



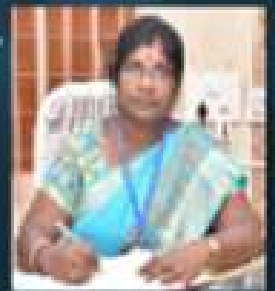
**N.M.S SERMATHAI VASAN COLLEGE FOR
WOMEN - MADURAI**



Expert Talk on Technology Readiness Level



22-FEB-2023 @ 11AM



**Dr.KIRUTHIGA DEVI M
Associate professor
Dr.M.G.R Educational
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M.Sc.,M.Phil,(Ph.D)
Principal & IIC Chairman**

The Management ,Principal,Faculties Welcomes You All

Global Innovation Index 2021

- Launched by World Intellectual Property Organization (WIPO), a specialized agency of UN
- Theme: **Tracking Innovation through the COVID-19 Crisis**
- The index ranks 132 world economies on roughly 80 indicators grouped into innovation inputs and outputs.

India's performance in GI:
Overall rank in GI: **81** (2015) to **46** (2021)

Indicator-wise rank in GI 2021:
Innovation Input: **57**, Innovation Output: **45**

Patent count in India:
16,917 (2011), 37,880 (2020)

7.6% Rate of growth of publication of scientific articles worldwide in 2020.

Annual spending on R&D as a % of GDP:
0.6-0.7% (by India), 4.3% (by Israel)

India at 2nd rank - Among the 34 lower middle-income group

Innovation Index
The table lists the score and ranking of 17 major States in the third edition of NITI Aayog's India Innovation Index. Karnataka ranked first followed by Telangana and Haryana while Chhattisgarh, Odisha and Bihar were ranked at the bottom of the index

| State | Score | Rank | State | Score | Rank |
|---------------|-------|------|--------------|-------|------|
| Karnataka | 18.01 | 1 | M.P. | 12.74 | 13 |
| Telangana | 17.66 | 2 | Gujarat | 12.41 | 14 |
| Haryana | 16.90 | 3 | Bihar | 11.58 | 15 |
| Uttar Pradesh | 16.00 | 4 | Odisha | 11.42 | 16 |
| Tamil Nadu | 15.69 | 5 | Chhattisgarh | 10.97 | 17 |

kiruthiga devi is presenting

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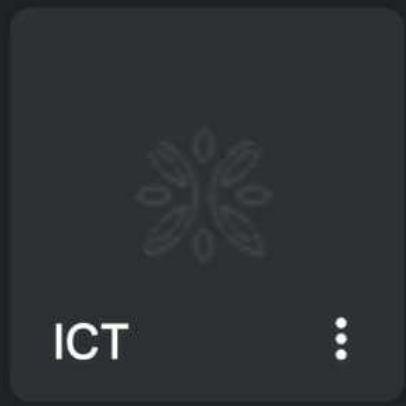
EUROPEAN UNION (EU) TECHNOLOGY READINESS LEVELS

- European Union (EU) normalized the NASA readiness-level definitions, allowing for easier translation to multiple industry sectors – not just space exploration.
- TRL started using in EU-funded research and innovation projects in 2014.
- In 2013, the TRL scale was further canonized by the [ISO 16290:2013](#) standard.

TECHNOLOGY READINESS LEVEL (TRL)

| | |
|---|---|
| 9 | ACTUAL SYSTEM PROVEN IN OPERATIONAL ENVIRONMENT |
| 8 | SYSTEM COMPLETE AND QUALIFIED |
| 7 | SYSTEM PROTOTYPE DEMONSTRATION IN OPERATIONAL ENVIRONMENT |
| 6 | TECHNOLOGY DEMONSTRATED IN RELEVANT ENVIRONMENT |
| 5 | TECHNOLOGY VALIDATED IN RELEVANT ENVIRONMENT |
| 4 | TECHNOLOGY VALIDATED IN LAB |
| 3 | EXPERIMENTAL PROOF OF CONCEPT |
| 2 | TECHNOLOGY CONCEPT FORMULATED |
| 1 | BASIC PRINCIPLES OBSERVED |

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Navigation icons: End Call, Mute, Unmute, Hand, More

EDITION NO

2,599

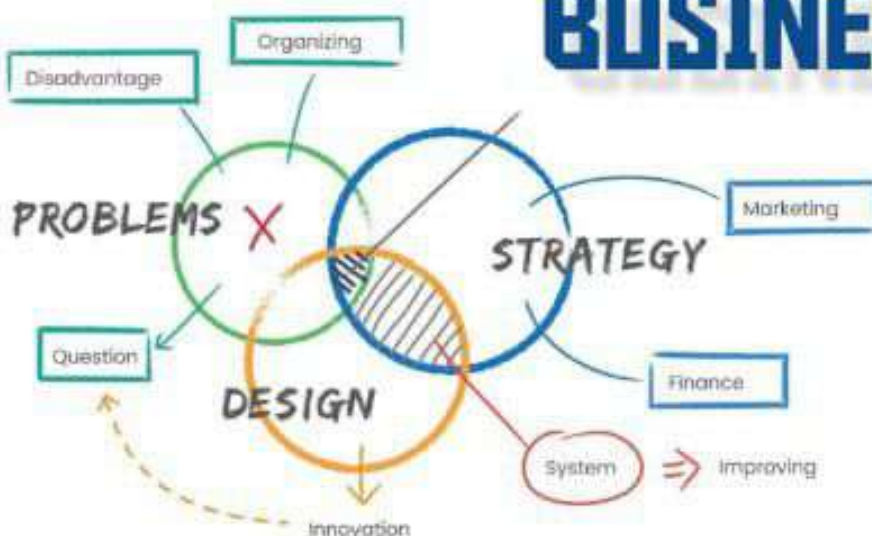
SESSION ON

BUSINESS MODEL

CANVAS

23 JUNE 2023

(11:30 AM - 01:30 PM)



Hosted by



N.M.S Sermathai Vasan College for Women
Madurai



K ARUL

Head - Logistics & Supply Chain
E-Crusaders



