• Paper / Proposal Title:
Integrating AI onto existing Architecture for Women’s Safety

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• Abstract (300 words):
Cities of developing nations have continuously shown to be not safe for women. Women are most vulnerable when travelling alone into lonely roads and deserted places. Poorly lit roads, unkempt public transportation and hostile circulation are urban planning factors that plague the city and its women. Existing measures like helpline numbers and handheld safety devices for women are not familiar with the majority of women. Another downside is that they require human intervention after sensing the danger. These methods are outdated and have time again proven to be ineffective. Urban planners and Architects must be mindful towards more innovative approaches to tackle this issue. The paper proposes the same.

The issue with crime reduction strategies in developing countries is the plethora of skewed data available due to stigma related to harassment on the streets. Moreover, verbal and visual harassment is not considered severe enough to report, thus perpetuating the cycle.
These issues can be combated by making cities more 'smart', reducing human intervention and increasing anonymity. This paper proposes a two-tier framework to ensure women crimes are recorded, stopped and prevented in the future. The first is to use existing urban structures as a skeleton to integrate devices (CCTV, Light Infrastructures) and a new fibre network infrastructure to connect them all in true IoT fashion. The second tier is identifying patterns and subsequently, problem areas by engaging with Artificial Intelligence along with the surplus of data. This paper will outline the process to undergo to ensure a seamless transition of already existing and new urbanscapes like parks and plazas into 'smarter' spaces. The paper suggests the same in the city of Bangalore, India as a replicable framework.

• Author(s) Biography (200 words each):

Shreya Vadrevu is a 4th-year university student pursuing her Bachelors of Architecture in Bangalore, India. She has previously worked in the field of architecture journalism and writes articles for several architectural e-magazines that explore advancements in the discipline. Her articles have appeared in sites, including Rethinking the Future. She has also won nationwide architectural criticism and debate competitions. She has also contributed to an architectural firm that specialises in residential and commercial projects. Her work focused on creating design specifications and bringing concepts to life.

Shreya shows a keen interest in gender studies and the dynamics of gender politics in architecture and its impacts. She also profusely engages with landscape architecture and urban design and intends on studying further in the same field. She is an enthusiastic learner with proficiency in communication and management skills. She enjoys conceptualizing and making a difference through architecture.