

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



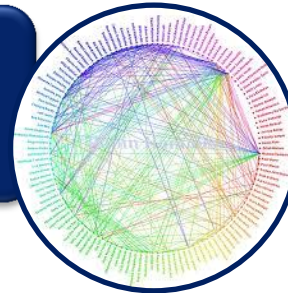
Themes



**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	<ul style="list-style-type: none"> • <i>Design engineering</i> • <i>Assembling (Robotics & automation)</i>
2. Food Security	<ul style="list-style-type: none"> • <i>Breeding(Non Production)</i> • <i>Processing& preservation</i> • <i>Production</i>
3. Future Energy	<ul style="list-style-type: none"> • <i>Source & production</i> • <i>Storage & distribution</i>
4. Medical & Healthcare	<ul style="list-style-type: none"> • <i>Advance detection, diagnostics & prevention</i> • <i>Artificial organs & prosthetics</i>
5. National Security & Domestic Safety	<ul style="list-style-type: none"> • <i>Autonomous & integrated systems</i> • <i>Information integrity & encryption</i>
6. Plantation Crops	<ul style="list-style-type: none"> • <i>Yield</i> • <i>Development of downstream products</i>
7. Transportation	<ul style="list-style-type: none"> • <i>Energy consumption & environmental conservation</i> • <i>Design engineering</i> • <i>Intelligent transportation system</i>
8. Waste Management	<ul style="list-style-type: none"> • <i>Solid waste transport, treatment and disposal</i>
9. Water Security	<ul style="list-style-type: none"> • <i>Source</i> • <i>Processing</i>

Cross cutting & Convergence Areas

Cross Cutting Areas

Key Technology Areas

Biotechnology

- *Agriculture*
- *Health*
- *Industry*

Electronics

- *Sensors*
- *Wireless*
- *Energy saving & harvesting devices*

Information & Communication Technology

- *Communication*
- *Security*
- *Infrastructure*
- *Interface*

Material Science

- *Materials*
- *Performance improvement*
- *Process*

Nanotechnology

- *Nano-materials*
- *Structured Nano-materials*

MIGHT
Thank You

