## Research Publications by Calendar Year



- 2020: 137
- 2021: 161
- 2022: 276
- 2023: 657
- 2024: 801

## Citations by Calendar Year



- 2020: 655
- 2021: 1071
- 2022: 1713
- 2023: 4428
- 2024: 7358

**Total Citations 16702**

## Total Research Publications



Total **2562** Publications

- 1281 Conference Papers
- 1281 Journal Articles
- 83 Book Chapters

## Quality Journal Publications



Total **1280** Quartile Journals

- Q1 - **212**
- Q2 - **360**
- Q3 - **455**
- Q4 - **255**

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- 2020: 16
- 2021: 21
- 2022: 26
- 2023: 47
- 2024: 60
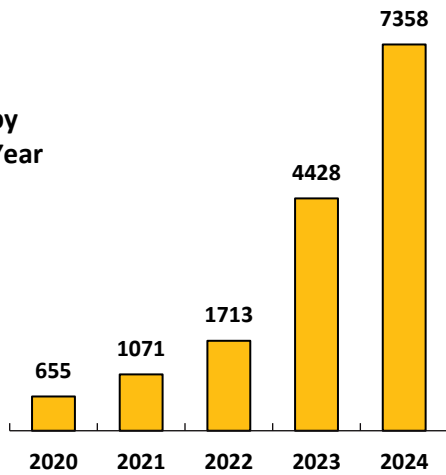
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## Journal Articles & Conference Papers by Calendar Year

| YEAR | JOURNAL ARTICLES | CONFERENCE PAPERS |
|---|---|---|
| 2020 | 63 | 68 |
| 2021 | 45 | 100 |
| 2022 | 143 | 118 |
| 2023 | 237 | 397 |
| 2024 | 298 | 455 |
| TOTAL | 786 | 1138 |
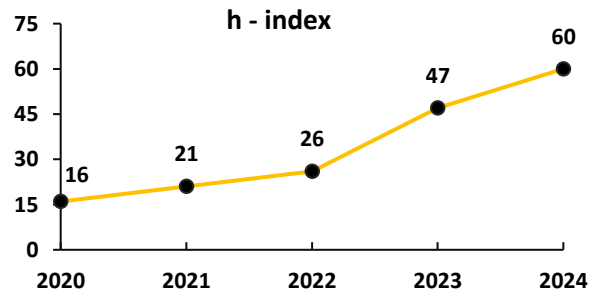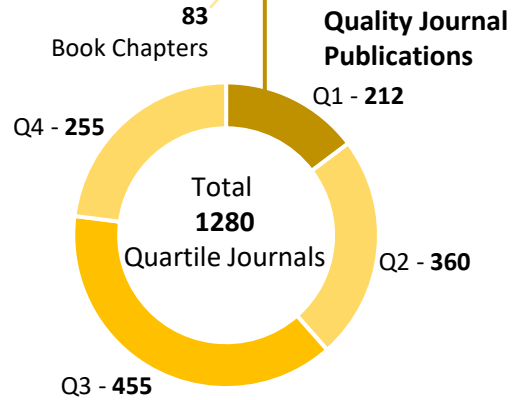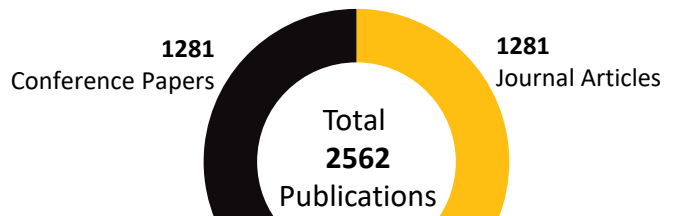
## Patent Grants by Calendar Year



- 2020 - 03
- 2021 - 06
- 2022 - 03
- 2023 - 11
- 2024 - 20
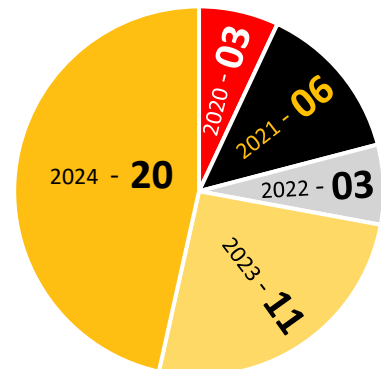
## Intellectual Property Assets

- **763** Patent Applications
- **43** Patents Granted
- **86** Designs Granted
- **38** Copyrights Registered
- **01** Trademark Registered
- **17** IPRs Commercialized

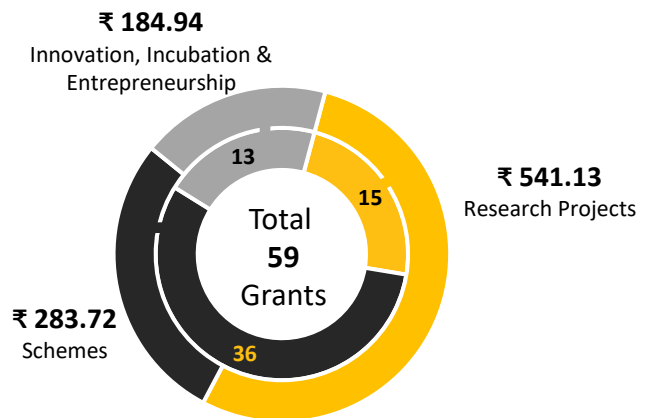## SEED Money Grant Funding by Academic Year (Rupees in Lakhs)

Bar chart values:
- 2019-20: ₹ 3.90
- 2020-21: ₹ 10.33
- 2021-22: ₹ 17.32
- 2022-23: ₹ 21.73
- 2023-24: ₹ 12.75

## Research Expenditure by Academic Year (Rupees in Lakhs)

Donut chart — Total ₹ 239.66
- ₹ 20.86 — 2019-20
- ₹ 25.59 — 2020-21
- ₹ 46.69 — 2021-22
- ₹ 61.23 — 2022-23
- ₹ 85.29 — 2023-24
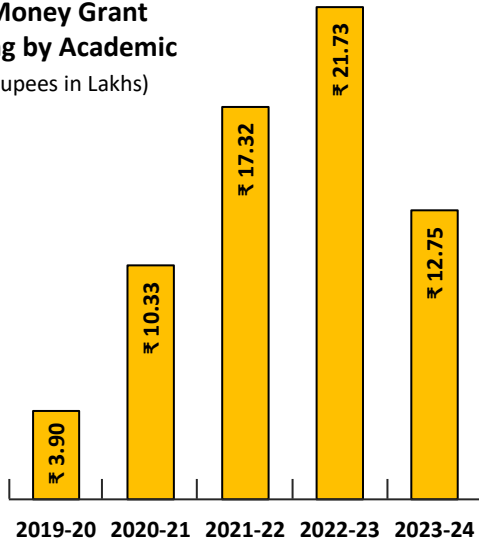
## Amount Received through Industrial Consultancy by Academic Year

| ACADEMIC YEAR | NUMBER OF PROJECTS | AMOUNT (in Lakhs) |
|---|---|---|
| 2018-19 | 03 | ₹ 8.37 |
| 2019-20 | 07 | ₹ 31.05 |
| 2020-21 | 07 | ₹ 10.66 |
| 2021-22 | 10 | ₹ 11.76 |
| 2022-23 | 04 | ₹ 8.5 |
| **TOTAL** | **31** | **₹ 70.34** |
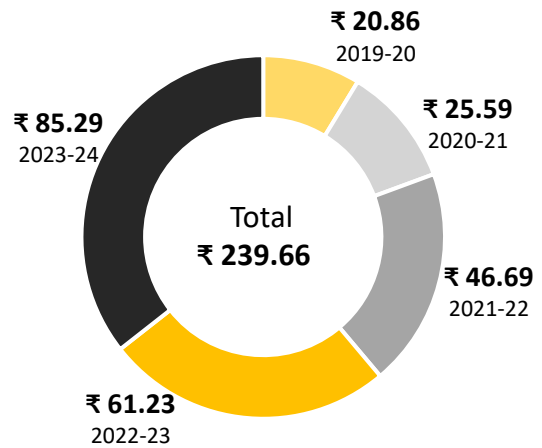
## External Funded Grants (Rupees in Lakhs)

Donut chart — Total 59 Grants
- ₹ 184.94 — Innovation, Incubation & Entrepreneurship — 13
- ₹ 541.13 — Research Projects — 15
- ₹ 283.72 — Schemes — 36

| Total Amount through Grants | ₹ 1009.79 Lakhs |
|---|---|

| RESEARCH AND EDUCATION CENTERS | COST OF EQUIPMENT (RUPEES IN LAKHS) |
|---|---|
| Center for Artificial Intelligence and Deep Learning Solutions | 27,98,370 |
| Center for Big Data Computing | 9,10,000 |
| Center for Cloud Computing Development | 8,00,000 |
| Center for Developing AR/VR Solutions | 22,98,370 |
| Center for Digital Forensics and Cyber Operations | 4,20,000 |
| Center for IoT, Sensor and Instrumentation Engineering | 44,60,000 |
| Center for Aerospace Research and Development | 1,34,08,000 |
| Center for Materials Testing and Characterization | 14,16,000 |
| Center for Advanced New Materials and Energy Research | 5,90,377 |
| Center for Research on Alternative Energy Sources | 49,25,000 |
| Center for Analysis and Design of Structures | 6,00,000 |
| **TOTAL** | **3,26,26,117** |