

(54) Title of the invention : AUGMENTED REALITY BASED LEARNING SYSTEM AND METHOD FOR K-MAP LOGIC DESIGNS

(51) International classification	:H04N0001387000, G09B0007060000, G09B0007020000, A61B0090000000, G09G0001000000	(71) Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector -9c, Madhya Marg, Chandigarh- 160009, India. Punjab India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)DUTTA, Rubina
(33) Name of priority country	:NA	2)SHARMA, Bhanu
(86) International Application No	:NA	3)MANTRI, Archana
Filing Date	:NA	4)MALHOTRA, Shivani
(87) International Publication No	: NA	5)KUMAR, Amit
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure provides AR-based learning system 100 and method 200 for K-map logic designs. The system 100 includes: input unit 106 to generate input data; computing device(s) 108 to display the generated input data on a display unit 110 to allow user to analyze and adjust positions of markers in marking region; and control unit 112 to scan adjusted positions of markers, and generate scanned image. The control unit 112 configured to: display the scanned image on display unit 110 to allow user to mark pairs of K-maps; identify the marked pairs of K-maps as correct or wrong, and generate first data; and display the generated first data on the display unit 110. When the generated first data is correct, the computing device(s) 108 allows user to write minimized equation on the display unit 110. The control unit 112 identifies the written minimized equation as correct or wrong.



No. of Pages : 29 No. of Claims : 9