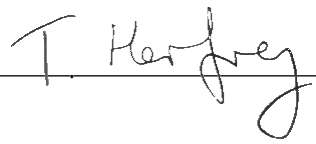




## Design Assessment Form

Diploma Apprentice's Name	Mark D'Cruz
Date Apprentice started Diploma	July 4th 2023
Project Title	Ayurvedic Food Forest
Design Number	7 of 10
Date Design Started	Not indicated
Date Design Completed	March 2025
Has the Design been implemented?	Beginning implementation
Online Link to Design (if available)	<a href="https://www.vila-pinheiro.com/diploma-journey">https://www.vila-pinheiro.com/diploma-journey</a>
Type of Design (delete all that don't apply)	Land Based
Design Category (delete all that don't apply, more than one could apply)	Health & Spiritual Well Being / Land & Nature Stewardship
Name of Personal Tutor	Tom Henfrey
Ready for Presentation	<b>Ready</b> / <del>Yes</del> Ready / <del>Nearly</del> Ready
Name & Signature of Assessing Tutor	Tom Henfrey 

<b>Date of Assessment</b>	<b>1st assessment 26/3/2025 (essential feedback).</b> <b>2nd assessment 27/3/25</b> <b>CE Observation 19-04-25</b> <b>3rd assessment 9/6/25</b> <b>CE 2<sup>nd</sup> Observation 26-06-25</b>

**If this design is included in the FPA2 sample assessed by a Senior Tutor:**

<b>Comments from Senior Tutor</b>	
<b>Name, Date &amp; Signature of Senior Tutor</b>	

**Section 1: Demonstrating Design Skills**

		<b>What's gone well?</b>	<b>What could have been done differently?</b>
1a	The design uses an appropriate <b>design framework</b> or intentional process accurately (e.g does the design visit every step of the process)	GoSADIM employed, and all steps correctly followed, with a brief note in the introduction of the function of each step. <b>Yes like the intro sentence for each step</b>	Some steps in the 'Design' section could, for me, have gone under 'Analysis': the Zoning plan (as this had already been determined in the overall site design, and hence is contextual to this one), and Ayurvedic Species Selection Criteria: both inform the selection and location of elements, which the detailed layout and planting plans then pull together. <b>Also some steps in Analysis (Limits and Resources) could go in Observation</b> <b>However, I believe the zoning is OK in design as it describes placement (unless it is observation of zones as they exist not how you want them designed)</b>
1b	It utilises the <b>permaculture</b>	The three ethics are used to orient goals, and	I still get the impression that the ethics are

	<b>ethics</b> appropriately	referred to at various points during the design. Yes all good	somewhat taken for granted, used in a checkbox may to identify points of compatibility with design decisions made following other criteria. In future designs, try explicitly using the ethics as a tool that shapes and drives design decisions at different points in the process, and consider how this affects your design. As in #6, you mix Fair Share (p.4,5) with Future Care, & others (p.8) – a bit confusing
1c	The design uses <b>permaculture principles &amp; theory</b> that are appropriate to the situation	<p>Numerous permaculture principles, from diverse named authors, are cited in the goals. A summary of key permaculture writers and theory employed is provided in Annexure 02.</p> <p>The design also makes extensive use of Ayurvedic principles: as design tools in their own right (e.g., the Species Selection on page 19), and supporting more familiar permaculture tools (e.g. the Needs, Resources, Limitations analysis). Annexure 01 provides an overview of Ayurvedic philosophy, while Annexure 03 explores its relationship with permaculture. Agree- extensive list of PC principles from various authors</p> <p>Permaculture principles are now extensively referenced throughout the design:</p> <ul style="list-style-type: none"> <li>• Frequent mention of specific principles and explanations of their application in the Analysis and Design sections (especially slides 16-20)</li> <li>• Two additional slides (32-33) explain applications of permaculture principles in Implementation</li> <li>• Yes all good and thoroughly addressed</li> </ul>	<p>Beyond their mention in the goal-setting, I don't see any reference to application of principles in the design – I would expect to see in "Design" stage (and could also be in Implementation and Maintenance).</p> <p>Site selection analysis (p.14) designated the Ayurvedic Food forest to sector/zone 20 however Zone Planting scheme (p.18) puts same area in Zone 4 (Keystone, Native....) – confusing Now sorted</p>

1d	It uses a <b>variety of tools</b> to suit the needs of the situation / design brief	<p>Site survey; Base Map; Floral map and DAFOR; Needs, Resources, Limitations; Zones; Ayurvedic food forest principles and plant selection criteria; Layers; Guilds; Planting Plans; GANTT chart; Maintenance Schedule; Evaluation criteria; PMI; 4 Questions: all appropriately chosen and employed, and well integrated.</p> <p>Agree</p>	<p>The use of the term 'Sector' to refer to different places within the overall site could be confusing, given the difference from the specific technical meaning of this term in permaculture design. When referring to floristically distinct areas, the ecological term 'Patch' (following Jacke on forest gardens) could be a suitable alternative.</p> <p>Yes agree terminology is confusing, though that's all it is! p.14 describes "zone 20" otherwise numbered sectors. Patch, or just "area" would do. [this feedback is probably better in 1e or 1f below about documentation/presentation]</p> <p>Justified use of sectors</p>
1e	The design is intelligible, coherent and effective, <b>meeting the client's needs</b>	<p>Very thorough and easy to follow, with impressive scope from overall site layout down to detailed planting plans.</p>	<p>The planting plan describes the allocation of trees/guilds to 'sectors' (patches): do you have more specific details of planting patterns within these spaces?</p>
1f	The <b>documentation is appropriate</b> to present to the clients and others	<p>Well organised using slides, great use of layout, formats, diagrams and images make it easy to follow.</p> <p>Good discernment regarding keeping the report focussed and succinct while adding extra detail and context in appendices and annexures.</p> <p>Agree</p> <p>Textual corrections all made, Appendix 04 now included.</p> <p>A number of additions provide greater clarity over boundaries:</p> <ul style="list-style-type: none"> <li>Two new slides, 13 and 14, describe in detail the rationale for the initial site selection in Sector 20 and its later extension to other sectors</li> <li>An additional Appendix 05 explains further how this expansion arose from</li> </ul>	<p>Minor corrections:</p> <ul style="list-style-type: none"> <li>P3: contour map listed among the tools but not employed in the design itself.</li> <li>P.20: reference to 'Appendix XXX: Sourcing Strategy and Acquisition Plans', not included.</li> <li>P.21: the plant species list is referred to as Appendix 01 rather than 02.</li> </ul> <p>OK so now I'm really confused, this design is about the Ayurvedic Food Forest (zone/sector/patch/area 20 on the map) so why is 6 Fruit Orchard &amp; 6a Kitchen garden on pp.21/22?</p> <p>You state (p.14) that the Ayurvedic Food Forest extends beyond zone 20... why? how? This makes it confusing to understand the boundaries of this particular design</p> <p>Now explained, a lot more clearer</p>

		<p>the fusion of permaculture and Ayurveda as the design evolved</p> <ul style="list-style-type: none"> <li>Two additional slide (26-27) respectively summarise the conceptual and functional interrelationships among different designs in the portfolio, with an expanded account provided in a new Appendix 06</li> <li>An addition to the Implementation section (Slide 34) details the current and planned future spatial extension of this design</li> <li>Now clearer</li> </ul>	
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***Please fill in Section 2.1 or 2.2.***

***Use Section 2.1 for all design frameworks. If the designer has used the Design Web then you may wish to use Section 2.2 instead***

Section 2.1: Applying Permaculture Design (For Designs using processes such as SADIM, OBREDIM, CEAP)			
		What's gone well?	What could have been done differently?
2.1a	There is a clear explanation of how the <b>design brief was investigated</b> through surveying the situation and gathering the information.	<p>The design brief is well stated at the levels of vision, goals, objective and concept. Contextual information from the overall site design is well used, and supplemented with more detailed site survey and general information on Ayurvedic planting practices.</p> <p>Agree</p> <p>Methodological detail, including cross-references with Design 3, now included.</p>	It would be useful to include some methodological details, particularly about the site survey work: what was done when (specific dates if possible), pointing to other designs as sources whenever relevant.
2.1b	There is a clear explanation of how the <b>design decisions and solutions</b> were	A Needs, Resources, Limitations analysis, covering several key areas, draws together the aspirations of the client/designer, site conditions and the application of Ayurvedic principles and	There is lots of great information about what you're doing, less of WHY you're doing it – your design thinking. Especially about placement and integration of systems/elements.

	developed.	concepts.	More details added (p.24)
2.1c	The <b>solutions are relevant and appropriate</b> to the area and design brief.	<p>Solutions are well-justified in terms of the design brief and analysis. The design includes a detailed (month-by-month) implementation schedule, and overall plans for maintenance and monitoring. The in-design PMI evaluation gives an honest account of problems encountered in several areas (budget, infrastructure, knowledge, maintenance schedule) and points of ongoing learning.</p> <p>New section describing first round of tweaks added (slides 27-28)</p> <p>Implementation &amp; Maintenance clear</p>	<p>Given the issues encountered, it would be interesting to include a Tweak step that describes changes made to the design in the light of the evaluation (thus expanding to the full SADIMET design framework).</p> <p>Any principles applied in Implementation and Maintenance?</p> <p>Added in pp 32-33</p> <p>What about water/irrigation needs? How is the “need” provided by the system? (just a mention in evaluation)</p> <p>OK water systems have been better described p.26</p>

### Section 3: Learning from and Developing your Permaculture Practice

		What’s gone well?	What could have been done differently?
3a	The design report includes an <b>evaluation of the design’s effectiveness</b> .	<p>An overall PMI evaluation of the design as a whole, along with outline M&amp;E protocols in four key areas (plant health and biodiversity, water management, community engagement, environmental adaptation)</p> <p>agree</p>	<p>Could the monitoring regime have been integrated into the maintenance plan?</p>
3b	There is a <b>critical reflection</b> on what you have learnt about the design processes, tools, ethics, principles and theory that you have used.	<p>Reflection employs the Four Questions and a separate account of personal learnings as an individual, designer and in relation to the design approach.</p> <p>Reflection: Personal Learnings insightful</p>	<p>Reflection ALQs is here more about the design content rather than your own learning, so maybe better in “Evaluation”</p>
3c	The design shows how <b>design skills and competence have</b>	The design shows a continued trajectory towards clear, concise and thorough organisation and presentation of information,	

	<b>progressed</b> and some next steps for design practice.	fluency in the use of design tools and frameworks, application of permaculture principles and their integration with Ayurveda, as well as challenges putting all this into practice that further designs can engage.	
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#### Section 4: The Next Steps

What are the apprentice's <b>next steps with this design</b> , towards its accreditation.	<p>26/3/25: Address the comments highlighted in blue above.</p> <p>27/3/25: Essential initial feedback now addressed to my satisfaction</p> <p>Add a short section in the design section on how you've applied permaculture principles</p> <p>Clarify the boundaries of this design</p> <p>The additional material provided, both within the main design and the two new appendices, addresses the application of permaculture principles and clarifies the boundaries of this design and relationship with others, as well as providing more information on the rationale behind specific placement and other design decisions. Thanks also for the very useful document summarising those changes.</p> <p>Yes all good now – principles application better described throughout, and integration of different/nested designs clarified (pp.26-27).</p> <p>And thanks for the extra file detailing specific responses to feedback, it was very useful</p>
What other <b>general or specific issues</b> might help with the apprentice's next steps, eg. to take into future designs.	<p>Explore ways to make explicit use of the ethics (especially in combination) as design tools that help drive and shape design decisions.</p> <p>More details of your design thinking and why you making decisions in particular of placement of systems/elements (see 2.1b)</p> <p>This has largely been addressed</p>
Any other comments about the <b>format</b> of the project presentation,	Format is great, clear and easy to follow though there is some confusion of zones (see 1c)
<b>The highlight of this design for me is...</b>	The glorious scope from broad conceptual patterns and principles of permaculture and Ayurveda to the details of specific species associations in guilds.

#### Space for any other notes and comments to the apprentice

A comment made for #6 is still relevant here – it would be good to see a “map” of the different designs based around the Vila Pinheiro

holding – there are several “nested” designs within the whole but it is confusing to understand the relationships between them. Like where 1 design starts and the others end. This will clarify the connections/integration and also the boundaries.

Obviously the Ayurvedic Food Forest (AFF) is connected/integrated with many/all other areas of the meta-design for Vila Pinheiro – and you have highlighted those connections well - however observation, design and implementation of other areas has been included in this design which is confusing. Why, for example is the Kitchen Garden and Orchard design in here?

Another way of describing this: According to your site selection map (p.14) we see the site for the AFF in “zone”20. However you describe its principles as “extending beyond” and “influencing the expansion...” this is maybe the root of confusion as it makes boundaries of this design very unclear.

Great now to have an overview of the relationships among different designs in the portfolio, and how they fit together within a single integrated system. Amazing work.

Absolutely agree!