



## Template for Evidence(s) UI GreenMetric Questionnaire

University : Karunya Institute of Technology and Sciences

- Country : India
- Web Address : www.karunya.edu

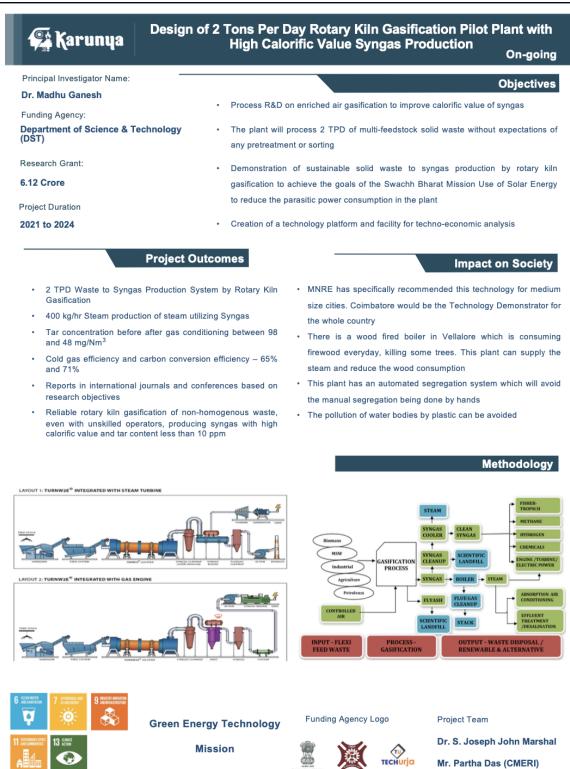
## [6] Education and Research (ED)

## [6.4] Total Research Funds Dedicated to Sustainability Research (in US Dollars)

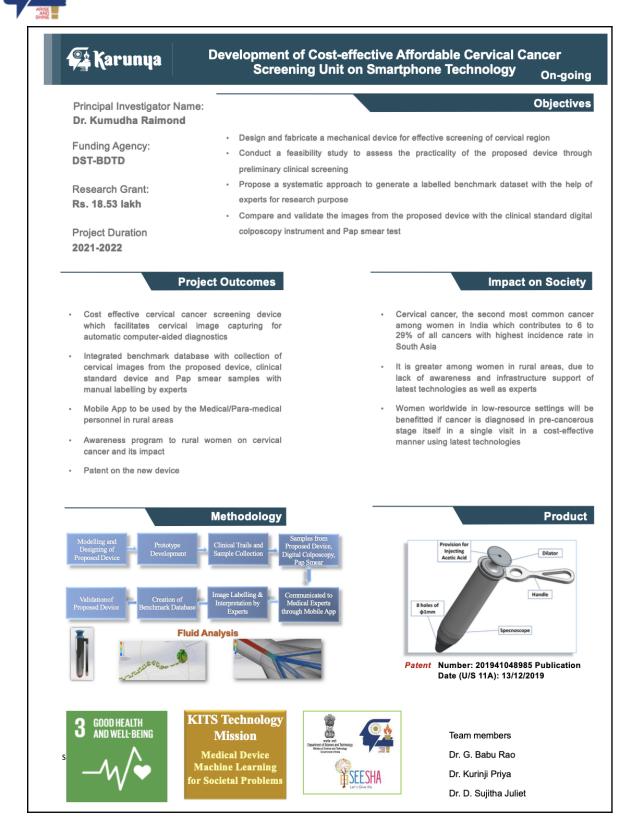




















🚰 Karunya		ed Materials from Non-hazard Silkworm Industries	lous Wastes of On-going
<ul> <li>50000 MT silkworn requirement of via waste processing</li> </ul>	<ul> <li>Mechanical expelling machine fluid fractions in cocoon waste</li> <li>Hybrid centrifuge – solvent ecoil fraction and Aqueous fracti</li> <li>Link chitinaceous matrix for us</li> <li>Purify the sericin protein by m</li> <li>Evaluate the utility of lipid fraction</li> <li>Anaerobically digest all the bimanure</li> </ul> Project Outcomes In waste produced per year able technology for cocoon leading to start up/MSME. ovide financially viable value	e that can physically separate chitinaceous e extraction unit that can separate the emulsion se in biocontrol nechanical and biochemical methods ction in bio-fuel and other applications biodegradable waste generated out of this in	Objectives s solid and protein/lipid on into sericin fraction nto biogas and organi pact on Society liture development such that value art of sericulture in biocontrol agent c organic pesticide arvae is similar to





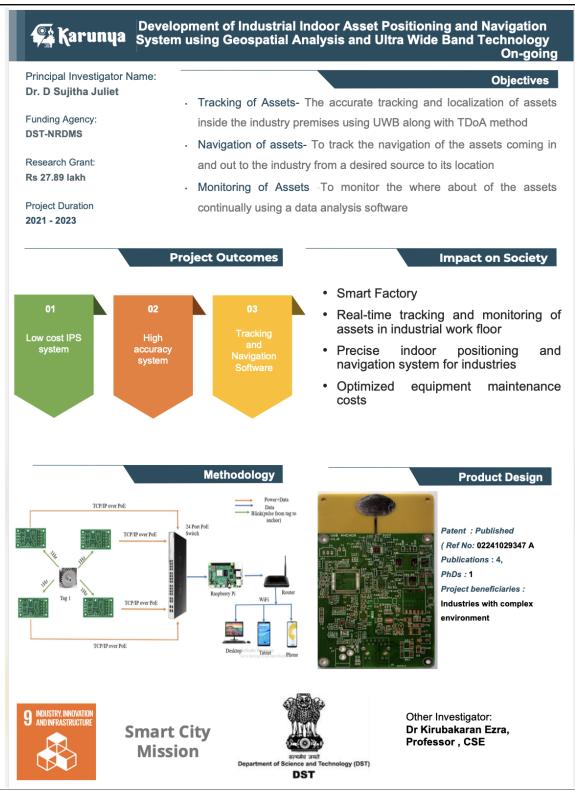




**Dr. C. N. Manoj,** Pelican Biotech & Chemical Labs, Pvt. Ltd., Kerala.







## **Description:**

All research activities at Karunya are focused towards solving the problems of humanity. Thrust is given to align all research with respect to SDGs. Twenty Five Technology Missions are identified and faculty members and students are grouped under one or more Technology Missions. The events conducted through these missions and research carried out by the faculty members and students evolve solutions to solve the problems associated with SDGs.





Total research fund dedicated to sustainability research in 2020 = 24621 US Dollars Total research fund dedicated to sustainability research in 2021 = 24752 US Dollars Total research fund dedicated to sustainability research in 2022 = 65092 US Dollars The averaged annum last 3 years of research fund dedicated to sustainability research = 38155 US Dollars