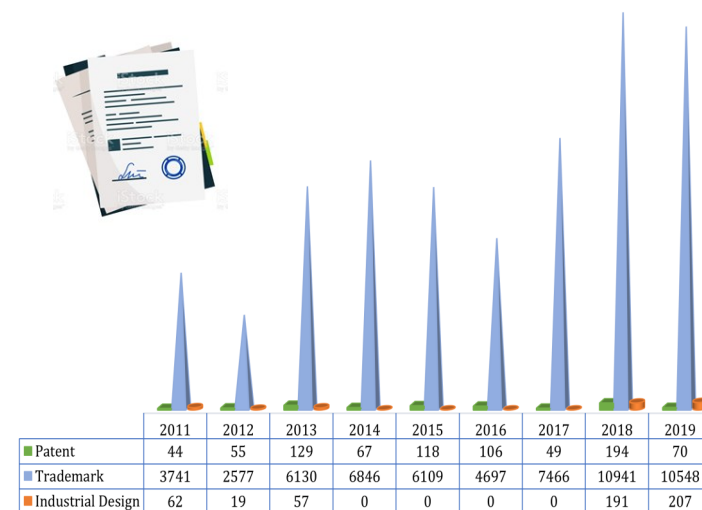
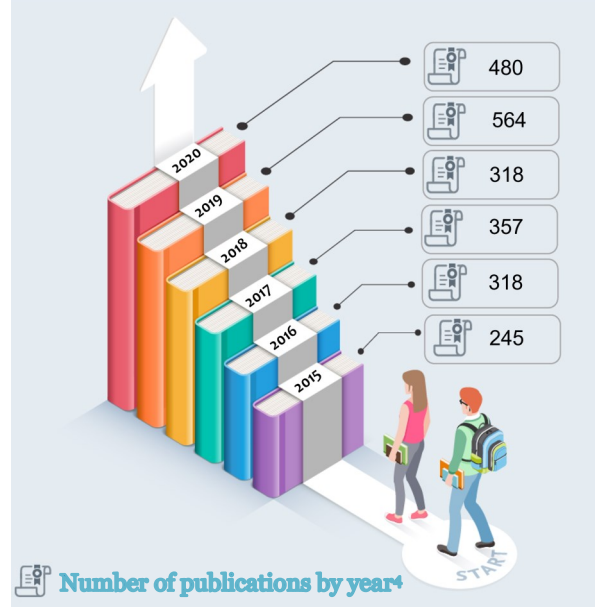


## PUBLICATIONS AND IP FILINGS<sup>5</sup>



There has been a radical increase in the number of applications for trademark. The increase in patent has been fluctuating over the years and much lower compared to trademark. There has been a sharp increase in industrial designs as from 2017. There is no data for utility models and PCT patents.

## DEFINITIONS<sup>6</sup>

- ♦ **Research and Experimental Development:** Research is creative work and original investigation undertaken on a systematic basis to gain new knowledge, including knowledge of humanity, culture and society. Experimental development is the application of research findings or other scientific knowledge for the creation of new or significantly improved products, applications or processes.
- ♦ **Researchers:** Researchers are professionals engaged in the conception or creation of new knowledge, products, processes, methods and systems and also in the planning and management of the projects concerned. Researchers include managers and administrators engaged in the planning and management of the scientific and technical aspects of a researcher's work.
- ♦ **Full Time Equivalence (FTE):** FTE data measure the volume of human resources in R&D. One FTE may be thought of as one person-year. That is 1 FTE is equal to 1 person working full-time on R&D for a period of 1 year or more persons working part-time or for a shorter period corresponding to one person-year.
- ♦ **Gross Domestic Product (GDP) :** Gross domestic product is the total monetary or market value of all the finished goods and services produced within a country's borders in a specific time period. As a broad measure of overall domestic production, it functions as a comprehensive scorecard of a given country's economic health.
- ♦ **Intellectual Property:** Intellectual property (IP) refers to creations of the mind, such as inventions; literary and artistic works; designs; and symbols, names and images used in commerce.
- ♦ **IP filings:** It refers to the 'number of applications for trademarks, patents and industrial designs.' Applications consist of resident, non-resident and abroad filings. A resident filing refers to an application filed in the country by its own resident; whereas a non-resident filing refers to the one filed by a foreign applicant. An abroad filing refers to an application filed by this country's resident at a foreign office.

### Editorial Board

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### Mauritius Research and Innovation Council

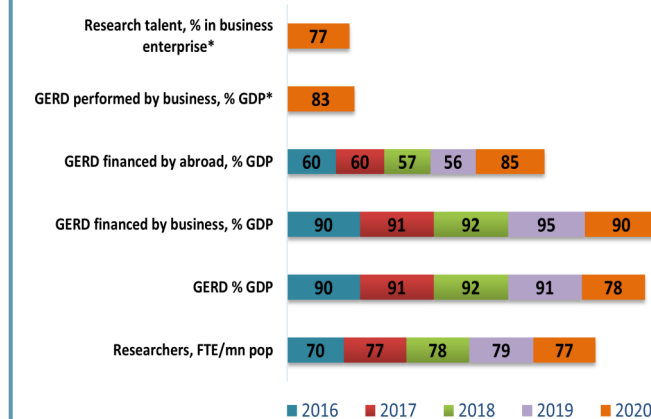
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The Council would like to acknowledge all the ministries, parastatal bodies, tertiary institutions, business enterprises and private non-profit organisations who participated in the R&D survey and submitted the requested data.



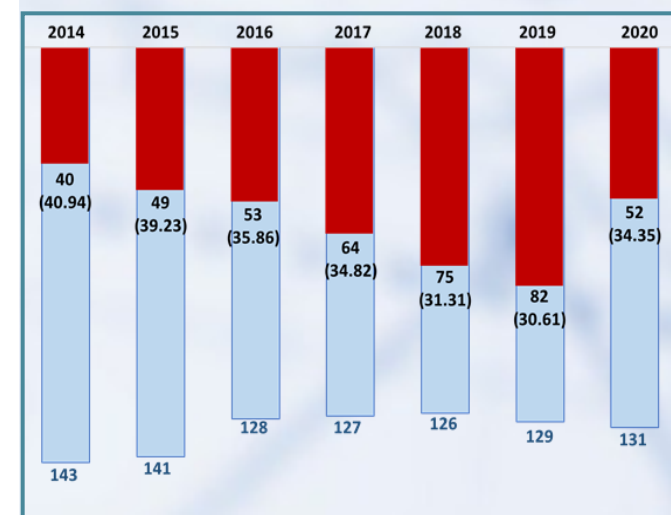
# R&D Indicators Factsheet - 2021: Issue 2

## Ranking of Mauritius in R&D Related Indicators of the GII



\* Data for these 2 indicators were not available for the years 2016-2019.

## Overall Ranking of Mauritius in GII

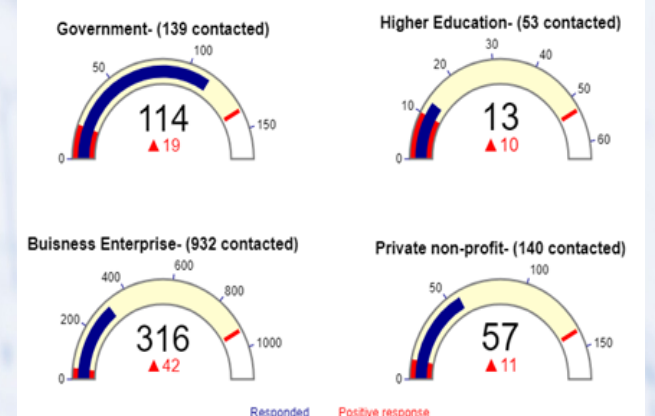


Mauritius has improved from 82<sup>nd</sup> to 52<sup>nd</sup> position and is now ranked 1<sup>st</sup> in the Sub-Saharan African Countries. Significant improvements have been observed for the pillars Institutions, Capital and Research, Market Sophistication, Knowledge and Technology outputs and Creative Outputs. Positive impact has been observed for the 6 R&D indicators in the GII following submission of national R&D data by MRIC to UNESCO.

This is the second issue of the Research and Development (R&D) Indicators factsheet, launched by the Mauritius Research and Innovation Council (MRIC). The factsheet presents a portrait of R&D inputs and outputs in Mauritius for the financial year 2020/2021. The MRIC collects data on number of research personnel and share of investment devoted to broad fields of science by sector, using a national survey based on established methodologies (OECD Frascati Manual, 2015). The R&D output was evaluated by the number of publications (2015 – 2020) and Intellectual Property filings (2011-2019) using the Scopus and the World Intellectual Property Organization databases. The total R&D expenditure amounts to 0.37 % GDP, with the Government sector contributing about 54% of research investment, followed by Higher Education (22%), Business (19 %) and Private non-profit (5%) sectors. The Government sector invests a significant share of its R&D GDP in Agricultural Research while the business sector prioritizes the engineering field. The total number of researchers amounts to 699.96 FTE, which is equivalent to 553 researchers FTE per million of inhabitants.

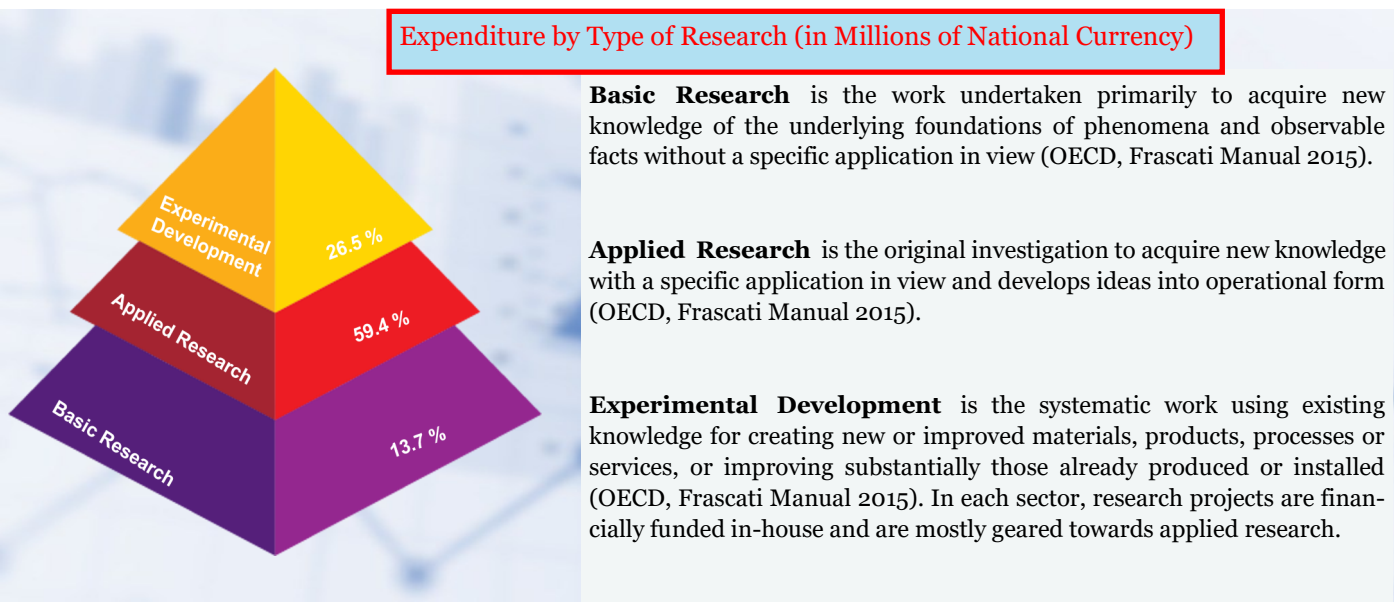
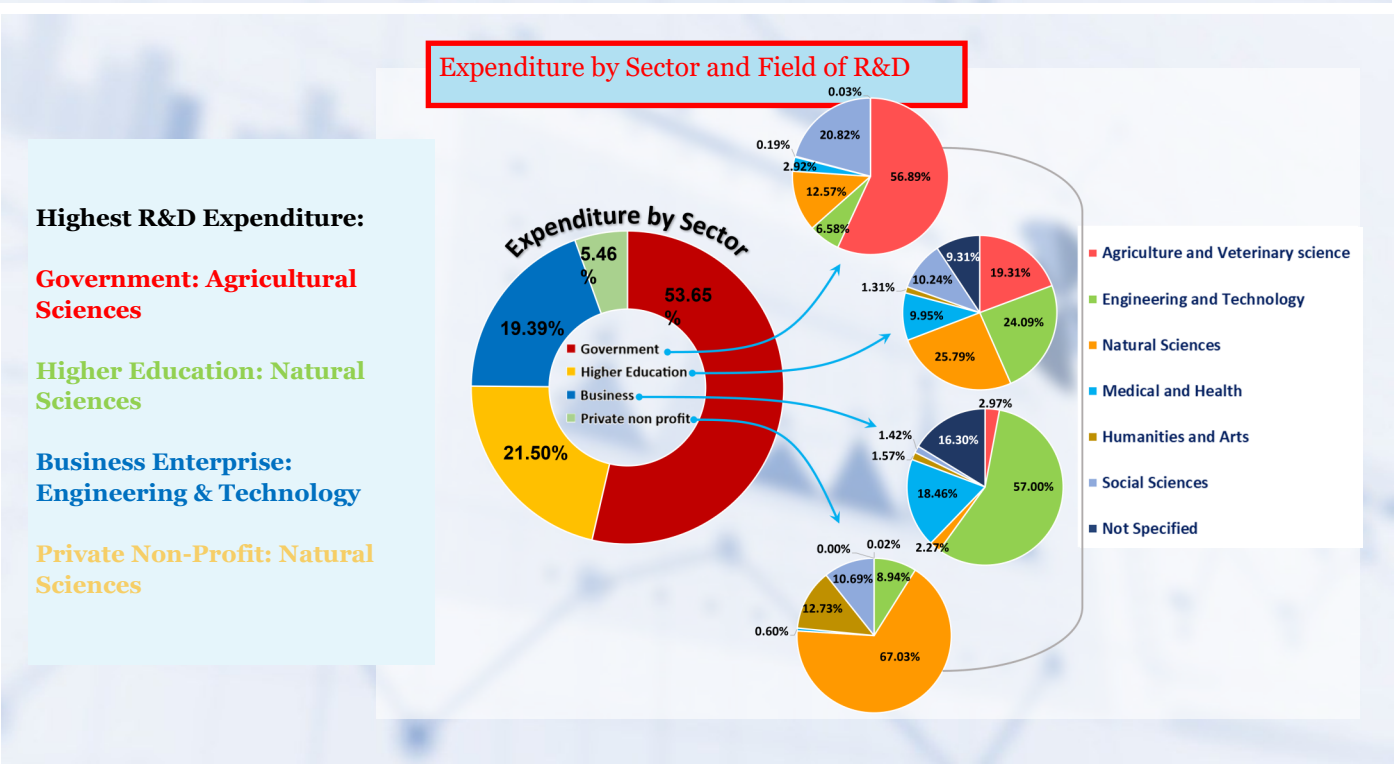
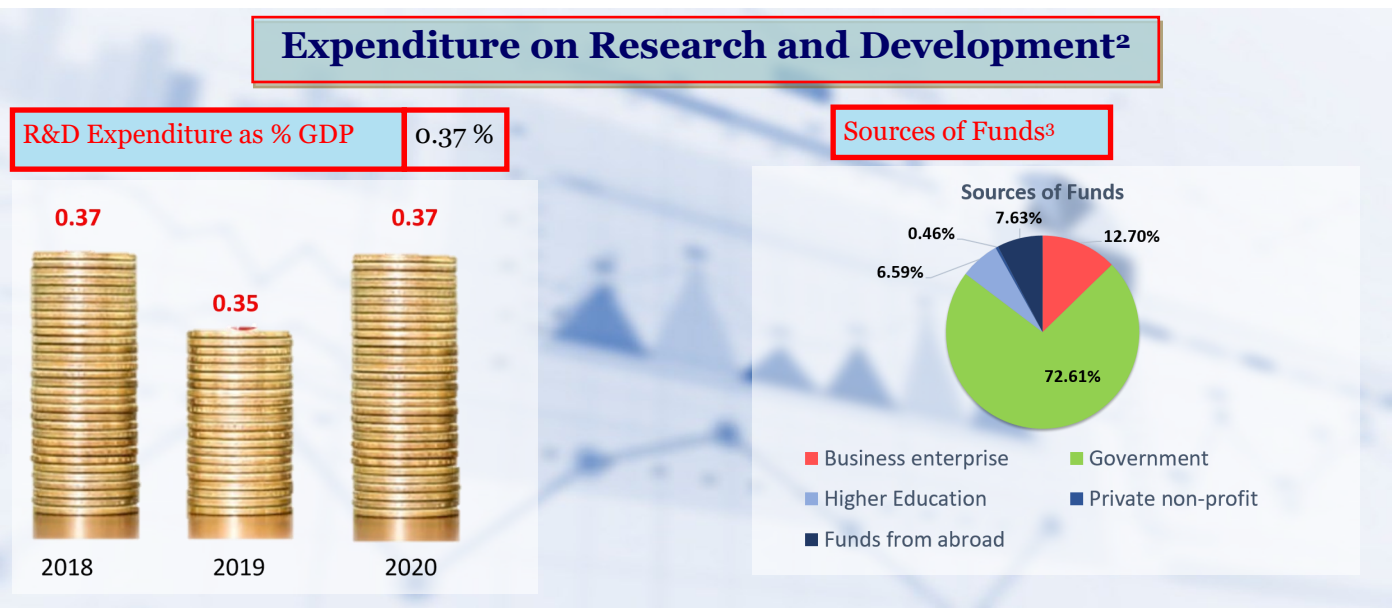
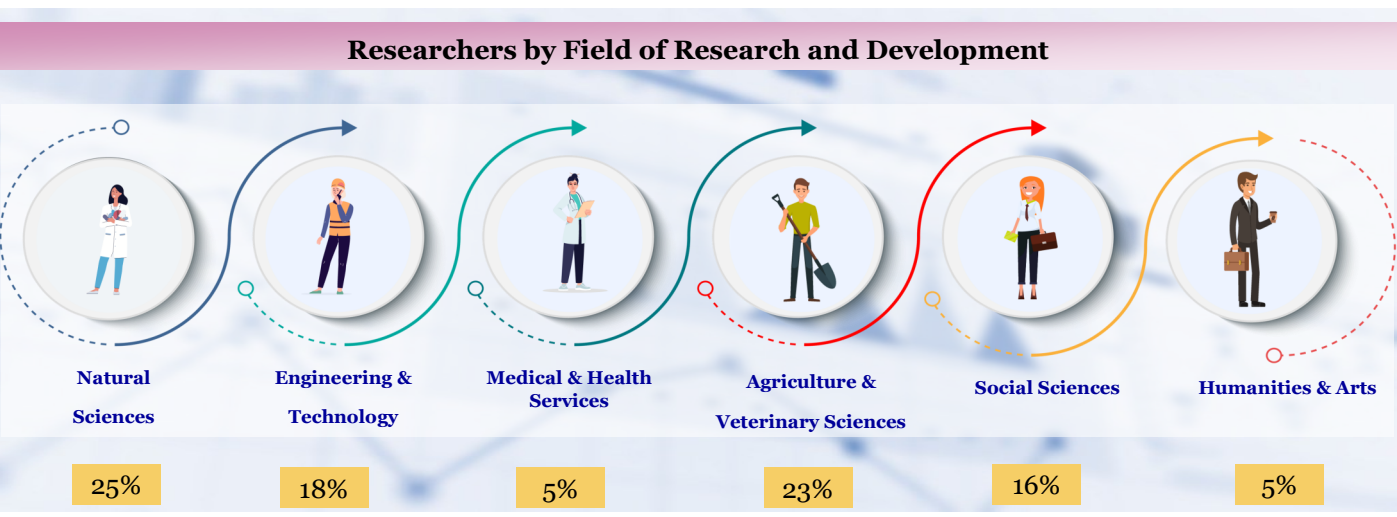
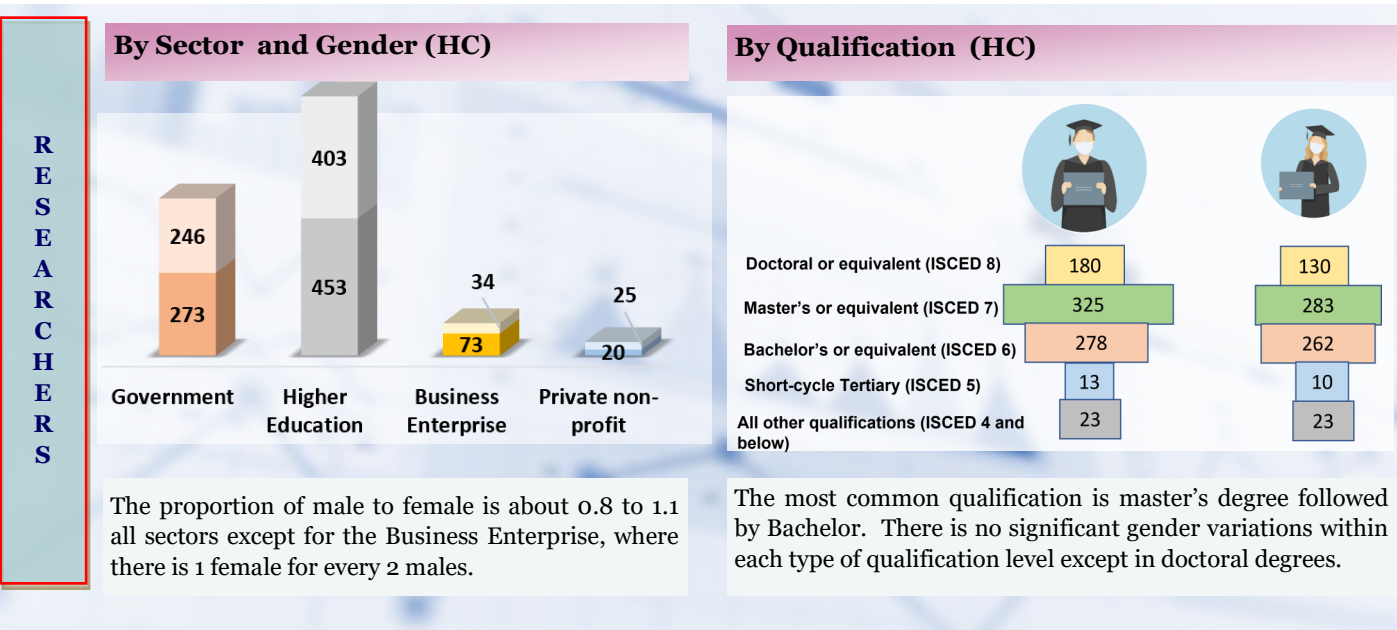
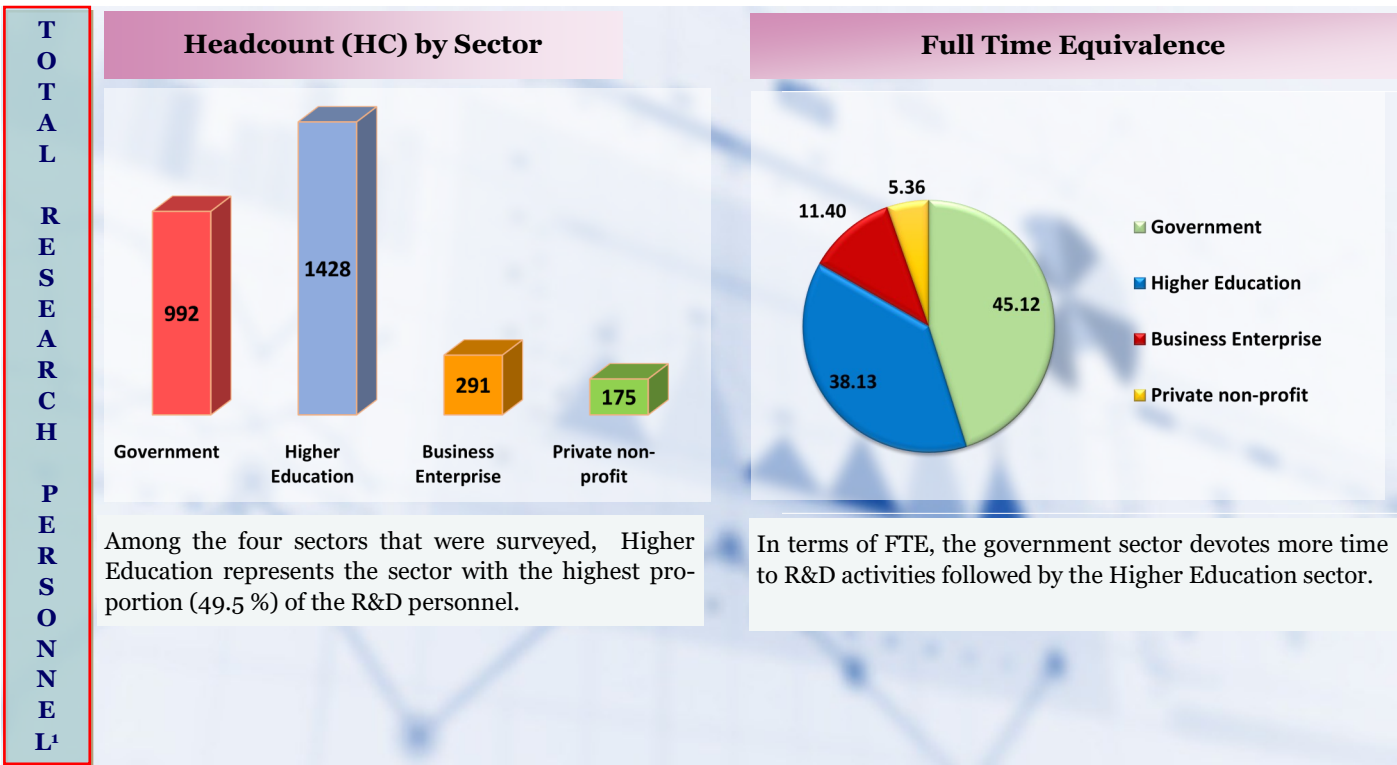
## UNESCO R&D Survey Details

### Response Rate



Surveys on Research and Experimental Development based on UNESCO template are sent to Public, Private, Education and Private non-profit institutions. The data collected on Human Resource and Expenditure covers the period for the financial year July 2019 to June 2020.





1. Research Personnel includes researchers, technicians and support staff.

2. The data for the R&D expenditure is drawn from the survey and secondary sources such as Databases of HEC  
 3. Sources of funds include all current and capital expenditure.