

Badminton Stroke practicing machine

Innovator Profile

A	Name	Shri Subhash Das
B	Postal address	Das Servicing, Bhola Baruah Path (Near Chalchal Hotel), Nagaon Town District: Nagaon PIN: 782001 State: Assam
C	Profession	Mechanic
D	Educational Status	No formal education
E	Sex and Age	Male, 42 years.
F	Biography/Background	Mr. Gimiri is unmarried, youngest son of his parents. He is involved in innovative activities since his childhood. In 1984 – 85, when one hardly knew about cable TV; he made a cable antenna that could receive signal from a Russian satellite. He is living alone.

Title: Badminton Stroke Practicing Machine

Summary:

To make it easy for children to play badminton without having to pick up the shuttle everytime it falls. This helps them to be predetermined to get the shuttle and it saves a lot of time as well as it makes the game more interesting.

Innovation Detail

1	Category	General utility machine
2	Detail	This simple machine is made mainly for Badminton players. Generally, people find it difficult to pick up the shuttle in badminton game. They become exasperated when the shuttle falls, again and again. Looking forward to this, the prototype was made by which children can play badminton without failing to pick up the shuttle. This helps them to be predetermined to get the shuttle and it saves a lot of time. It is required to mention that this practice hardly requires any

		<p>opponent and it makes the game more interesting as well.</p> <p>The innovation is a long stand mounted on an iron frame about 6 ft in height. Above the iron frame two iron rods with grooves in between through which a belt is passed. The two rods and the belt are so arranged that they form a triangle. A motor of 0.5 hp is fixed on the frame, which is attached to the belt with the help of two pulleys. The motor slides the belt along the two rods thereby moving the shuttlecocks with it. The triangle is so arranged that the two rods appear to be almost at right angle with each other and one end of one of the rods is attached to the motor. The belt seems to be forming the base of the triangle and is positioned towards the side where the person practicing badminton stroke will stand. Small pockets are attached to the belt, which holds the shuttlecock and drops the same one by one when it reaches the end of the second rod while moving upwards while the player practices his/her stroke</p>
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Evaluation of Entry

1	Novelty of the innovation, feature or subsystem	It is the only badminton stroke-practicing machine that has been developed indigenously in India, as per prior art search.
2	<p>Comparison with currently available conventional alternatives by:</p> <p>a) Functioning</p> <p>b) Cost</p> <p>c) Elimination / minimization of drudgery</p>	<p>The only other conventional way of practicing is by plying with a partner.</p> <p>Players do not have to pick up the shuttlecocks time and again to practice their shots.</p>
3	<p>a) Current limitations/demerits</p> <p>b) Areas requiring further</p>	<ul style="list-style-type: none"> ▪ Trajectory of shuttle should not be vertical; it should come at an angle ▪ There should be some speed in the shuttle

	development work	<ul style="list-style-type: none"> ▪ The height of the machine should be variable; so that it can be used to practice the drop shots also. ▪ Machine is bulky; and this problem should be solved so that it doesn't require a lot of space in the court. Reason is that for practicing 2-3 machines will be used. ▪ If speed factor is added in the machine, than 2-3 machines, if used, will serve the purpose for practicing rallies, which is the most important part of the game. ▪ If shuttle comes with a spin in it then it will become an excellent machine
4	Commercialization a) Status of commercialization (Manufactured / sold / used locally) b) Potential for diffusion	One has been installed at a local stadium in Tezpur town, Assam.
5	Current and future application areas (multiplicity of utilities)	It could be configured for tennis practicing as a separate product.
6	Social/environmental impact	N/A
7	Significance to women, handicapped and other marginalized sections	N/A
8	IPR consideration	Patent to be pursued
9	Detail of scout	GIAN -NE

