

MiGHT

National Technology Foresight



The following slides provides a body of work summation; as a reference reflecting the work completed. It illustrates the findings of NTF 2010 conducted through stakeholders engagement with the use of foresight methodology & framework.

The National Technology Foresight 2010 (NTF 2010) was conducted by MIGHT on behalf of MOSTI

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Foresight Framework

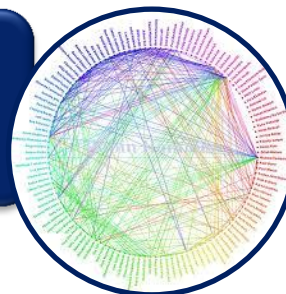


Themes

**Green & Environment
Friendly**



Mobility



Modularity



Security & Sustainability



Areas



- **Biotechnology**
- **Electronics**
- **ICT**
- **Material Science**
- **Nanotechnology**

The Technology Areas

Technology Areas	Key Technology Areas
1. Advance Manufacturing	• <i>Design engineering</i> • <i>Assembling (Robotics & automation)</i>
2. Food Security	• <i>Breeding(Non Production)</i> • <i>Processing& preservation</i> • <i>Production</i>
3. Future Energy	• <i>Source & production</i> • <i>Storage & distribution</i>
4. Medical & Healthcare	• <i>Advance detection, diagnostics & prevention</i> • <i>Artificial organs & prosthetics</i>
5. National Security & Domestic Safety	• <i>Autonomous & integrated systems</i> • <i>Information integrity & encryption</i>
6. Plantation Crops	• <i>Yield</i> • <i>Development of downstream products</i>
7. Transportation	• <i>Energy consumption & environmental conservation</i> • <i>Design engineering</i> • <i>Intelligent transportation system</i>
8. Waste Management	• <i>Solid waste transport, treatment and disposal</i>
9. Water Security	• <i>Source</i> • <i>Processing</i>

Cross cutting & Convergence Areas

Cross Cutting Areas	Key Technology Areas
Biotechnology	• <i>Agriculture</i> • <i>Health</i> • <i>Industry</i>
Electronics	• <i>Sensors</i> • <i>Wireless</i> • <i>Energy saving & harvesting devices</i>
Information & Communication Technology	• <i>Communication</i> • <i>Security</i> • <i>Infrastructure</i> • <i>Interface</i>
Material Science	• <i>Materials</i> • <i>Performance improvement</i> • <i>Process</i>
Nanotechnology	• <i>Nano-materials</i> • <i>Structured Nano-materials</i>

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Thank You

