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(54) Title of the invention : SYSTEM AND METHOD TO MANAGE PARKING AND PRE-BOOKING RESERVATIONS FOR A VEHICLE

<p>(51) International classification :G08G0001140000, G06Q0020400000, G06Q0010020000, G06Q0050300000, G01C0021340000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p><b>2)Bluest Mettle Solutions Private Limited</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)MISHRA, Rahul</b> Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p><b>2)PANDEY, Sakshi</b> Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p><b>3)MANTRI, Archana</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

The present disclosure relates to a system (100) and method (200) to manage parking reservations for a vehicle (108) and pre-booking. The system (100) includes one or more image acquisition units (118) installed in one or more parking facilities (116) to acquire parking availability data and a server (110) communicatively coupled to one or more mobile devices (104) associated with one or more users (102) and the one or more parking facilities (116) to manage parking space. The server (110) is configured to receive user-specific data from the one or more users (102) through the associated one or more mobile devices (104) and process the parking availability data and the user-specific data to generate a user-friendly parking reservation interface (106). Further, the server is configured to receive confirmation from the user to book the associated parking space and facilitate online payment transactions to confirm the associated parking space.

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