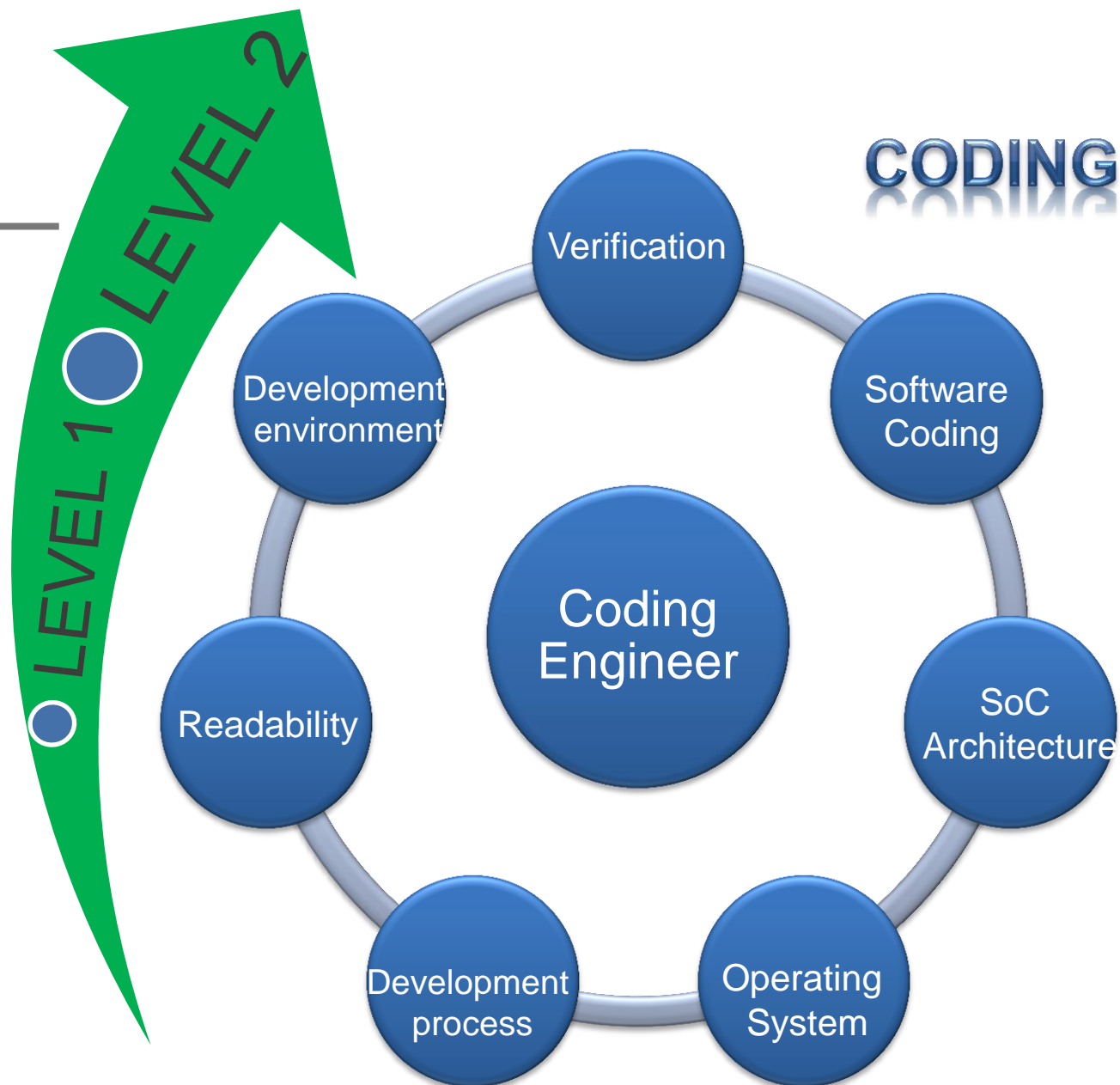
- Target **Page 03**
- Current status **Page 09**
- Analysis and solution **Page 12**
- Training plan **Page 13**
- Summary **Page 16**

AGENDA

▪ Target	Page 03
▪ Current status	Page 06
▪ Analysis and solution	Page 09
▪ Training plan	Page 13
▪ Summary	Page 16

TARGET
MAIN ROLE

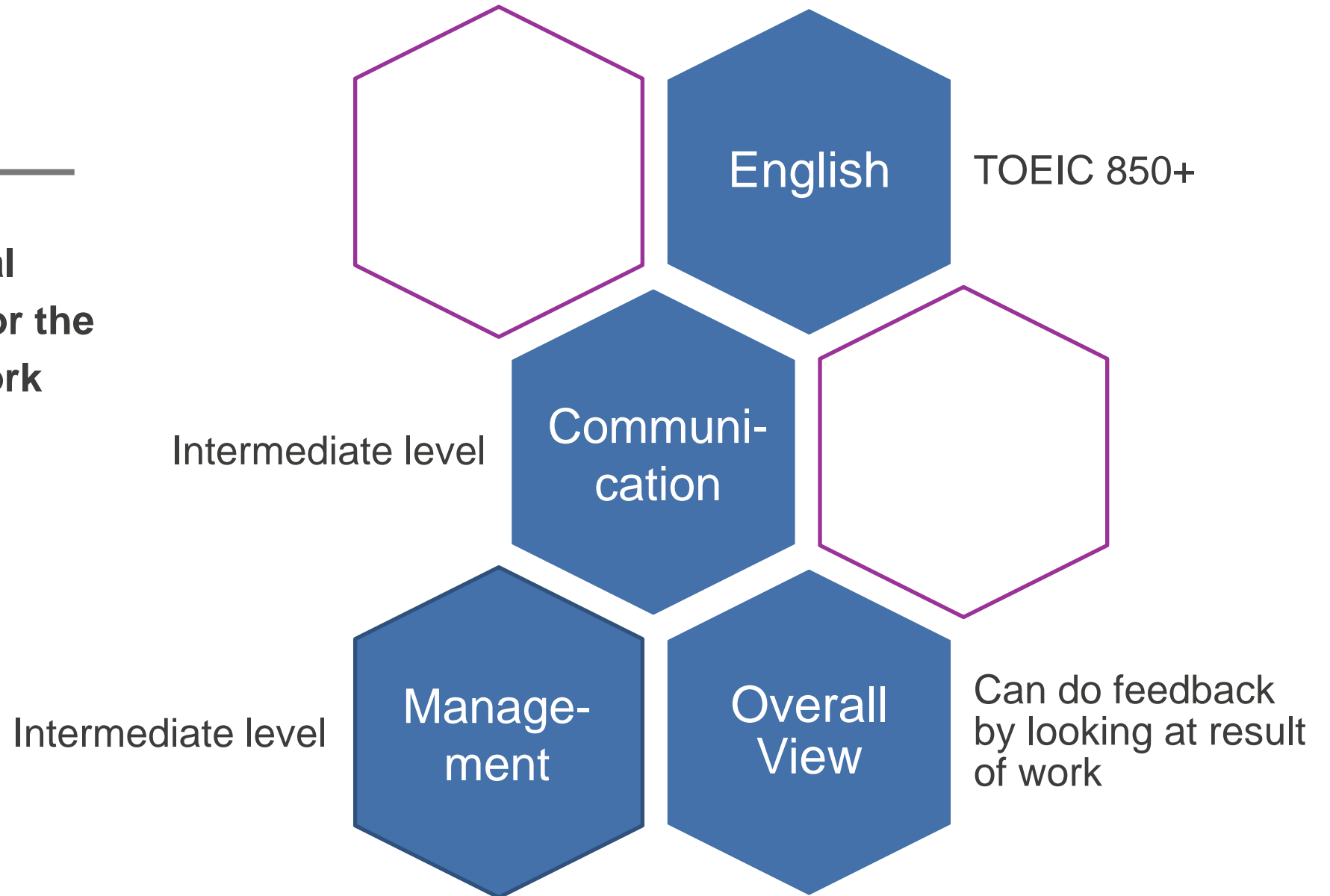
CODING ENGINEER



TARGET

SOFT SKILLS

- Having essential support skills for the professional work environment



AGENDA

▪ Target	Page 03
▪ Current status	Page 06
▪ Analysis and solution	Page 09
▪ Training plan	Page 13
▪ Summary	Page 16

CURRENT STATUS

TECHNICAL SKILLS

Skill	Current ability	Level
Verification/Failure analysis	- Can analyze simple failure but need support for complex cases.	1
Software coding	<ul style="list-style-type: none"> - Have knowledge of C and basic knowledge of C++, Python, bash - Can create program based on the basic design document. - Can review simple created code 	1
SoC architecture	- Be able to read hardware manual , block diagram and circuit schematic	1
Operating System	- Have basic knowledge about Operating system	1
<i>Development Process</i>	- Have <i>basic knowledge</i> of development process	1
Readability	- Coding without following standard and technique for improving the source code.	1
<i>Development environment</i>	- Have basic knowledge about Linux, <i>Yocto</i> and <i>Gstreamer</i> and SoC architecture.	1

CURRENT STATUS

SOFT SKILLS

Skills	Current ability	Level
English	<ul style="list-style-type: none">- Can speak with normal and simple sentences- Can read English documents which are not too complex.- Can write some simple document.	TOEIC 550
Communication	<ul style="list-style-type: none">- Can explain work/issue to people who have related knowledge and information (supervisor)	Beginning
Overall View	<ul style="list-style-type: none">- Can do basic work under supervisor's instruction	Beginning
Management	<ul style="list-style-type: none">- Can keep assigned schedule	Beginning

AGENDA

▪ Target	Page 03
▪ Current status	Page 06
▪ Analysis and solution	Page 09
▪ Training plan	Page 13
▪ Summary	Page 16

ANALYSIS AND SOLUTION

TECHNICAL SKILLS

Skill	Gap	Root-cause	Mentee AI	Mentor AI
Verification/ Failure analysis	- Cannot know root cause of complex failures.	- Lack of experiences	- Investigate the test report and System Verification Specification.	- <i>Support, provide hint direction and debug methods</i>
Software coding	- Lack of C++, python, bash programming experience - Lack of reading design document experience	- Have no chance to practice	- Practice during implement related tasks - Investigate more in the spare time	- <i>Provide guide line, example design and source code</i>
SoC architecture	- Do not familiar with assigned product (RZ/G1)	- Because I'm new	- Investigate hardware manual - Practice with the new SoC	- <i>Provide related documents and check the investigation report</i>
Operating System	- Lack of experience to work with OS kernel	- Have no chance to practice	- Investigate architecture and operation of operating system	- <i>Provide related documents and share some related experience</i>

ANALYSIS AND SOLUTION

TECHNICAL SKILLS

Skill	Gap	Root-cause	Mentee AI	Mentor AI
Development Process	- Can not follow the development process flow.	- lack of knowledge.	- Apply the V-model into assigned task (practice from simple to complex project).	- <i>Evaluate the output and proposal of mentee.</i>
Readability	- Do not familiar with some rule in RVC coding standard.	- Lack of knowledge.	- Review and provide source code more strictly and readable. - Investigate related documents.	- <i>Give comments and feedback about the mentee's source code.</i>
Development environment	- Lack of Yocto, Gstreamer and Linux experience.	- Have no chance to practice.	- Investigate and practice Yocto, gstreamer and Linux. - Investigate all bug occur for deeply understand.	- <i>Comment & feedback the investigation report of mentee.</i>

ANALYSIS AND SOLUTION

SOFT SKILLS



Skill	Gap	Root-Cause	Mentee AI	Mentor AI
English	<ul style="list-style-type: none"> - Can not speak English clearly and fluently. - Can not recognize some words in technical training or meeting. - Can not write emails, reports, documents correctly and promptly. 	<ul style="list-style-type: none"> - Lack of vocabulary and grammar knowledge. - Lack of experience 	<ul style="list-style-type: none"> - Perform “Morning speak”. - Self study. - Practice frequently. 	<ul style="list-style-type: none"> - <i>Correct English mistake of Mentee in report and output document.</i> - <i>Support mentee if he hard understand in meeting or technical training.</i>
Overall view	<ul style="list-style-type: none"> - Don’t know overall activity of group. 	<ul style="list-style-type: none"> - New engineer. 	<ul style="list-style-type: none"> - Pay attention with reports, conversation and information of group. 	<ul style="list-style-type: none"> - <i>Explain group information/activity to mentee if mentee require.</i>
Communication	<ul style="list-style-type: none"> - Can’t clearly explain/report work/task for other colleagues in team. 	<ul style="list-style-type: none"> - Lack of experience 	<ul style="list-style-type: none"> - When investigating something, always care to explain/report problem. - Practice with other colleagues in team. 	<ul style="list-style-type: none"> - <i>Give opinions and share experience.</i>
Management	<ul style="list-style-type: none"> - Don’t have a method to alarm for schedule. 	<ul style="list-style-type: none"> - Lack of experience and knowledge. 	<ul style="list-style-type: none"> - Using calendar service of Renesas for important task. 	<ul style="list-style-type: none"> - <i>Share experience in using this tool.</i>

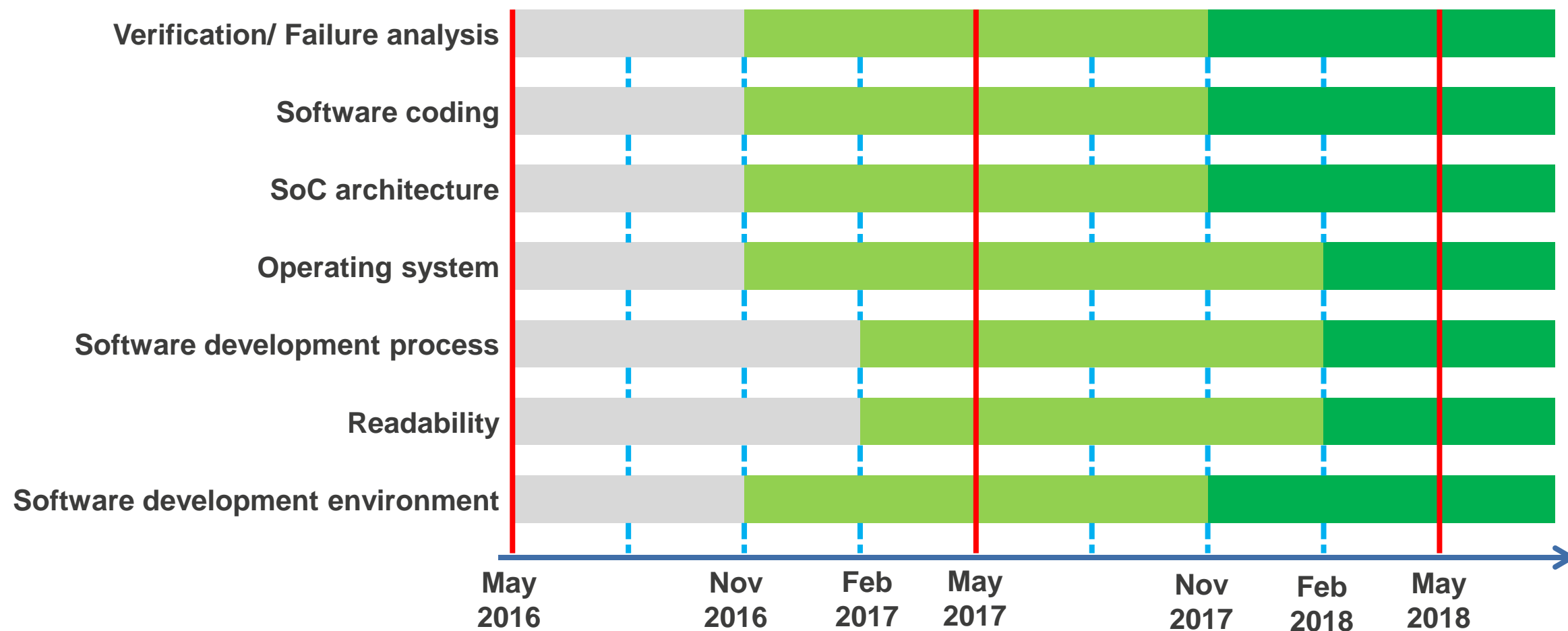
AGENDA

▪ Target	Page 03
▪ Current status	Page 06
▪ Analysis and solution	Page 09
▪ Training plan	Page 13
▪ Summary	Page 16

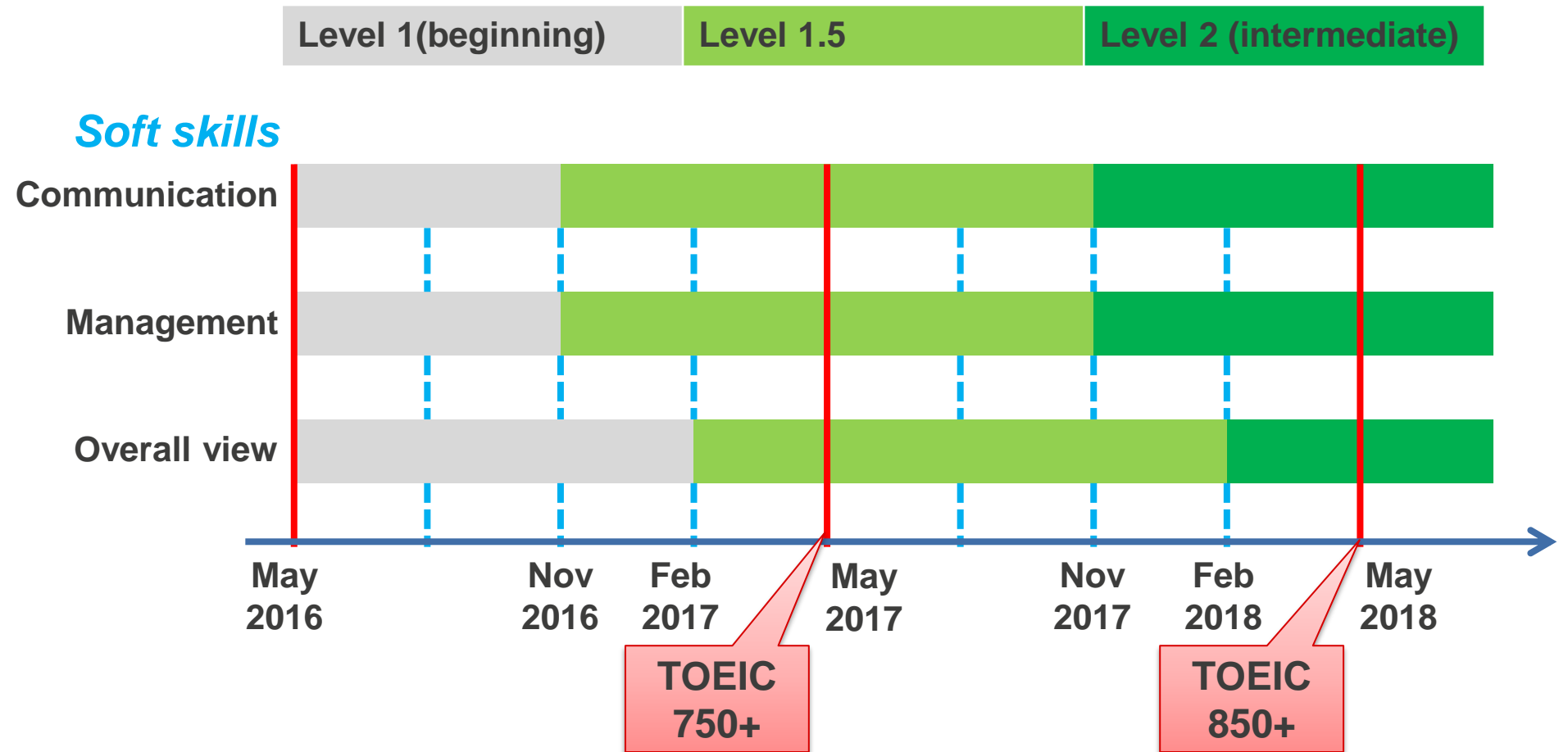
TRAINING PLAN



Technical skills



TRAINING PLAN



AGENDA

- Target Page 03
- Current status Page 06
- Analysis and solution Page 09
- Training plan Page 13
- **Summary Page 16**

SUMMARY

- **TARGET**

- Become ***coding engineer level 2*** -> All technical skills reach level 2
- Having essential support skills for the professional working environment

- **ABILITIES**

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

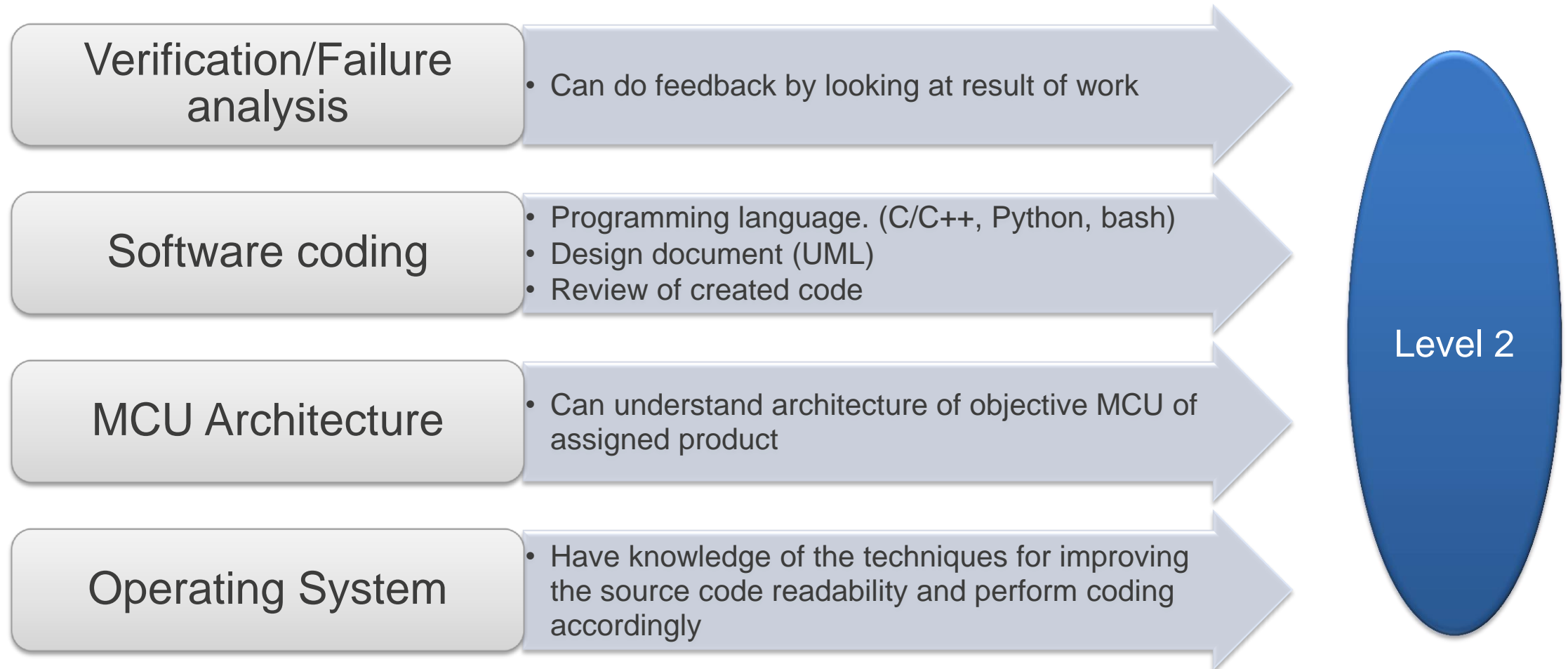
- **ACTION ITEMS**

- Follow mentor instructions and guidelines.
- Self practice and investigate to improve skill and knowledge.
- Make plan for assigned task by self.

Thank you for your attention

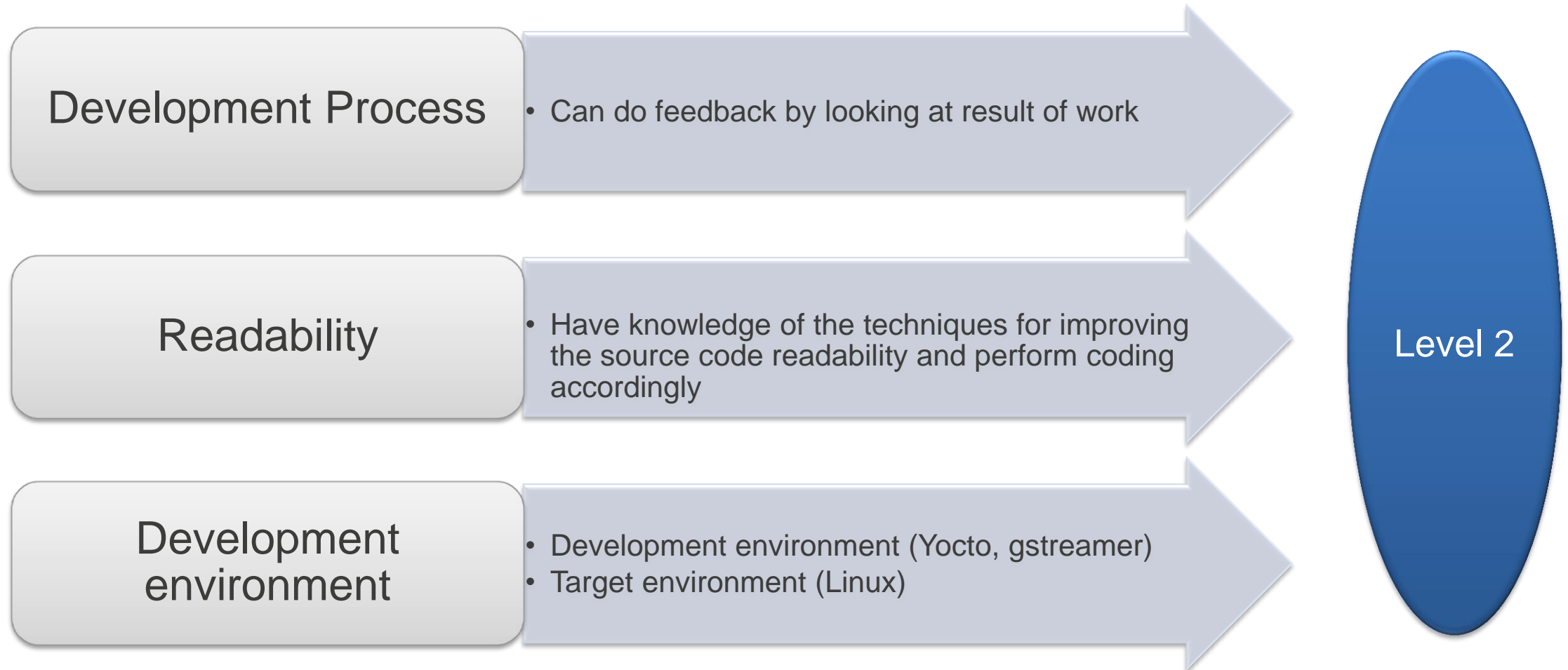
APPENDIX

CODING ENGINEER



APPENDIX

CODING ENGINEER



APPENDIX

Skill	Target	Define target
Communication	Intermediate level	- Can explain/report work status in team
Time management	Intermediate level	- Can keep schedule and raise alarm if necessary
Overall View	Can do feedback by looking at result of work	<ul style="list-style-type: none">- Know overall activity of group- Can do feedback by looking at result of work