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(57) Abstract :
The present invention discloses a smart geometric construction board comprising embedded linear sensors (101), angular sensors (102), pivoted arms (103), microcontroller (104), display unit (105), Bluetooth module (106), LED indicators (107), and buzzer (108). The invention enables accurate real-time measurement of angles and lengths during geometric constructions. It offers digital feedback, mobile synchronization, and inclusive learning support, enhancing both educational and professional applications in geometry through hybrid physical-digital interaction.

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