

On-Demand Learning

Quick Reference Guide

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Wind River Productivity Pass

Wind River Productivity Pass is the perfect choice for busy engineers who are already familiar with Wind River products. Our catalog of on-demand courses includes highly advanced and specialized topics that help solve some of the toughest challenges in designing state-of-the-art intelligent systems.

Wind River Productivity Pass includes the following:

- Unlimited access to our entire on-demand catalog for one full year
- 24/7 support for using the online materials
- Advanced and specialized tutorials
- Quick Tip videos
- Leading-edge technology overviews
- Downloadable how-to guides
- New courses and resources that become available during your subscription, with no added charge
- Access to a mentor who is an experienced Wind River engineer

Use Wind River Productivity Pass to start building your expertise today.

Terms of Use

The materials on this site are made available for your use only, through an agreement between Wind River and your employer. You are not allowed to copy, change, distribute, or sell any of the materials without Wind River's permission.

Access to the material is allowed through login information that is personal to you. You should not share your login information with anyone else.

If you have any questions about the material or this site, please contact us at training@windriver.com.

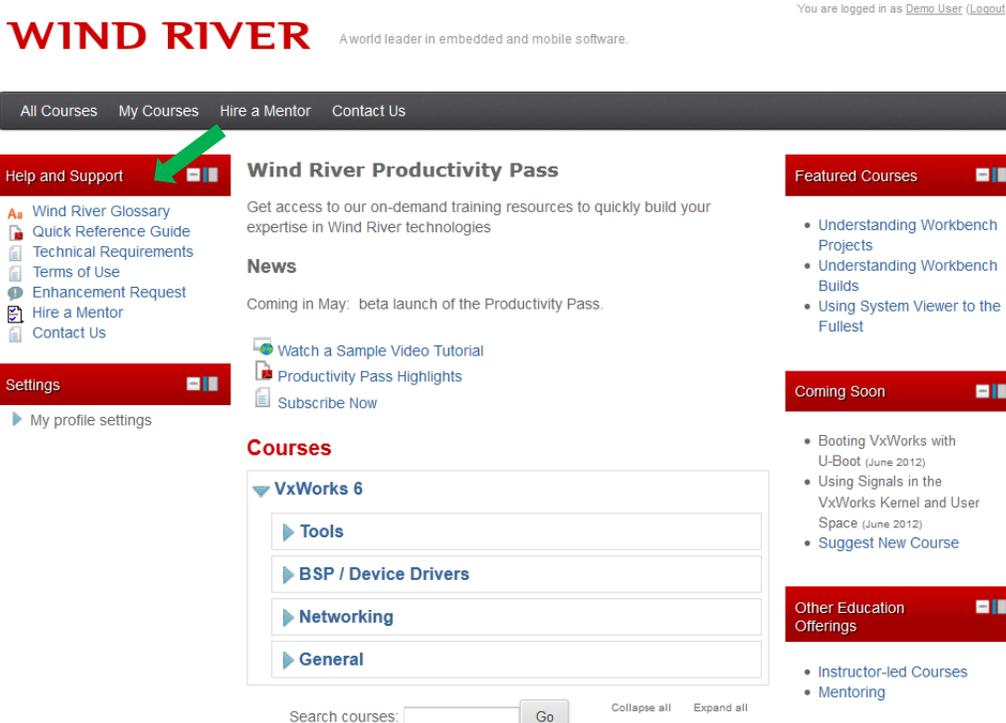
Technical Specifications

- Minimum screen resolution of 1280x720 for widescreen display or 1280x960 for 4:3 standard display
- Firefox 3.0 or above (recommended), Internet Explorer 7 or above, Safari 4 or above, or Google Chrome 11 or above
- Browser set to display full-screen
- Adobe Flash plug-in
- JavaScript and Cookies must be enabled
- Microsoft Windows XP SP3, Microsoft Windows Vista, Microsoft Windows 7
- An internet connection of 768 kbps or greater

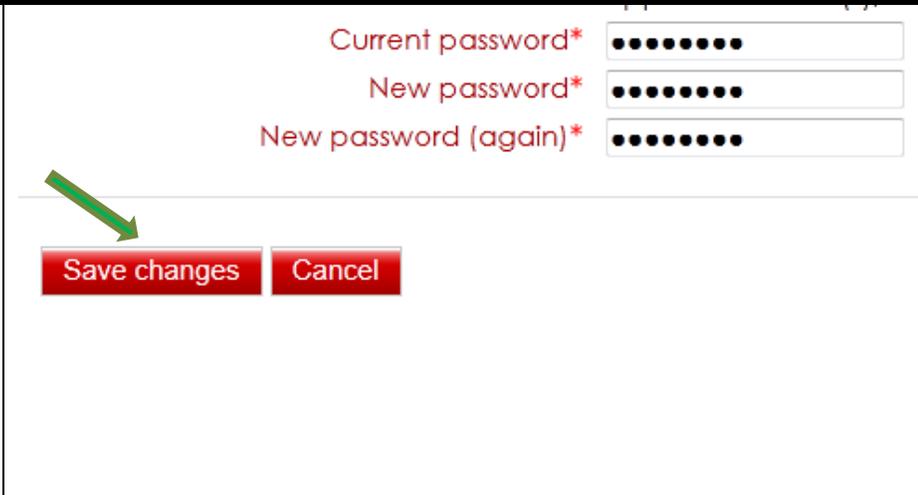
Help and Support

Log in or click on [Home](#) to access the [All Courses](#) page.

View the Help and Support Section

Actions	Screenshot
<p>Go to Help and Support to find useful information including the Wind River glossary, technical terms, terms of use or how to contact us.</p>	 <p>The screenshot shows the Wind River website interface. At the top, the logo "WIND RIVER" is displayed with the tagline "A world leader in embedded and mobile software." Below the logo is a navigation bar with links for "All Courses", "My Courses", "Hire a Mentor", and "Contact Us". The "Help and Support" link is highlighted with a red box and a green arrow. Below the navigation bar, there are several sections: "Help and Support" with links to "Wind River Glossary", "Quick Reference Guide", "Technical Requirements", "Terms of Use", "Enhancement Request", "Hire a Mentor", and "Contact Us"; "Settings" with a link to "My profile settings"; "Wind River Productivity Pass" with a description and a "Watch a Sample Video Tutorial" link; "News" with a "Coming in May" announcement and a "Subscribe Now" link; "Courses" with a dropdown menu for "VxWorks 6" containing "Tools", "BSP / Device Drivers", "Networking", and "General"; "Featured Courses" with a list of courses; "Coming Soon" with a list of upcoming courses; and "Other Education Offerings" with a list of offerings. At the bottom, there is a search bar for courses and a "Go" button.</p>

Change my Password

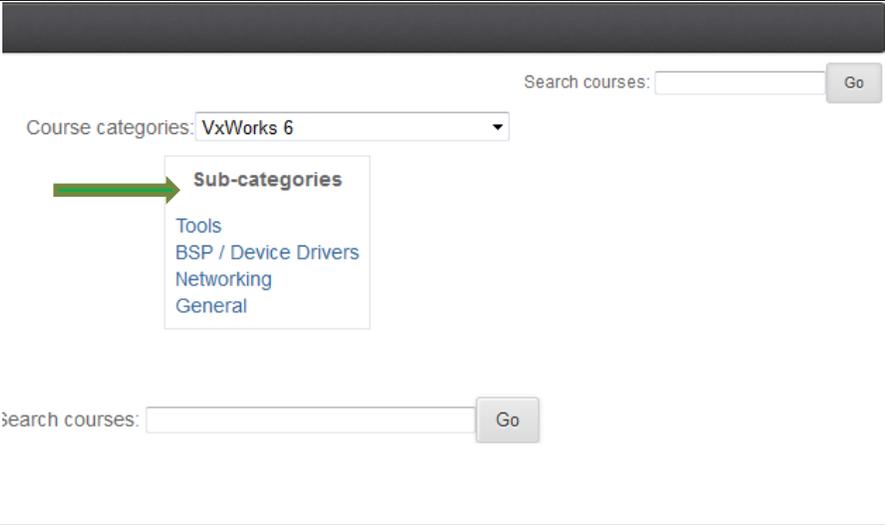
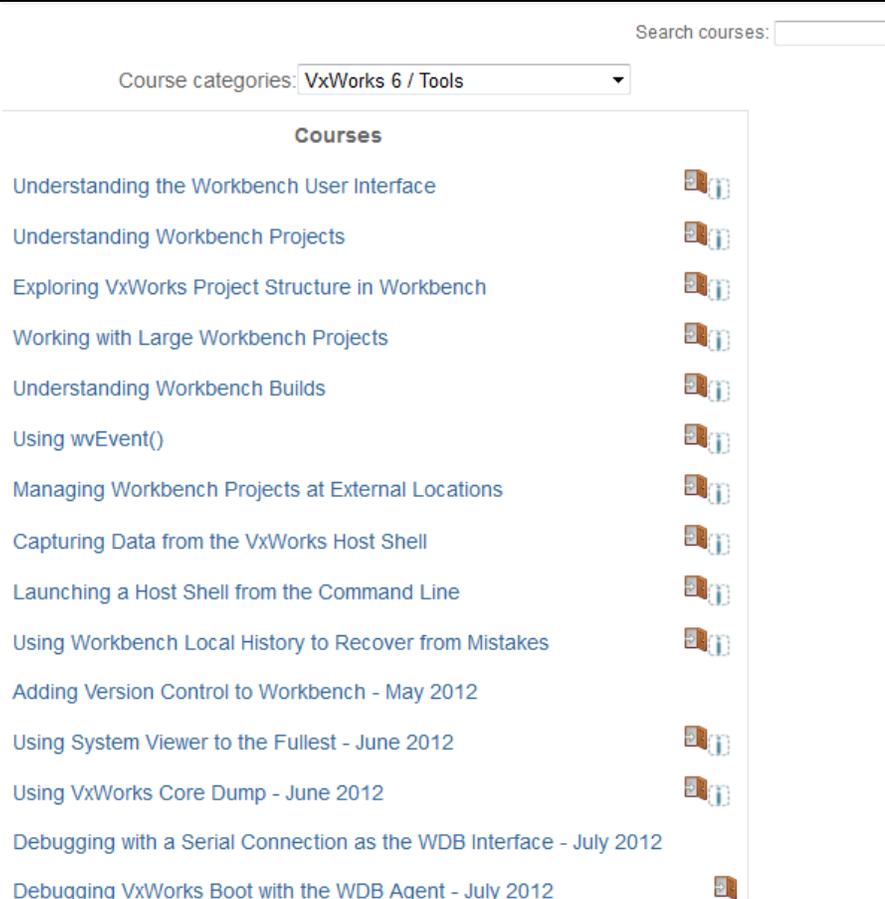
Actions	Screenshot
<p>Go to Settings => My profile Settings => Change password</p> <p>Click Save changes when you are done</p> <p>Important note: The password must have at least 6 characters, at least 1 digit(s), at least 1 lower case letter(s), at least 1 upper case letter(s),</p>	 <p>Current password* <input type="password"/></p> <p>New password* <input type="password"/></p> <p>New password (again)* <input type="password"/></p> <p>Save changes Cancel</p>

Courses

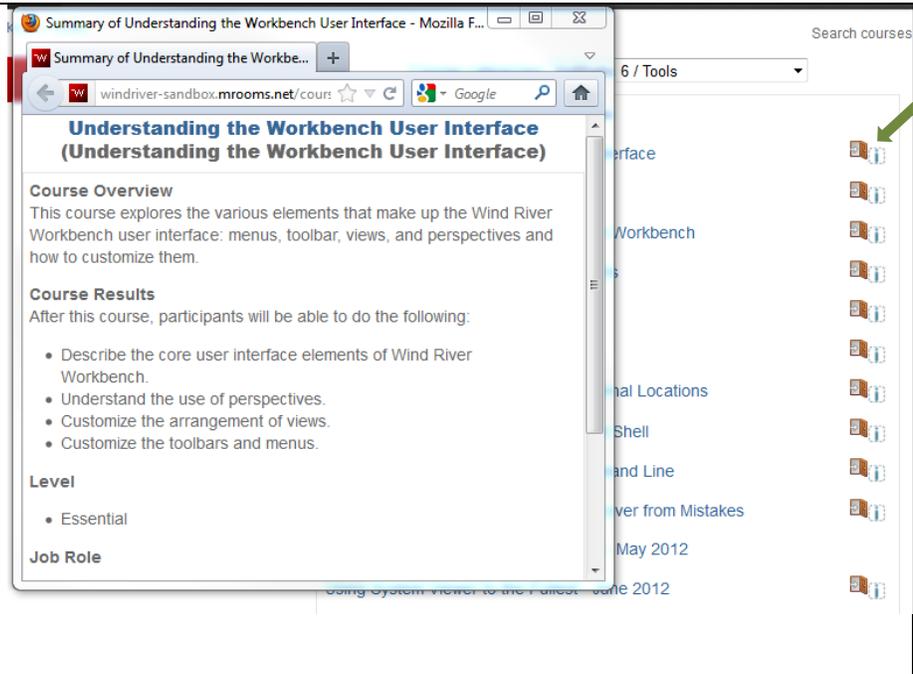
Our **Course Topics** are divided into several parts:

- Sections consisting of one video tutorial and one section quiz.
- Conclusion
- Downloadable and printable how-to guides
- Course quiz
- Feedback
- and Ask an Expert forum

View a Course Description

Actions	Screenshot
<p>On the All Courses main page go to the Courses section at the bottom.</p> <p>Select a course from the drop down menu in the "Course categories" field then select an option in the "Sub-categories" region.</p>	
<p>All current and upcoming courses related to the subcategory, such as "VxWorks 6/ Tools", will be listed.</p>	

Click the icon (i) to the right of the course name to display the course description.

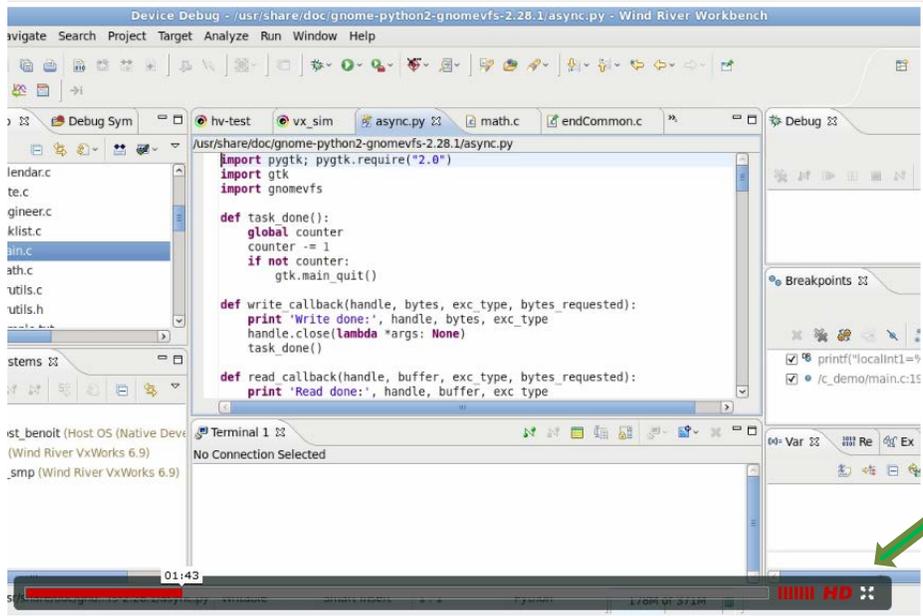
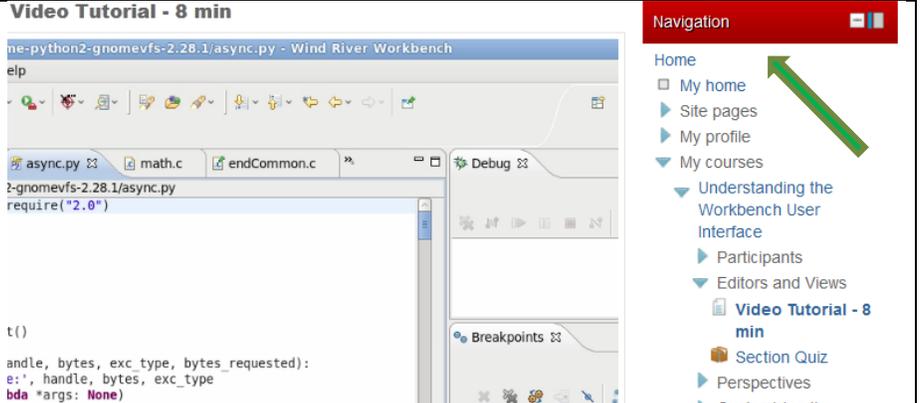


Add a Course to My Courses

You may enroll in any course you find helpful and interesting. Our courses do not require enrollment keys. You may unenroll from a course at any time and the course will automatically be removed from your list in "My Courses".

Actions	Screenshot
<p>When you have determined the course you would like to take click on the course name.</p>	
<p>In the Enrollment Options window click the Enroll me button.</p>	
<p>Courses you select will be added to your My Courses page.</p>	
<p>Click on any course in your list to start the training.</p>	

View Videos

Actions	Screenshot
<p>Click on "Video Tutorial" to begin watching the movie. It will open immediately.</p> <p>If you move your cursor inside the Video screen the play bar will appear at the bottom. Click the pause button on the left to pause playback. Click the play button to resume. Click the Full screen icon on the right to view the movie in Full Screen mode. To adjust the volume click the red bars next to the HD symbol.</p> <p>You may reposition the slider at any time while viewing the tutorial to move forward, backward or to a specific point.</p>	
<p>A Navigation bar opens to the right when you begin the video tutorial.</p> <p>You may click the links in this region to move through the course topics and sections.</p>	

Test your Knowledge - Section Quiz

Actions	Screenshot
<p>To begin the quiz press Enter or check the "Start a new attempt" button if you have already attempted the quiz before.</p> <p>If you submit the wrong answer you will be prompted to try again.</p>	<p style="text-align: center;">True/False</p> <p style="text-align: center;">Editors are used only to edit text and source.</p> <p><input checked="" type="radio"/> A) True <input type="radio"/> B) False</p> <div style="text-align: center; border: 1px solid yellow; padding: 5px; width: fit-content; margin: 10px auto;">Please try again</div> <p style="text-align: center; font-size: small;">Question 1 of 3</p> <div style="text-align: center; margin-top: 10px;">Clear Back Skip Submit</div>
<p>If you answer correctly, click anywhere or press 'y' to continue.</p>	<p style="text-align: center;">Choose the correct answer</p> <p style="text-align: center;">When using the "Show list" button to display files, how are the non-displayed files identified?</p> <p><input type="radio"/> A) File name in <i>italic</i> <input checked="" type="radio"/> B) File name in bold <input type="radio"/> C) File name has a star <input type="radio"/> D) None of the above</p> <div style="text-align: center; border: 1px solid green; padding: 5px; width: fit-content; margin: 10px auto;">Correct - Click anywhere or press 'y' to continue.</div> <p style="text-align: center; font-size: small;">Question 2 of 3</p> <div style="text-align: center; margin-top: 10px;">Clear Back Skip Submit</div>

Test your Knowledge - Final Course Quiz

Actions	Screenshot
<p>Click on Attempt quiz now and select your answers from the options provided.</p> <p>Click Next to proceed to the next page.</p> <p>Click Submit when you are ready to submit your choices.</p> <p>Once you press Submit you will no longer be able to change your answers for this attempt.</p>	<p>Question 2 Not yet answered Marked out of 1 You may create a binary semaphore that is accessible to, say, two of the four memory spaces in your application. Select one: <input checked="" type="radio"/> True <input type="radio"/> False</p> <p>Question 3 Not yet answered Marked out of 1 The C interpreter of the host shell is a useful tool for examining/debugging the multiple memory spaces in a VxWorks 6 application. Select one: <input type="radio"/> True <input checked="" type="radio"/> False</p> <p>Question 4 Not yet answered Marked out of 1 Which of the following statements are TRUE regarding a public binary semaphore? Select one or more: <input type="checkbox"/> a. The OM_CREATE option is typically used by the task that creates it. <input type="checkbox"/> b. The 32-bit ID value for the semaphore is different for each memory space. <input checked="" type="checkbox"/> c. You create one by using the semCreate() call. <input type="checkbox"/> d. The semGive/semTake dialog for a public binary semaphore is different from that of a private binary semaphore. <input type="checkbox"/> e. Once created, you gain access to it from another memory space via the semOpen() call.</p> <p>Next ←</p>

Download How-To Guides

Many of the courses include how-to guides, such as command references and task guides, which can be used to supplement the material presented in the video tutorials. These guides are located within the respective Course Topic sections following the Video Tutorial and Section Quiz. There is also a special **How-to Guides** section following the Conclusion of the course which contains additional resources. These guides can be downloaded or printed as required.

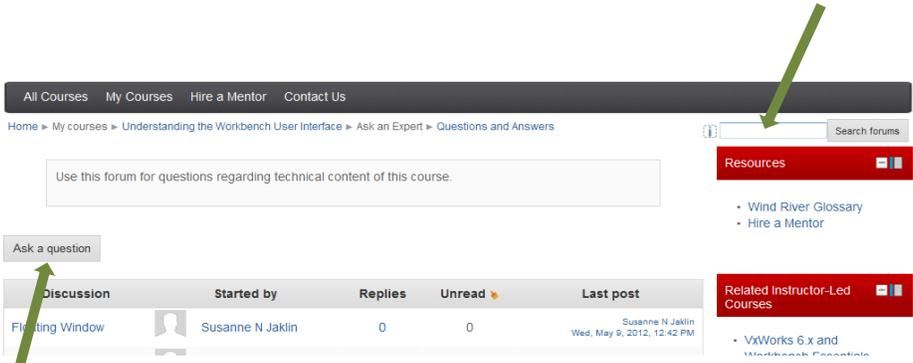
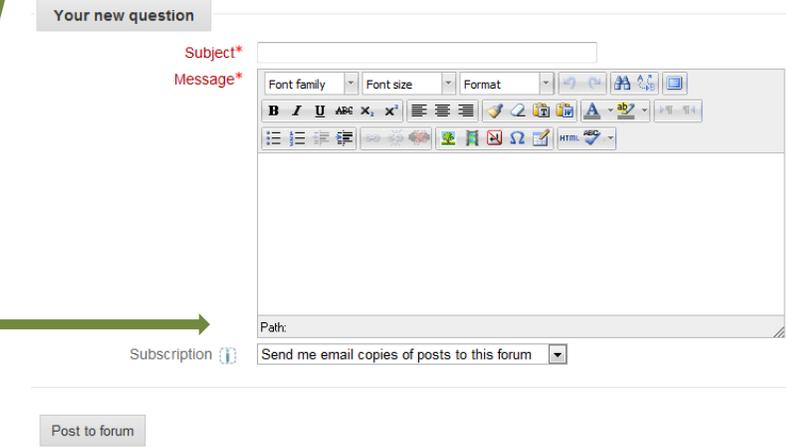
<p>5 Creating a Custom ED&R Fatal Error Handler</p> <p>The default error handler module will be located and a copy placed in the BSP folder. The Fatal Error Handler contained in the copy will be modified to add new functionality. The new module will be added to the build using a delta CDF file.</p> <ul style="list-style-type: none"> Video Tutorial - 4m, 3s Section Quiz Task Guide - Adding a Custom Fatal Handler to VIP ← 	<p>Resources </p> <ul style="list-style-type: none"> • Wind River Glossary • Q&A Forum
<p>6 Conclusion</p> <ul style="list-style-type: none"> Video Tutorial - 2m, 34s 	<p>Related On-Demand Courses </p> <ul style="list-style-type: none"> • Using VxWorks Core Dump • Saving a VxWorks ED&R Log to a File
<p>7 How-To Guides ←</p> <p>Download or print these succinct guides to performing specific tasks.</p> <ul style="list-style-type: none"> Task Guide - Adding ED&R to VIP via CDFs Task Guide - Adding a Custom Fatal Handler to VIP Task Guide - Overriding ED&R Parameters Task Guide - Using an ED&R Event Log Hook Routine 	<p>Related Instructor-led Courses </p> <ul style="list-style-type: none"> • VxWorks 6.x and Workbench Essentials • VxWorks 5 to 6.x Migration • Course Catalog

Provide Feedback

In order to improve our course offerings we would appreciate your feedback in this short one-minute survey. Thank you for your cooperation and input!

Ask an Expert – Q&A Forum

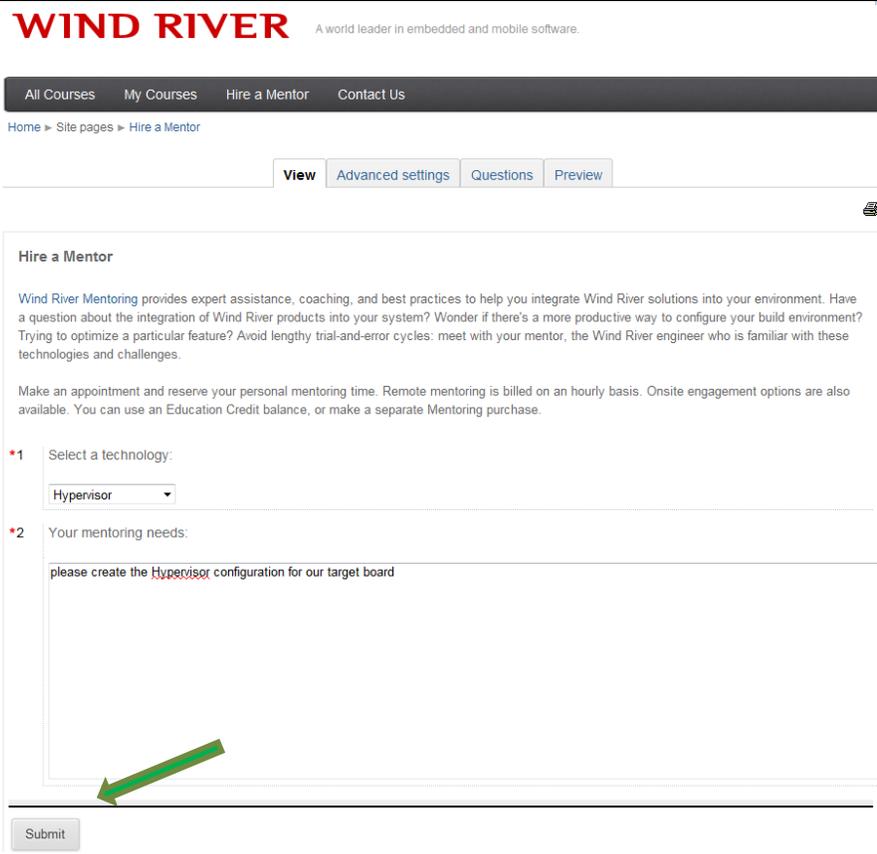
At the end of each course is a section called “Ask an Expert”. Feel free to use this forum to ask questions and view answers regarding technical content relating to the course. Our Experts will provide you with the requested answers shortly.

Actions	Screenshot
<p>Go to Ask an Expert => Q&A Forum.</p> <p>The search forum field at the top right may be used to search the course forum for a specific topic. Enter your query into the field and hit the Search forums to view all related posts.</p>	 <p>The screenshot shows the top navigation bar with links for 'All Courses', 'My Courses', 'Hire a Mentor', and 'Contact Us'. Below it is a breadcrumb trail: 'Home > My courses > Understanding the Workbench User Interface > Ask an Expert > Questions and Answers'. A search bar is located at the top right, with a green arrow pointing to it. Below the search bar is a 'Search forums' button. A 'Resources' section is visible on the right, listing 'Wind River Glossary' and 'Hire a Mentor'. A table of discussions is shown below, with columns for 'Discussion', 'Started by', 'Replies', 'Unread', and 'Last post'. A 'Post to forum' button is at the bottom of the screenshot.</p>
<p>If you want to read the entire posting in context click “See this post in context”.</p> <p>Click on Reply to post your comment.</p> <p>To ask a question click on Ask a Question.</p> <p>Fill in the Subject and Message regions then click Post to Forum.</p>	 <p>The screenshot shows the 'Your new question' form. It has a 'Subject*' field and a 'Message*' text area. The text area has a rich text editor toolbar above it. Below the text area is a 'Path:' field and a 'Subscription' dropdown menu. A 'Post to forum' button is at the bottom.</p>

Hire a Mentor

Trying to optimize a particular feature?

This section of Wind River Productivity Pass gives you the option to hire one of our Specialists as your Mentor.

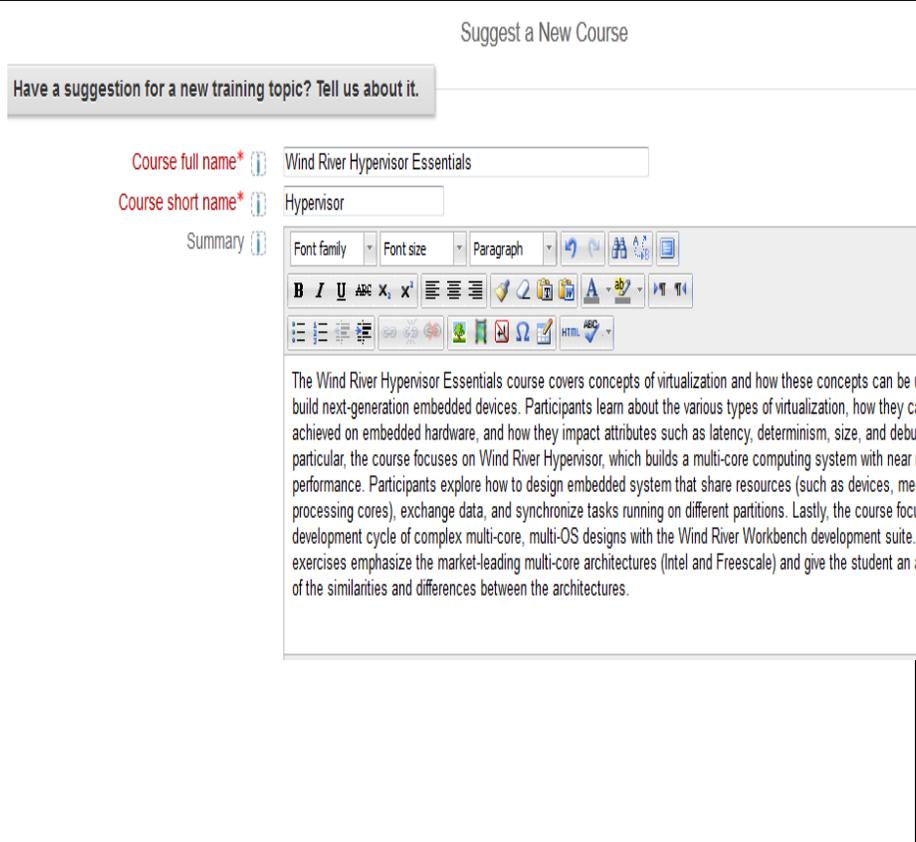
Actions	Screenshot
<p>On the All Courses page click on Hire a Mentor on the main menu bar or go to Help and Support and click on Hire a Mentor.</p> <p>Fill in your contact details and give us a quick description of your mentoring needs.</p> <p>Click on the Submit/GO button to submit your request.</p>	 <p>The screenshot shows the 'Hire a Mentor' page on the Wind River website. The page header includes the Wind River logo and navigation links: 'All Courses', 'My Courses', 'Hire a Mentor', and 'Contact Us'. Below the header is a breadcrumb trail: 'Home > Site pages > Hire a Mentor'. The main content area has a title 'Hire a Mentor' and a paragraph describing the mentoring service. Below this is a form with two required fields: '1 Select a technology:' with a dropdown menu showing 'Hypervisor', and '2 Your mentoring needs:' with a text area containing 'please create the Hypervisor configuration for our target board'. A green arrow points to the 'Submit' button at the bottom of the form.</p>

Contact us

In the main menu bar of the **All Courses** page click **Contact Us**.

For all questions related to Instructor-led Courses, Mentoring, On-demand Learning and Productivity Pass contact Wind River Education Services.

Suggest a New Course

Actions	Screenshot
<p>On the All Courses main page go to the Coming soon section and click on "Suggest New Course".</p> <p>Fill in the details of the course you are requesting and the reasons for wanting this course.</p> <p>Click Request a course at the bottom left to submit your request.</p> <p>Our Productivity Pass administrator will analyze your request shortly.</p> <p>Required fields in this form are marked with a red asterisk. *</p>	 <p>The screenshot shows the 'Suggest a New Course' form. At the top right is the title 'Suggest a New Course'. Below it is a grey box with the text 'Have a suggestion for a new training topic? Tell us about it.' followed by a horizontal line. The form contains three main sections: 1. 'Course full name*' with a red asterisk and a help icon, containing the text 'Wind River Hypervisor Essentials'. 2. 'Course short name*' with a red asterisk and a help icon, containing the text 'Hypervisor'. 3. 'Summary' with a help icon, containing a rich text editor. The editor has a toolbar with options for font family, font size, paragraph, bold, italic, underline, text color, background color, bulleted list, numbered list, link, unlink, insert image, insert video, insert audio, insert code, and HTML. Below the toolbar is a paragraph of text: 'The Wind River Hypervisor Essentials course covers concepts of virtualization and how these concepts can be us build next-generation embedded devices. Participants learn about the various types of virtualization, how they can achieved on embedded hardware, and how they impact attributes such as latency, determinism, size, and debug particular, the course focuses on Wind River Hypervisor, which builds a multi-core computing system with near na performance. Participants explore how to design embedded system that share resources (such as devices, memr processing cores), exchange data, and synchronize tasks running on different partitions. Lastly, the course focusi development cycle of complex multi-core, multi-OS designs with the Wind River Workbench development suite. TI exercises emphasize the market-leading multi-core architectures (Intel and Freescale) and give the student an ap of the similarities and differences between the architectures.'</p>

Additional Wind River Education Offerings

The last section of this Reference guide directs you to external resources for additional training information. Wind River Education Services offers cost-effective training in various forms. From the **All Courses** main page go to **Other Education Offerings** to be redirected to the Wind River Customer Education Website.

Instructor-led Courses

You can choose in-person, instructor-led public training delivered in one of our training centers. If you prefer, we also offer in-person, instructor-led private training at your site (or in another location of your choice) that provides the same high-quality training experience and materials as in our training centers. In addition, our Live Remote Classes let you get the benefits of a Wind River education without the cost and time of traveling to a Wind River training center.

Browse our course catalog below to plan and track a curriculum that will satisfy the training needs of your device software development engineers.

On the right hand side you can view our public Course Schedule divided into regions (North America, EMEA, Japan/India/Korea/ Singapore).

Mentoring

Wind River provides expert assistance, best practices, and coaching to help you integrate Wind River solutions into your environment. Wind River Mentoring combined with formal training classes speeds you past the steepest part of the learning curve. Your team can avoid lengthy trial-and-error cycles and quickly become productive with your Wind River solutions.

education.windriver.com - training@windriver.com