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(54) Title of the invention : SYSTEM AND METHOD TO GENERATE TIMETABLE FOR AN ENTITY AUTOMATICALLY

<p>(51) International classification :A61B 100200, B61L 030000, G02F 011343, G09D 010000, H04L 693290</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</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, Saket</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)SINGH, Dhiraj</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)SHARMA, Ishu</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 and method for automatic timetable generation using Artificial Intelligence (AI). The method includes receiving one or more inputs from the corresponding entity. The method also includes generating feasible solutions that satisfy both hard and soft constraints upon a constraint-based algorithm. The method also includes selecting a most appropriate solution based on a set of pre-defined criteria using an optimization component. The method further includes generating a timetable that meets one or more scheduling requirements.

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