



Basic Details of the Team and Problem Statement

Ministry: Ministry Of AYUSH

PS Code: 12501

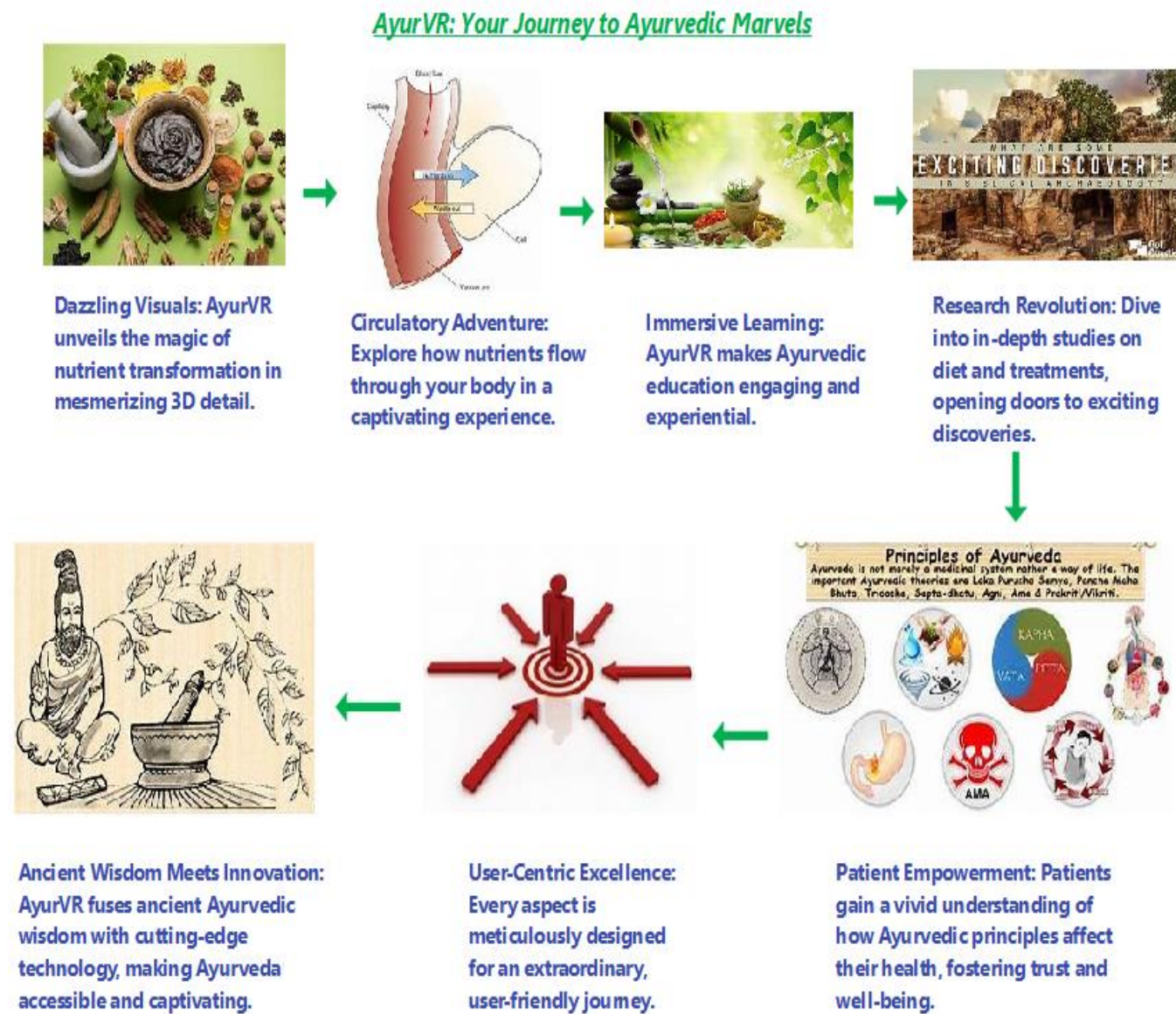
Problem Statement Title: Development of Virtual Reality (VR) technology for Dhatuposhana Nyaya

Team Name: SPARTAN2023

Team Leader Name: Neha Deepak Puri Institute Code (AISHE): C-41256

Institute Name: K .K Wagh Institute of Educational Research Theme

Name: Healthtech



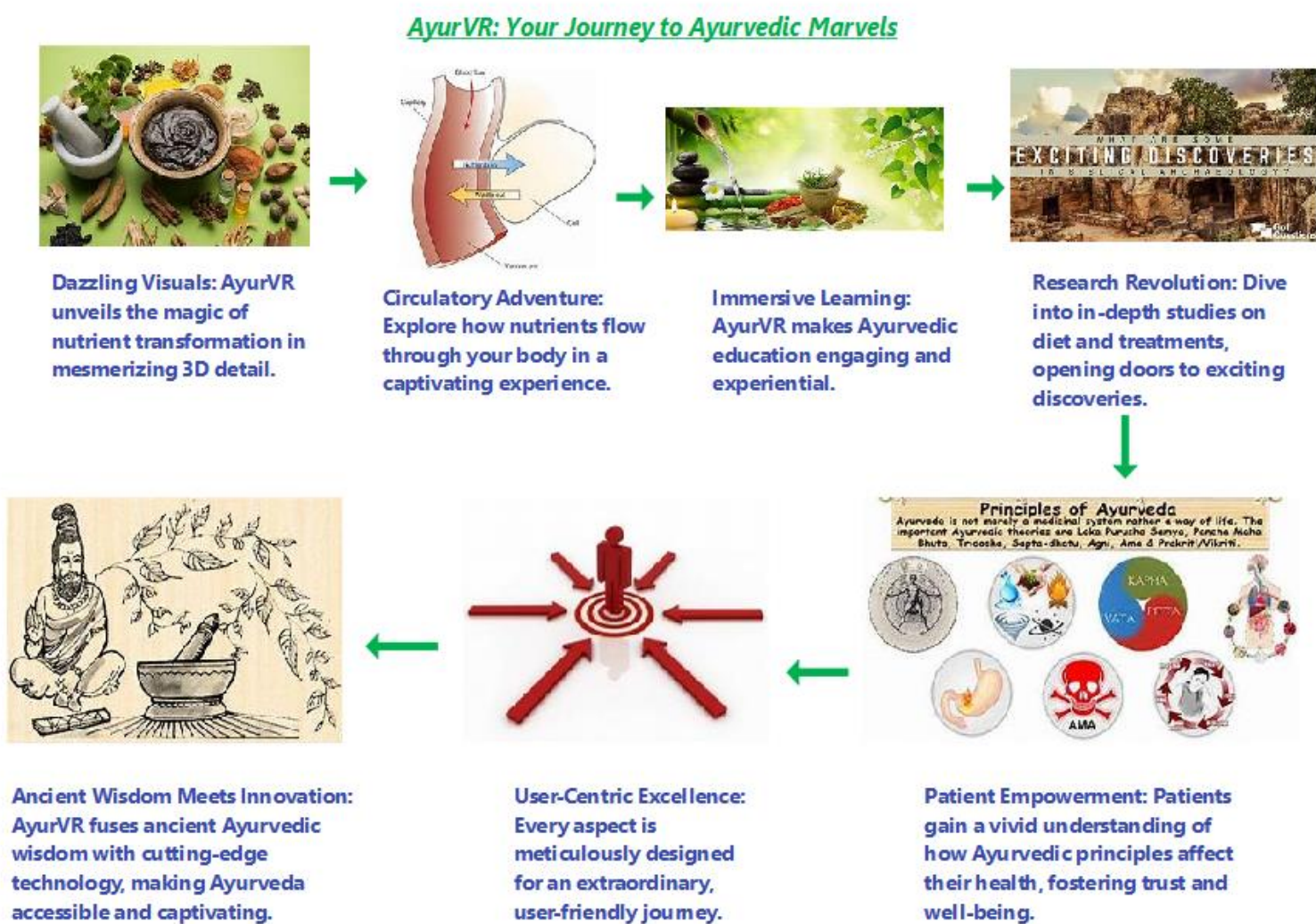
Introduction:

◦ AyurVR: A Revolution in Ayurvedic Exploration

- Unveiling Ancient Mysteries: AyurVR isn't just a solution; it's a captivating journey that unravels the ancient mysteries of Ayurveda.
- Awe-Inspiring Transformation: With AyurVR's "**Ksheeradadhi Nyaya**," you'll witness nutrients metamorphosing into tissues - a spectacle like no other.
- The Circulatory Adventure: "**Kedarikulya Nyaya**" takes you on a thrilling voyage through your body's intricate circulatory system, showcasing how it nurtures your tissues.
- Nature's Selection: Just as pigeons meticulously choose the best grains, "**Khalckapota Nyaya**" reveals how your tissues select the perfect nutrition.
- Living Wisdom: AyurVR doesn't teach you; it immerses you in Ayurvedic wisdom. It's not just understanding; it's living the experience.
- Tech Marvel: We weave the magic of Virtual Reality (VR) technology into AyurVR, fusing ancient wisdom with futuristic innovation.
- Pioneering Research: **AyurVR** isn't just for learning; it's a gateway to groundbreaking research, exploring the effects of diets and treatments in a way never seen before.
- Empowering Insight: Patients no longer just listen; they see how Ayurvedic principles directly influence their well-being, gaining trust and understanding.
- Tailored Excellence: AyurVR is meticulously designed to ensure an extraordinary, user-centric journey.
- Ancient Wisdom Meets the Future: AyurVR is where the wisdom of Ayurveda merges with cutting-edge technology, making Ayurveda not just accessible but truly mesmerizing.

Technology stack:-

- **Virtual Reality (VR) Development Platforms:** Unity, Unreal Engine, etc.
- **3D Modeling and Rendering Software:** Blender, Maya, etc.
- **Interactive VR Frameworks:** Oculus SDK, SteamVR, etc.
- **High-resolution VR Headsets and Controllers:** Oculus Rift, HTC Vive, etc.
- **Data Integration for Nutrient Tracking (optional):** Database systems for tracking nutrient movement in the virtual body.
- **Custom VR Application Development:** Custom coding for creating immersive VR experiences.



Use case/Idea/ Approach:-

- Education: AyurVR enhances Ayurvedic learning by providing an immersive experience.
- Patient Engagement: Patients can visualize the impact of Ayurvedic treatments on their well-being, fostering trust and compliance.
- Research: AyurVR facilitates groundbreaking research on
 - Ayurvedic diets and treatments.
- Therapy Aid: It complements Ayurvedic therapies, helping individuals understand their effects.
- Tourism and Wellness: AyurVR attracts tourists and wellness seekers to Ayurvedic centers.
- Product Promotion: Companies can showcase their Ayurvedic product creation processes.
- Professional Development: Practitioners use AyurVR for continuous learning
- Holistic Health Education: It educates on the connections between nutrition, physiology, and well-being.
- Cultural Preservation: AyurVR preserves traditional knowledge and practices.
- Personal Wellness: Individuals use AyurVR for self-help and holistic well-being insights.

Describe your Dependencies / Show stopper here

Some potential "show stoppers" related to dhatuposhan nyaya could be:

- Exceptions to the rules or classifications - There may be some verbal roots that do not cleanly fit into the ganas or categories as described in the texts.
- Rules that contradict each other - Sometimes different acharyas may prescribe conflicting rules about which affixes can be added to which roots. This can make the framework confusing or inconsistent.
- Applicability issues - The frameworks may have been prescribed keeping Sanskrit grammar in mind, but applying them as-is to other languages like Hindi may lead to incorrect forms.
- Change in usage over time - Language evolves over time, so some of the prescribed root transformations may become obsolete or unused in modern contexts.
- Regional differences - The framework may not capture vernacular or dialectical differences in root transformations.
- Too many exceptions and technicalities - The number of exceptions, sub-rules and technical nuances in the framework may make it too complex for common usage.

So in essence, any factors like these that make dhatuposhan nyaya difficult to apply reliably or understand comprehensively could be considered as show stoppers.

Team Member Details

Team Leader Name: Neha puri

Branch (Btech): Stream : Artificial Intelligence and data science Year: Third Year

Team Member 1 Name: Apeksha Gangurde

Branch (Btech) Stream : Artificial Intelligence and data science Year: Third Year

Team Member 2 Name: Mansi Joshi

Branch (Btech) Stream : Artificial Intelligence and data science Year: Third Year

Team Member 3 Name: Kanchan Supekar

Branch (Btech) Stream : Artificial Intelligence and data science Year: Third Year

Team Member 4 Name:- Srushti Aher

Branch (Btech) Stream : Computer Engineering Year:- First Year

Team Member 5 Name: Samrudhi mulay

Branch (Btech) Stream : Artificial Intelligence and data science Year: Third Year

Team Mentor 1 Name: N M Shahane

Category : Academic

Team Mentor 2 Name: D D Bage

Category : Academic