




<p><b>Name of the Innovator</b></p>	<p><b>SHRI GURMAIL SINGH DHONSI</b></p> 
<p>Date of Birth</p>	<p>15.09.1958</p>
<p>Occupation</p>	<p>Self-employed</p>
<p><b>Innovation</b></p>	<p><b>Rapid Compost Aerator and Tree Pruner</b></p>
<p>Innovation Details</p>	<p>Rapid Compost Aerator is a tractor driven machine in which the process of turning the compost has been mechanized. It has reduced total time for converting the biomass into manure to 25 -40 days, against 90-120 days in conventional methods. It aerates, humidifies, and mixes the bio wastes and can process 400 ton biomass/h.</p> <p>Tree pruner is a tractor mounted device which can prune trees of height 20 ft, top dress the trees/plants of height 12-15 ft and cover a circle of 10 ft diameter while standing the tractor at one place. It can cover about 200 plants in one hour spaced 18-20 ft.</p>
<p>Area of Interest</p>	<p>Farming and Farm Mechanization</p>

<b>Name of the Innovator</b>	<b>SHRI DHARAMVEER KAMBOJ</b>  
<b>Date of Birth</b>	15.05.1963
<b>Occupation</b>	Self-employed
<b>Innovation</b>	<b>Multipurpose processing machine</b>
<b>Innovation Details</b>	The portable machine is capable of extracting juices and essence from aloe vera, amla, jamun and other herbs and processes them for making various products. It offers a condensation mechanism which helps in extraction of essence, extracts, gel from flowers and medicinal plants for herbal applications. It is designed to also be used as a big pressure cooker with temperature control and auto cut-off facility, a homogenizer or a sterilizer. There are three variants of capacity 130 lph, 60 lph and 30 lph.
<b>Area of Interest</b>	Farming of medicinal plants and its processing

<b>Name of the Innovator</b>	<b>MS. MANISHA MOHAN</b> 
Date of Birth	03.08.1992
Occupation	Student of Aeronautical Engineering (IV year)
<b>Innovation</b>	<b>SHE - Society Harnessing Equipment</b>
Innovation Details	It is a device to safeguard women from acts of molestation, assault and sexual harassment. It has been designed with an intent to punish assaulter on the spot without taking laws in hand. An electronic circuit is included in the clothing in such a way that it disables the assaulter on the spot without causing damage to the wearer. The garment is equipped with pressure sensors which actuate when the pressure values are attained leading to shock generation and sending message to parents and police using embedded GPS and GMS systems.
Area of Interest	Crafting, arts and reading, interest in laser cut and 3-d printing art form

<b>Name of the Innovator</b>	<b>SHRI M.B. AVINASH</b> 
Date of Birth	08.03.1986
Occupation	M.Sc (Hons.) in Applied Chemistry. Currently pursuing Ph.D. at JNCASR
<b>Innovation</b>	<b>Self-cleaning functional molecular material</b>
Innovation Details	<p>The ability of a surface to clean its dirt and dust by itself is known as self-cleaning. Naturally occurring lotus leaves possess this unusual self-cleaning property. Such a self-cleaning mimic was successfully fabricated by a simple solution processing technique. Usage of simple, solution-processable molecules facilitates reduced cost, easy processability and large-scale fabrication. Moreover, these surfaces are chemically inert and durable for long term usage. In addition, it is shown for the first time that fluorescent dyes can also be incorporated into these architectures and by using three primary colors- red, green, and blue- in appropriate ratios, white-light-emitting as well as any rainbow-colored hydrophobic decorative architectural coatings can be realized; besides its applications in organic electronics, cell-sorting and others.</p>
Area of Interest	Sports (cricket, shuttle badminton, volleyball, basketball), gym, philanthropy, traveling & trekking.

<p><b>Name of the Innovator</b></p>	<p><b>SHRI TENITH ADITHYAA</b></p> 
<p>Date of Birth</p>	<p>11.02.1998</p>
<p>Occupation</p>	<p>Student of Class XI</p>
<p><b>Innovation</b></p>	<p><b>Banana Leaf Technology and Adjustable Electricity Extension Board</b></p>
<p>Innovation Details</p>	<p>Naturally banana leaves dry within two to three days. Tenith has developed a process which makes leaves resistant to drying and preserve them for over one year, without using chemical. It increases its durability, malleability, temperature resistivity and weight bearing capacity without affecting its natural colour. It is a eco-friendly technology useful for making various items like plates, cups, bags, boxes, packaging wraps, containers, covers etc.</p> <p>Adjustable Electricity Extension Board contains long parallel slots to slide and fit multiple plugs of different sizes and types at a time to power small and large devices. Flexible plug points allow to put any type of electric plugs wherever space is available.</p>
<p>Area of Interest</p>	<p>To collect rare old antiques, coins, banknotes and rear pets., Birds tamer, playing games like Chess and Carom boards , doing scientific research, paintings etc.</p>