Executive Summary

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1. **Title of the Project:** Autologous Platelet-rich Plasma (PRP) Loaded Personalized Wound Care Patch at Patient Bedside for Effective Burn Wound Care

2. **Date of Start of the Project:** 1st Oct, 2022

3. **Aims and Objectives:** Development of novel effective treatment modalities for large asymmetric burn wound which capable to regenerate lost skin tissue, protect from the burn wound infection and most importantly affordable for common Indian population. We will develop portable wound care air-brushing device and personalized burn care kits for patient specific degree-of-burn as an effective and affordable burn wound care modalities at low resources medical setting.

4. **Significant achievements (not more than 500 words to include List of patents, publications, prototype, deployment etc)**


5. **Concluding remarks:** Successfully completion of the project will provide a portable wound care device with disposable degree-of-burn specific material kit for personalized (autologous PRP) effective and affordable burn wound care.