






## LIST OF INNOVATION SCHOLARS

In-Residence Programme at Rashtrapati Bhavan : 12 – 26 March, 2016

No.	Name of Innovation Scholar	Innovation Title & Summary
1	<p data-bbox="341 510 740 555"><b><u>Shri Amrutlal Agrawat</u></b></p> <p data-bbox="421 562 660 607">(from Gujarat)</p> <p data-bbox="475 633 606 678">(71 yrs)</p> 	<p data-bbox="868 510 1474 633"><b>Aaruni Tilting Bullock Cart, Innovative Pulley and other agricultural equipment</b></p> <p data-bbox="868 678 1474 909">The non-hydraulic tilting and dumping mechanism of cart helps in improving efficiency, saves labor cost and provides high maneuverability in operating.</p> <p data-bbox="868 943 1474 1122">The innovative pulley with stopper ensures safe method of drawing water from open well, reducing injury and stress on the womenfolk.</p>
2	<p data-bbox="373 1249 708 1294"><b><u>Shri G.K. Ratnakar</u></b></p> <p data-bbox="400 1294 681 1339">(from Karnataka)</p> <p data-bbox="464 1366 617 1411">( 57 yrs )</p> 	<p data-bbox="868 1249 1474 1328"><b>‘Turbo’ – Modified Hydro Electricity Turbine</b></p> <p data-bbox="868 1379 1474 1787">The modified hydroelectric turbine is a customized innovation which can be used for producing shaft power through flowing water. It is primarily designed for remote, hilly and forest areas where it is not possible to supply electricity through conventional transmission lines.</p> <p data-bbox="868 1827 1474 2101">It is pollution-free and cost effective. Due to use of renewable source of energy, it has the potential to contribute to the objective of providing 24X7 power across the country.</p>

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3	<p data-bbox="316 248 767 331"><b><u>Shri Mushtaq Ahmed Dar</u></b> (from Jammu &amp; Kashmir)</p> <p data-bbox="464 365 619 405">( 34 yrs )</p> 	<p data-bbox="863 248 1469 331"><b>Walnut Cracker and Walnut Peeler</b></p> <p data-bbox="863 360 1469 613">The Walnut Cracker machine cracks the dry walnuts of various sizes, shapes and hardness automatically. The nuts and shells are separated easily and without damaging the nuts.</p> <p data-bbox="863 642 1469 891">Walnut Peeler is a unique motor operated machine which mechanically peels green walnuts in a faster and efficient manner. It also separates peeled skins and walnut from each other.</p> <p data-bbox="863 920 1469 1173">Both walnut peeler and crackar are very efficient, affordable and useful machine for farmers and dry fruits processing units. It helps in saving labour, improves the productivity and quality.</p>
4	<p data-bbox="327 1308 756 1391"><b>Shri Lal Biakzuala Ralte</b> (from Mizoram)</p> <p data-bbox="464 1424 619 1464">( 49 yrs )</p> 	<p data-bbox="863 1308 1437 1348"><b>Bamboo Splint Making Machine</b></p> <p data-bbox="863 1377 1469 1944">The innovator has developed a manually operated machine which can slice bamboo strips and converts the strips into sticks. It is useful for making incense sticks, tooth-picks and ice-cream-sticks. It has as advantage over conventional method of using knives which is tedious and risky. Useful for rural individuals who cannot afford and use electricity operated machines.</p> <p data-bbox="863 1973 1469 2063">It has the potential to generate employment in rural areas.</p>

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5	<p style="text-align: center;"><b>Shri Swapnanil Talukdar</b> (from Assam)  (19 yrs)</p> 	<p><b>Foot-operated page-turning device for differently-abled</b></p> <p>The innovator has developed a foot-operated page turning machine for those people for whom it is difficult to use hands for reading books, either due to disability or injury.</p> <p>It is a lower limb operated device, designed to assist those who are upper-limb impaired or have injuries in hands.</p>
6	<p style="text-align: center;"><b>Shri C. Mallesham</b> (from Telangana)  ( 43 yrs )</p> 	<p><b>'Laxmi' Asu Making Machine</b></p> <p>The innovation is specifically targeted to alleviate the difficulties of tedious and cumbersome weaving and hand winding process of yarn (locally termed as Asu) for Pochampally Sarees.</p> <p>The automatic machine completes the Asu making process in 1.5 hrs compared to 1 to 1 ½ days in manual method which improves the productivity of weavers and increases their income level.</p>

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7	<p data-bbox="379 293 703 405"><b>Ms. Anuradha Pal</b> ( 32 yrs )</p> 	<p data-bbox="863 293 1426 376"><b>‘Right Biotic’ : The fastest anti-biotic finder</b></p> <p data-bbox="863 405 1474 633">‘Right Biotic’ is an ultra-rapid test for determining antibiotic sensitivity of bacterial pathogens found in human urine in case of Urinary Tract Infections (UTI).</p> <p data-bbox="863 640 1474 824">While the present days tests take between 24-72 hours, ‘Right Biotic’ provides the sensitivity report in approx. 4 hrs.</p> <p data-bbox="863 831 1474 1196">The new technology comprises of a lightweight, portable, user friendly, battery backed field device and needs neither any other equipment nor trained personnel. The technology leads to specific and most appropriate treatment at the earliest.</p>

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