

# PSG INSTITUTE OF ADVANCED STUDIES COIMBATORE

## NANOTECH RESEARCH INNOVATION AND INCUBATION CENTRE (NRIIC)

### Technologies / Product development / Consultancy

NRIIC @ PSGIAS focuses on product/process development in Nanotechnology. The centre has developed various technologies, which are available for transfer to start-ups and running industries to expand their portfolio. PSGIAS also can take up consultancy projects on nanotechnology products/process.

Technology available for transfer	Domain
Ammonia gas sensor	Healthcare
Ammonium ion sensor	Pisciculture
Bio-microfluidics for diagnosis	Healthcare
Multifunctional Natural dyes-Nano colorants	Textiles
Chameleon Fabrics	Defence / Healthcare
Nano filter for water purification	Healthcare
Agro waste based nano filter for effluent treatment	Healthcare
Textile machines development <ul style="list-style-type: none"> <li>- Electro-spinning</li> <li>- Spray tester</li> </ul>	Textiles
Ball milling equipment	Nano materials
Nano fibrous facemask	Textiles / Healthcare
Microbial consortium for water treatment / effluent treatment	Healthcare/ Textiles /Environment
High end ICU Ventilator	Healthcare
Wearable electronics – Lactate detection, Temperature detection	Textiles / Healthcare



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