



## PROJECT SUMMARY

<b>Ref No.:</b> MRIC/PCS - 2201	<b>Title:</b> Online marketplace using big data and AI analytics to improve procurement process for construction projects
<b>Local Company:</b> Prodesign Software Ltd	
<b>Project Leader</b>	
Mr. Vikramsing Bhujun	Prodesign Software Ltd
<b>TECHNICAL ABSTRACT</b>	
<p>The construction sector plays an undisputed crucial role in the economic health of Mauritius, with nearly 1000 companies operating as service providers (contractors and consultants). In January 2020, according to the Mauritius Central Statistics Office (CSO), the construction sector's contribution to the GDP of Mauritius was nearly 6 Billion Mauritian Rupees averaging an 8.5% growth over 2019. However, following the recent health crisis and the impending economic crisis, the construction sector is facing a significant crunch. During these testing times, the focus will be on how to seize the moment to steer away from old unsustainable practices and adopt innovative, more efficient, and sustainable ones. An area in the constructor sector that we believe will benefit from such a move is the procurement system or the bidding process for projects. Bidding in the construction sector is still handled in a traditional manner using old tools, making the whole process slow, inefficient and error prone. Our online platform will offer buyers and sellers of construction works a marketplace where they can find each other, facilitate procurement of these works, and offer value added services based on the data collected from the platform. The procurement process is becoming more digital worldwide and there is currently no local digital solution as at now for the private sector. SMEs will also overcome the challenge of lack of access to construction contracts, tenders, and bids through our online marketplace.</p>	
<b>Key Words:</b> Online marketplace, digital procurement, bidding process, automation, digital construction	