

TECHNOCRATZ

LED DISPLAY SYSTEMS

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PRESENTS

**LED Basketball Scoreboards
Semi Digital
OUTDOOR DAY/NIGHT VISIBLE**



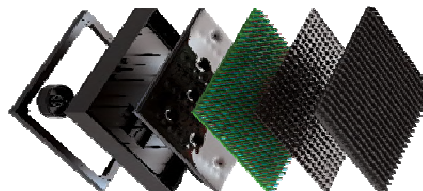
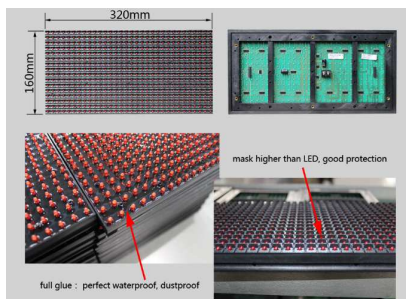
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Proposal and technical specifications for the LED Basketball scoreboards

| | |
|---|---|
| Alphabet height | 4", 6" & 12" as mentioned in models |
| Color | Red LED with fixed matter in printed vinyl (LED available in Red, Green, Blue, Yellow & White) |
| Box | MS box black powder coated |
| <i>Transportation</i> | Price ex works Delhi |
| <i>GST</i> | Extra @ 18% |
| Delivery | 1-2 weeks against PO and advance |
| Payment terms | 50% advance , 50% on inspection before dispatch |
| Warranty | One year |
| <ul style="list-style-type: none"> Hooks/clamps will be provided for installation. Installation/ structure cost not included, engineer will be provided for commissioning, training & Service on TA / DA basis @ Rs.2500/- per day if required, the systems are plug and play ,simple to operate and do not require Engineer to install. The LED Scoreboards are operated by Android app from a distance of 8-10 meters via Bluetooth. If you want to operate the Scoreboard from a larger distance then a RF amplifier costing Rs.3000/- is required which will be connected to Mobile via Bluetooth and the RF Amplifier will communicate to Scoreboard via wireless RF up to 100 meter in line of sight. The cost of RF Amplifier is inclusive if you use Shot Clocks BSC-04, 05 or 06 models along with the scoreboards 24 / 14seconds Shot clock timer BSC 04, 05 or 06 can be attached to most of above models or can operate independently. | |

Our Scoreboards are manufactured using the P10 LED modules and not the general local digits which are assembled manually. These modules have the LED, IC and the components mounted by machines on double sided glass epoxy PCB and made waterproof using silicon and fixed on to high grade plastic frame making them shock proof and virtually maintenance free. The Scoreboard is made up of 100% rainproof MS powder coated housing with front covered with Unbreakable transparent polycarbonate sheet having a laminated attractive print. The Scoreboard electronics consists 3 basic components i.e. the **LED modules** of 6 x 12" each powered by **SMPS** connected to one another and the microcontroller based **motherboard**. The scoreboards are manufactured maintaining high standards hence the chances of defect are minimal, still if a fault occurs, these components are connected to each other via connector based FRC ribbon cable and the 5 volt power too has connectors which makes the scoreboard modular and easy to maintain.

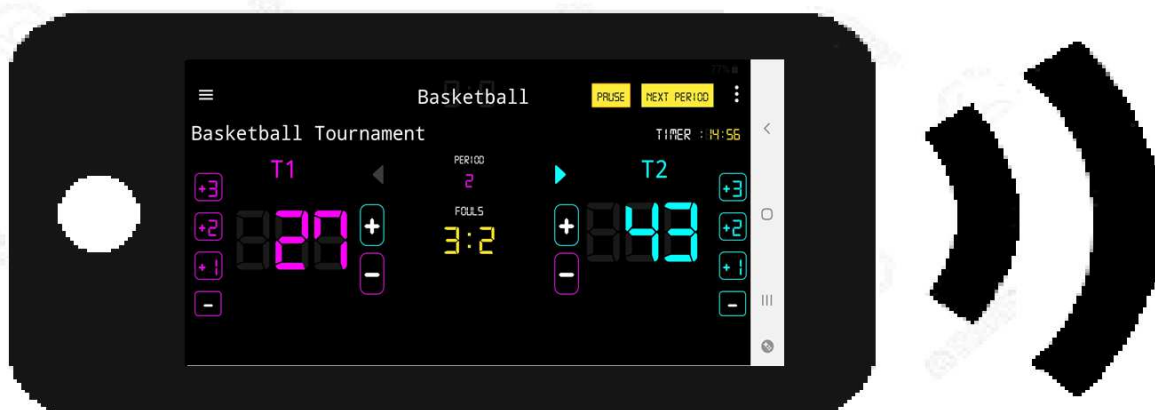
Picture of the LED Modules used.



Module Parameter:

| | |
|------------------------|--|
| Pixel pitch | 10mm |
| Pixel Density | 10,000 dots/m ² |
| Pixel configuration | 1R |
| LED type | DIP346 |
| Module size | 320*160mm |
| Module weight | 583g |
| Module resolution | 32*16dots |
| Brightness | ≥2000 cd/m ² (Higher for Full color) |
| Viewing Angle | H≤110° V≤50° |
| Driving Mode | 1/4 scan constant current |
| Interface | HUB12 |
| Input voltage | 4.8-5.5VDC |
| Max. Power Consumption | 220 w/m ² (LED Area) |
| Avg. Power Consumption | 80-100 w/m ² (LED Area) |
| Max. Current | 2.6-2.9A |
| Frame rate | 60 frames/s |
| Refresh Rate | ≥200Hz |
| Defective Dots Rate | <0.0001 (LED display line standard: ≤ 0.0003) |
| Decay Rate | ≤5%/year |
| Brightness Conformity | >95% |
| MTBF | ≥10000 hours |
| Lifespan | ≥50000 hours |
| Protective function | Over-heat/Over-load /Power-down /Power-leakage/Lightning-protection etc. |
| Operating Temperature | -20°C~+50°C |
| Operating Humidity | 10-85% no condensation |
| Storage Temperature | -30°C~+60°C |
| Storage Humidity | 10-95% no condensation |

Android Mobile App : Available on Play store “Technocratz Sports”



Scoreboards

| Model | Size (Feet) | Rate / Unit |
|---------------------------|--------------|--------------|
| BBS-Mini Indoor * | 8" x 24" | Rs. 8,500/- |
| BBS-01 | 15" x 30" | Rs. 12,500/- |
| BBS-02 | 15" x 30" | Rs. 16,000/- |
| BBS-03 | 2' x 3' | Rs. 20,000/- |
| BBS-04* | 20" x 30" | Rs. 22,500/- |
| BBS-05 | 3' x 4' | Rs. 25,000/- |
| BBS-05S | 3' x 4' | Rs. 27,000/- |
| BBS-06 | 3' x 4' | Rs. 30,000/- |
| BBS-06S | 3' x 4' | Rs. 32,000/- |
| BBS-07 | 3' x 4' | Rs. 32,000/- |
| BBS-08 | 4' x 6' | Rs. 56,000/- |
| BBS-09 | 4' x 6' | Rs. 60,000/- |
| BBS-09S | 4' x 6' | Rs. 62,000/- |
| BBS-10 | 4' x 6' | Rs. 64,000/- |
| BBS-10S | 4' x 6' | Rs. 66,000/- |
| BBS-11 | 4' x 6' | Rs. 66,000/- |
| BBS-12 | 4' x 6' | Rs. 66,000/- |
| BBS-13 | 4' x 6' | Rs. 66,000/- |
| Movable stand with wheels | For 3x4' | Rs. 5000/- |
| Movable stand with wheels | For 4x6' | Rs. 7000/- |

Shot clock 24/14 seconds

| Model | Size | Digit Ht. | Price | |
|--------|-----------|-----------|--------------|--------------|
| | | | Single Unit | Set of Two |
| BSC-01 | 1' x 1' | 12" | Rs. 9,000/- | XXXX |
| BSC-02 | 1' x 1' | 2.5" / 8" | Rs. 9,000/- | XXXX |
| BSC-03 | 1' x 1.5' | 4" / 12" | Rs. 12,000/- | XXXX |
| BSC-04 | 1' x 1' | 12" | Rs. 12,000/- | Rs. 21,000/- |
| BSC-05 | 1' x 1' | 2.5" / 8" | Rs. 12,000/- | Rs. 21,000/- |
| BSC-06 | 1' x 1.5' | 4" / 12" | Rs. 15,000/- | Rs. 27,000/- |

The 24/14 Second Shot Clock BSC-01, 02, 03 Models are independent and can be used only as single units connected to Android mobile up to a distance of 8-10 meter only. They cannot be used as pair for 2 poles or be connected to scoreboard

The Models BSC-04, 05, 06 can be connected to the Main LED Scoreboard Wirelessly via RF transmission up to a distance of 100 meter in line of sight.

The Shot Clock can run

- Independently as one Shot clock connected via Bluetooth (Models BSC-01, 02 and 03)
- Shot Clock can be used in a set of 2 for the two poles from one mobile using the long distance RF amplifier (Cost Included) where the Mobile is connected to RF Amplifier via Bluetooth up to distance of 8-10 meters and RF amplifier sends data to Shot Clocks via RF
- Shot clock BSC-04, 05 and 06 as single units or set of two can be connected to ant Scoreboard via RF Amplifier (cost Included with Shot clock)

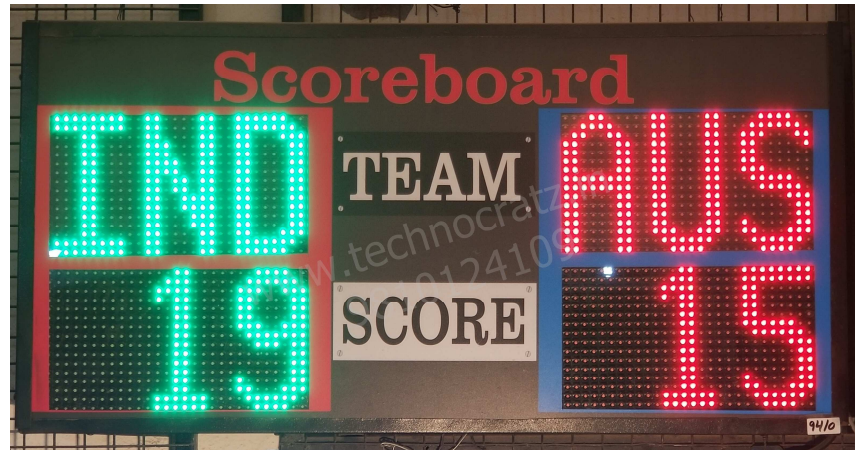
Model BBS-Mini (INDOOR) : 8 inch x 24 inch. All digits 4". Cost Rs. 8,500/-



Model BBS – 01: 15 inch x 30 inch. All digits 6". Cost Rs. 12,500/-



Model BBS – 02: 15 inch x 30 inch. All digits 6". Cost Rs. 16,000/-



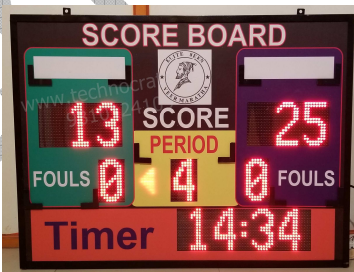
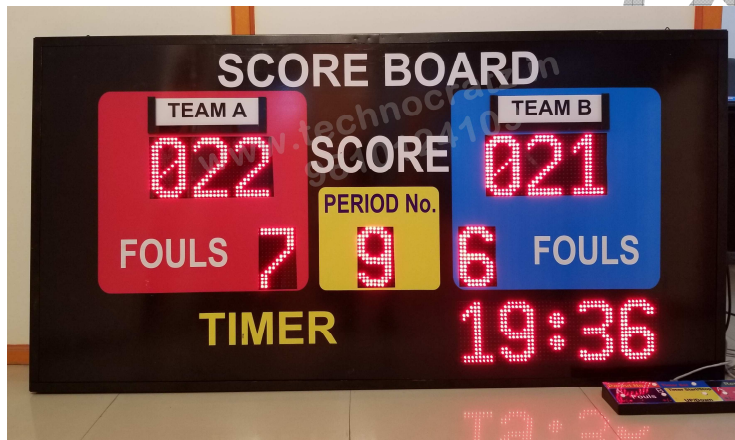
BBS-03: Size 2 feet height x 3 feet width. (Digits 6") Cost Rs. 20,000/-
The team names are print insertions



BBS-04*: 20 inch x 30 inch. Digit height 6, 4" and 2.5" Cost Rs. 22,500/-
 (currently not operated with Android App (Console operation only)



BBS-05 : 3 Feet x 4 Feet. (Digits 6") Cost Rs. 25,000/-
 The team names are print insertions



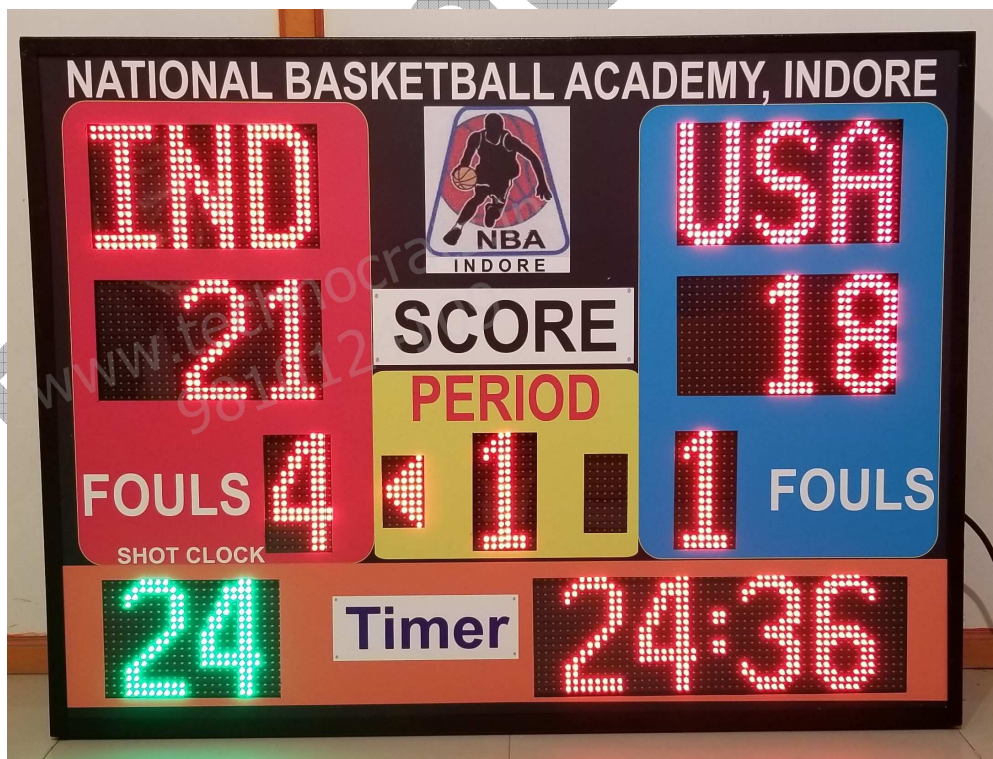
BBS-05S: With 24 sec shot clock 3 Feet x 4 Feet. (Digits 6") Cost Rs. 27,000/-
 The team names are print insertions



BBS-06: 3 Feet x 4 Feet. (Digits 6") Cost Rs. 30,000/-
 The team names are 3 alphabets each in digital.



**BBS-06S: With shot clock 3 Feet x 4 Feet. (Digits 6") Cost Rs. 32,000/-
The team names are 3 alphabets each in digital Plus 24 secs shot clock**



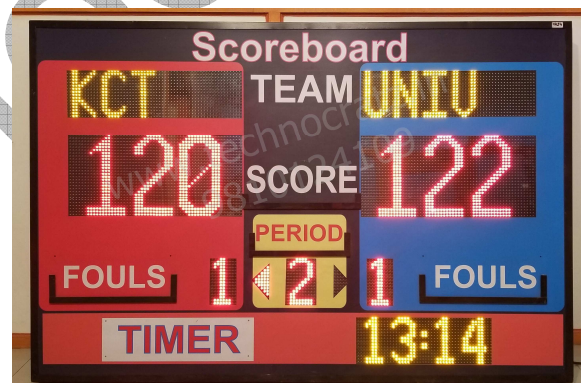
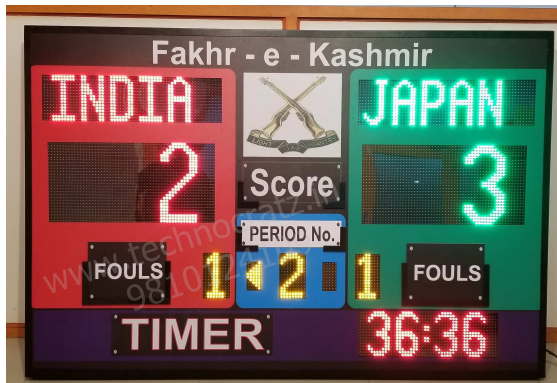
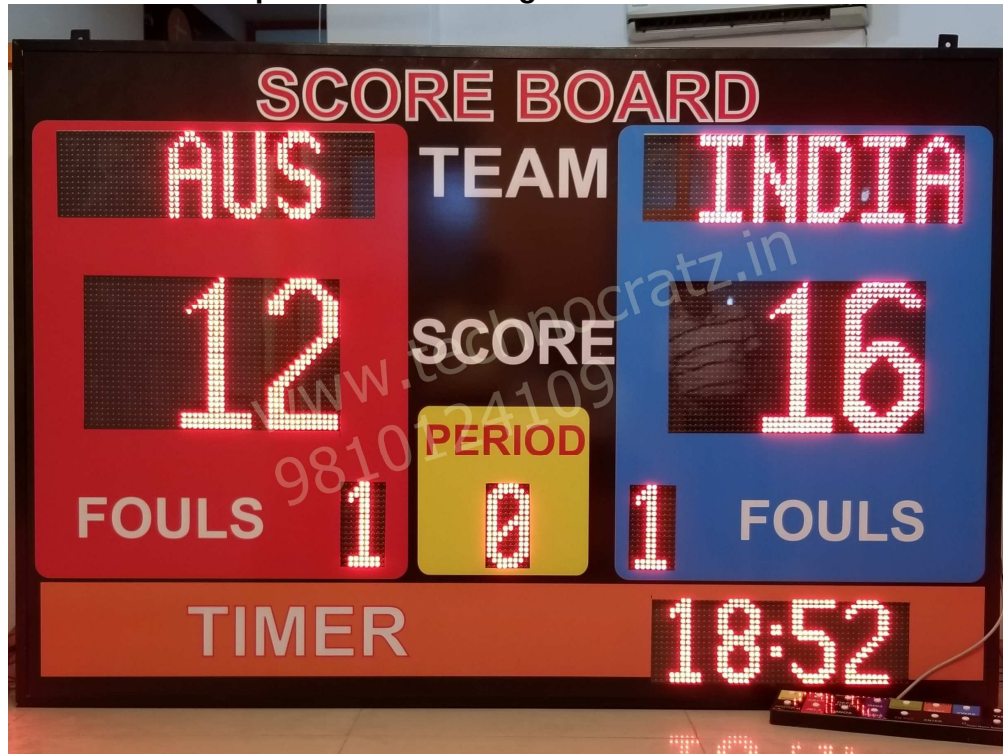
BBS-07: 3 Feet x 4 Feet. (Digits 6") Cost Rs. 32,000/-
 The team names are 3 alphabets each in digital. There is a provision to have the team name and message alternating (The message part is independent of App)



BBS-08: 4 Feet x 6 Feet. (Scores 12" rest of the Digits 6") Cost Rs. 56,000/-
 The team names are 6 alphabets each in digital.



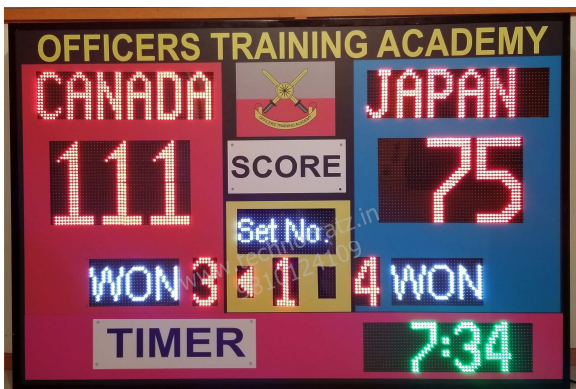
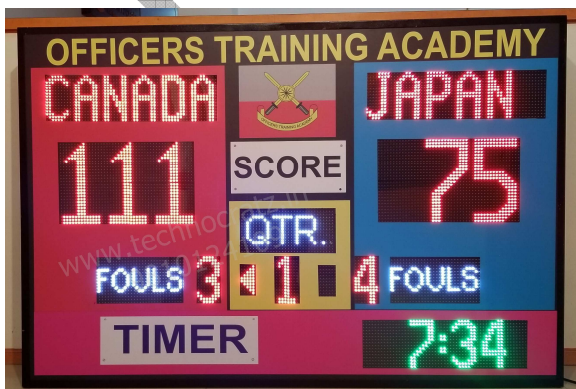
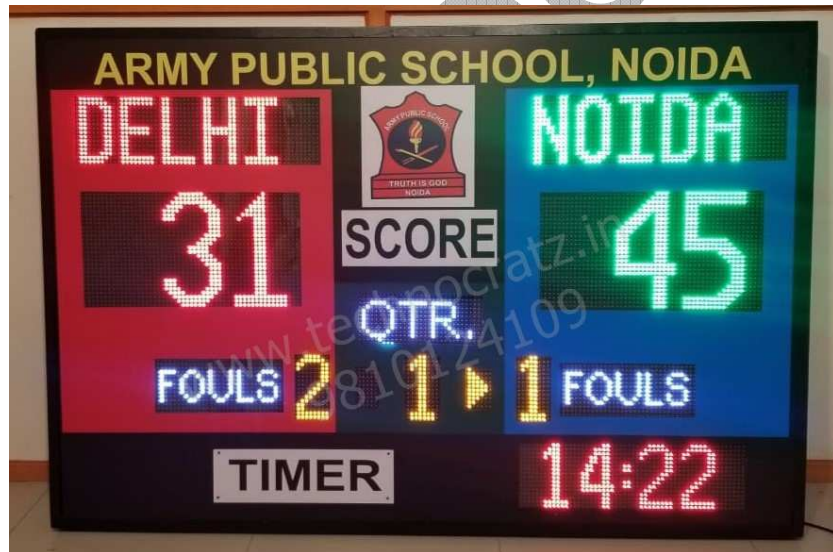
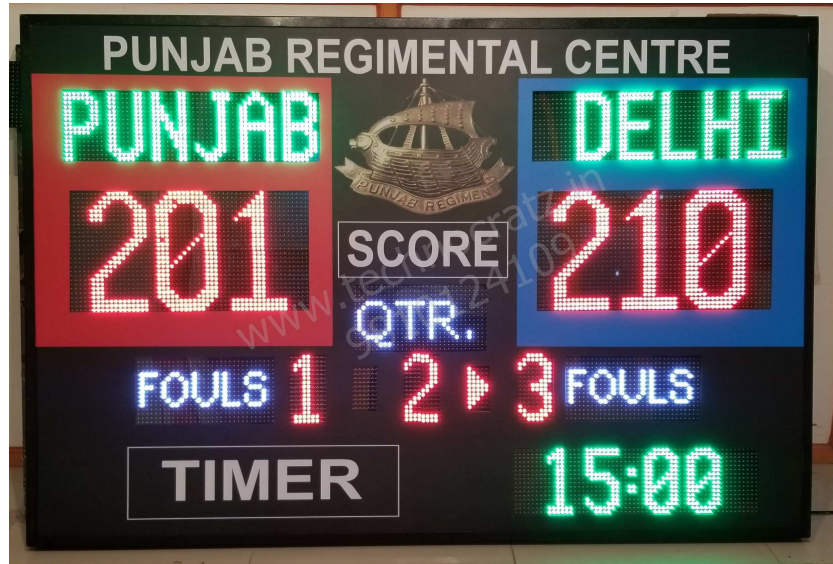
BBS-09: 4 Feet x 6 Feet. (Scores 12" rest of the Digits 6") Cost Rs. 60,000/-
 The team names are 6 alphabets each in digital.



BBS-09S : with shot clock. 4 Feet x 6 Feet. (Scores 12" rest of the Digits 6")
Cost Rs. 62,000/-
The team names are 6 alphabets each in digital.



BBS-10: 4 Feet x 6 Feet. (Scores 12" rest of the Digits 6") Cost Rs. 64,000/-
 The team names are 6 alphabets each in digital. This board can be used for multiple sports with the text in digital FOULS QTR FOULS changeable for other sports to SET No. and Sets won as shown in one of the pics



**BBS-10S: 4 Feet x 6 Feet. (Scores 12" rest of the Digits 6") with 24 sec shot clock
 Cost Rs. 66,000/-
 The team names are 6 alphabets each in digital.**



**BBS-11: 4 Feet x 6 Feet. (Digits 6") Cost Rs. 66,000/-
 Parameters as shown below.**



BBS-12: 4 Feet x 6 Feet. (Game Clock 12" rest of the Digits 6") Cost Rs. 66,000/- Parameters as shown below. Game Clock is 12" and rest 6"



BBS-13: 4 Feet x 6 Feet. (Digits 6") Cost Rs. 66,000/- custom with one line multi message programmable independent of App Parameters as shown below.



BSC-01 : 24 / 14 seconds Shot Clock. Size 1'x1' (Digit 12") Single unit, wireless range 8-10 meter. Cost Rs. 9,000/-



BSC-02 : 24 / 14 seconds Shot Clock plus game clock. Size 1'x1' (Digit 2.5" / 8") Single unit, wireless range 8-10 meter. Cost Rs. 9,000/-



BSC-03 : 24 / 14 seconds Shot Clock Plus game clock. Size 1'x1.5' (Digit 4" / 12")
Single unit, wireless range 8-10 meter. Cost Rs. 12,000/-



BSC-04 : 24 / 14 seconds Shot Clock. Size 1'x1' (Digit 12")
Single unit wireless range line of sight 100 meter. Cost Rs. 12,000/-
Set of 2 units, wireless line of sight range 100 meters. Cost Rs. 21,000/-



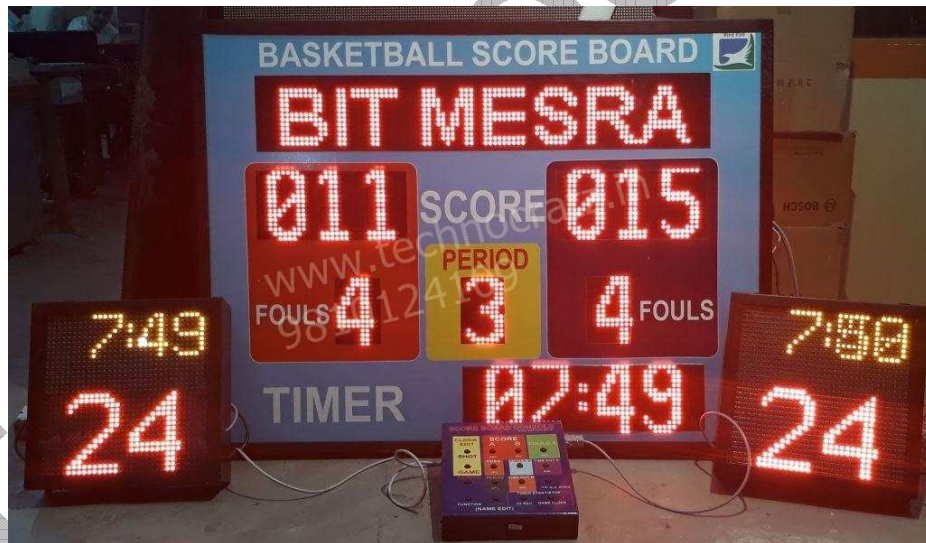
BSC-05 : 24 / 14 seconds Shot Clock plus game clock. Size 1'x1' (Digit 2.5" / 8")
Single unit wireless range line of sight 100 meter Cost Rs. 12,000/-
Set of 2 units, wireless line of sight range 100 meters Cost Rs. 21,000/-

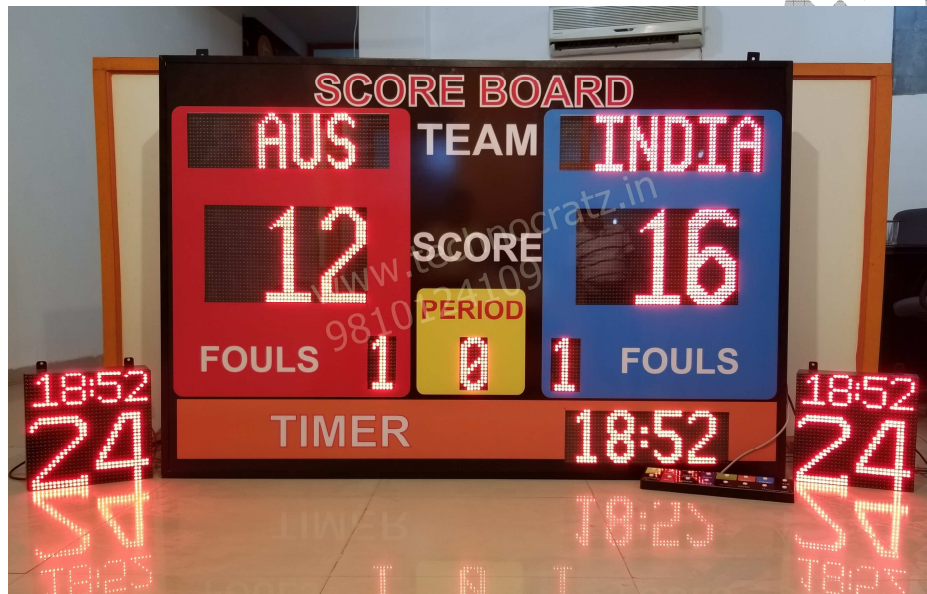


BSC-06 : 24 / 14 seconds Shot Clock plus game clock. Size 1'x1.5' (Digit 4" / 12")
Single unit wireless range line of sight 100 meter Cost Rs. 15,000/-
Set of 2 units, wireless line of sight range 100 meters Cost Rs. 27,000/-



Some Models with 24 Sec Shot Clock timer attached





Single color and Full color Screen Scoreboards with video capability PC operated

Size 4x5 feet



Size 5x7 feet



Size 6x9 feet

