

Annual Report

2021-2022



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD)

Re-accredited with A++ Grade by NAAC. Recognised by UGC Under Section 12 B

Coimbatore - 641 043, Tamil Nadu, India

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From the desks of



Dr. Meenakshisundaram
Managing Trustee

The great visionaries and educational stalwarts Dr. T.S. Avinashilingam and Dr. Rajammal P. Devadas established the Avinashilingam Institute for Home Science and Higher Education for Women in 1957 and nurtured it to its current height. The orthodox institution has claimed a principal position in the arena of women's education over a period of 63 years and has evolved with a lot of courage and great commitment. The sole responsibility is to inculcate education and promote research exclusively for the upliftment of the women's community. The institution has made its brand with an "A++" grade by the NAAC in 2021 for its outstanding records and achievements in academic and research excellence and is rated as one of the top-ranked institutes in the country. The institution fosters overall development with a focus on academics, research, sports, and a series of student-led initiatives under NSS, NCC, and Community outreach programs in rural and urban areas.



Prof. S.P. Thyagarajan
Chancellor

Avinashilingam Institute for Home Science and Higher Education for Women has a rich legacy of building women as global citizens integrated with knowledge, skills, attitude, and value systems. The institution's philosophy is guided by a pedagogy that had encouraged the students to explore new domains of global knowledge to evolve as locally relevant and societally contributing coupled with employability and entrepreneurial skills. The institution has always been a beacon of excellence in higher education with an international reputation for value systems and cultural standards. More preciously, it has provided a creative environment for girls to freely develop, express views, and evolves as analytical and innovative youth of India. The institution offers Outcome-Based Higher Education in Arts, Social Sciences, Humanities, Emerging areas of Engineering & Technology, and cutting-edge areas of Basic and Applied Sciences catering to more than 8000 students. The faculty members are renowned for their meritorious profile, and versatile talent and are dedicated to the development of the institution.

From the desks of



Dr. Bharathi Harishankar
Vice Chancellor

Tradition and creativity, charisma and charm, excellence, and exuberance remain the core values of Avinashilingam Institute. The Institute provides an ambiance that is progressive, and challenging and strives to instill a desire for creativity and lifelong learning in the students so that they spur the momentum to change the future. Thousands of students have metamorphosed every year toward living their radiant future. We rely on and promote education through values, culture, and integrity and encourage the individual to bring out innovativeness and social responsibility. Our outstanding alumni have spread across the globe in all dimensions and excel in the pace of metamorphosis from our grounds. Our institution houses cutting-edge infrastructure and state-of-the-art technology that facilitates the student's needs. The teaching and learning are multi-dimensional and are supported by smart classrooms, a robust library, IT labs, language labs, hi-tech seminar halls, an auditorium, an e-studio, central instrumentation facilities, and many more.



Dr. S. Kowsalya
Registrar

Students of the 21st century have to be prepared to work with people of different cultures in a rapidly changing and challenging environment. Our endeavor for innovation and quest for excellence has received recognition in the form of awards and accolades. Avinashilingam Institute was accredited by NAAC with an A++ in 2021. The uniqueness of the institution is the symbiotic relationship between the faculty and students which strives to provide a stimulating active learning environment attracting young women with exceptional ideas and the desire to build a nation. The fame of the institution is reflected across the globe not only because of its standing ability to provide quality education but also as an alma mater par excellence. Research and application-oriented knowledge have inspired and effectively prepared the students to face the demands of the society they will serve. The unique infrastructure supports breaching the monotony of a top-down approach of teaching supported by cutting-edge research and state-of-the-art laboratories

Vision, Mission, Core Values, and Objectives

We Envisage

“Self-development and empowerment of women through modern, scientific and value-based education to enable them to lead a purposeful life filled with moral and spiritual values”

Through

Providing quality education of global standards on a strong foundation of Indian values and traditions to women students based on advances in science, technology, and societal demands with emphasis on commitment to social progress, peace, harmony, and national integration

Core Values

Academic Excellence, Social Relevance and Women Empowerment, Accountability and Transparency, Diversity and Inclusion, Vitality of Culture and Values

Objectives

- Provide opportunities for the all-round development and excellence in higher education, research and extension Inculcate ethical values, social and moral standards
- Generate awareness among women about their rights and status
- Serve as a centre for national integration by bringing women together and developing an all-India perspective Disseminate the outcomes of research to the society
- Frame policies for the Institute complying with UGC & other Governmental Bodies

Institutional Accolades at a Glance

Accreditations



A++ with
CGPA 3.65



84th rank
among
Universities

Awards



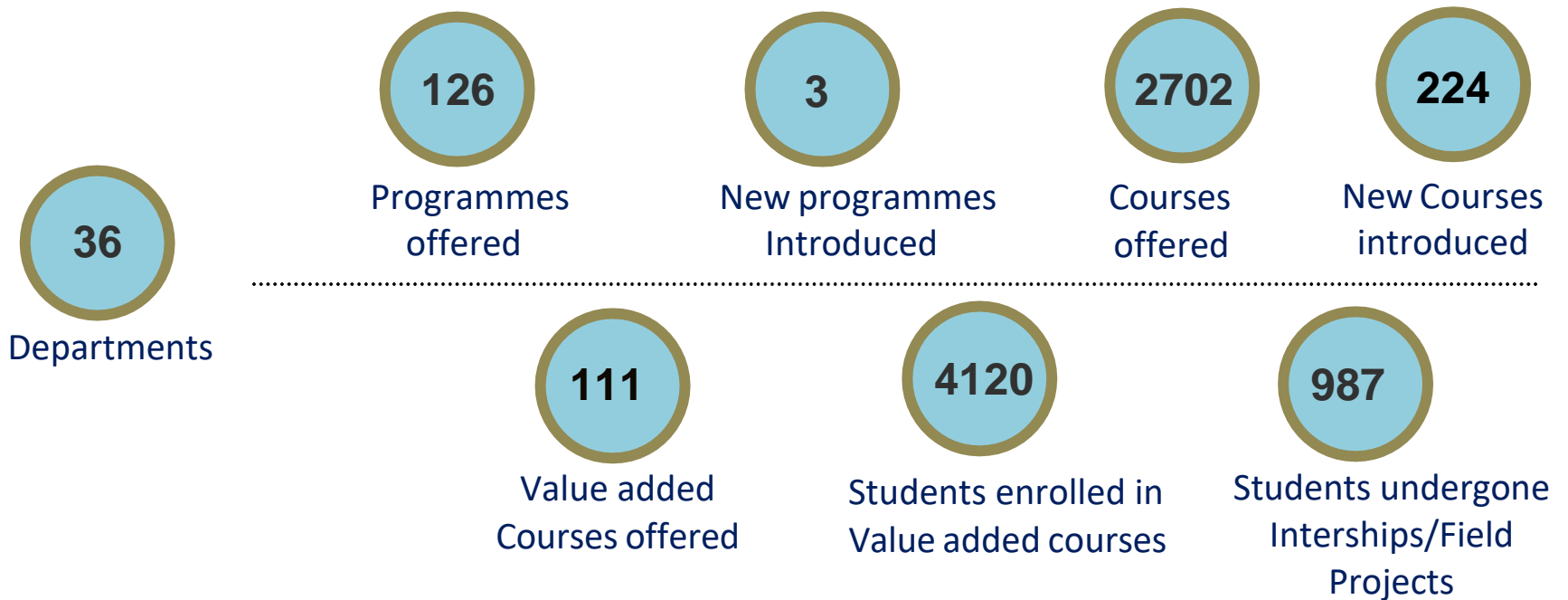
Top 5 HEI (State
University and Deemed
University



ThinkEdu Award
- Continuous Excellence in
Education

Institutional Performance at a Glance

Curricular



Student profile



Teacher Profile



Institutional Performance at a Glance

Research



Activities Organised



Examination



i

n

days

Details of Statutory Bodies

Statutory Body	Dates of Meetings Conducted	List of Members
General Body		Annexure 1
Board of Management	31/08/2021, 20/10/2021, 21/04/2022	Annexure 2
Academic Council	05/10/2021, 12/01/2022	Annexure 3
Finance Committee	19/06/2021, 24/03/2022	Annexure 4
Planning and Monitoring Board		Annexure 5
Building Committee		Annexure 6
Board of Studies		Annexure 7

Schools, Departments and Programmes offered

School of Home Science	11
School of Physical and Computational Sciences	12
School of BioSciences	13
School of Arts and Social Sciences	14
School of Commerce and Management	15
School of Education	16
School of Engineering	17

Schools, Departments and Programmes Offered

**School of
Home
Science**
6
Departments
25
Programmes

Resource Management

B.Sc. Interior Design and Resource Management
M.Sc. Interior Design and Resource Management

Ph. D Resource Management

Food Science and Nutrition

B.Sc. Food Science and Nutrition
M.Sc. Food Science and Nutrition

PG Diploma in Public Health Nutrition
Ph.D. Food Science and Nutrition

Food Service Management and Dietetics

B.Sc. Food Service Management and Dietetics
M.Sc. Food Service Management and Dietetics

PG Diploma in Nutrition and Dietetics
Ph.D Food Service Management and Dietetics

Textiles and Clothing

B.Sc. Textiles and Apparel Designing
B.Voc Textile Dyeing and Printing
M.Sc. Textiles and Fashion Apparel

M.Sc. Biotextiles
Ph.D Textiles and Clothing

Human Development

B.Sc. Human Development
M.Sc. Human Development

Ph.D Human Development

Home Science Extension Education

B.Sc. Rural Development and Sociology
M.Sc. Extension and Communication
M.S.W. Master of Social Work

M.A., Women Studies and Entrepreneurship Development
Ph. D Home Science and Extension
Ph. D Women Studies

Schools, Departments, and Programmes Offered

**School of
Physical and
Computational
Sciences**
5
Departments
18
programmes

Mathematics

B.Sc. Mathematics
M.Sc. Mathematics

Ph.D Mathematics

Physics

B.Sc. Physics
M.Sc Physics

Ph.D Physics

Chemistry

B.Sc. Chemistry
M.Sc Chemistry

Ph.D Chemistry

Computer Science

B.Sc. Computer Science
B.C.A. Computer Application
B.Voc. Artificial Intelligence and Machine Learning

M.Sc. Computer Science
M.C.A.
PG Diploma in Artificial Intelligence
Ph.D Computer Science

Information Technology

B.Sc. Information Technology
M.Sc. Information Technology

Schools, Departments, and Programmes Offered

**School of
Bio-Sciences**
4
Departments
13
programmes

Botany

B.Sc. Botany
M.Sc. Botany

Ph.D Botany

Zoology

B.Sc. Zoology
M.Sc. Zoology

Ph.D Zoology

Biochemistry, Biotechnology and Bioinformatics

B.Sc. Biochemistry and Biotechnology
M.Sc. Biochemistry
M.Sc. Biotechnology
M.Sc. Bio-informatics
B.Sc. Physician Assistant

Ph.D Biochemistry
Ph.D Biotechnology

Schools, Departments, and Programmes Offered

**School of
Arts and
Social
Sciences**
9
Departments
24
programmes

Economics				
B.A. Economics		M.A. Economics		Ph. D Economics
Tamil				
B.A. Tamil		M.A. Tamil		Ph. D Tamil
English				
B.A. English	M.A. English	PG Dip. French	Ph.D English	Ph.D. French
Hindi				
B.A. Functional Hindi		M.A. Hindi and Journalism		Ph.D Hindi
Music				
B.A. Music		M.A. Music		Ph.D Music
Psychology				
B.Sc. Psychology	M.Sc. Applied Psychology	M.Sc. Clinical Psychology		Ph.D Counselling Psychology
Visual Communication				
B.Sc. Visual Communication				
Political Science				
M.A. Political Science				
Sanskrit				
B.A. Sanskrit				

Schools, Departments, and Programmes Offered

**School of
Commerce
and
Management**
3
Departments
14
programmes

Commerce

B.Com
B.Com Computer Applications
B.Com Professional Accounting
B.Com Corporate Secretaryship
M.Com
M.Com Computer Application
Ph.D Commerce

Business Administration

BBA Retail Management
M.B.A
M.B.A IT Organization Administration
Ph.D Business Administration

Tourism Management

B.B.A. Tourism
M.B.A. Tourism and Travel Management
Ph. D Tourism and Management

Schools, Departments, and Programmes Offered

**School of
Education**

3

Departments

13

programmes

Education

B.Ed.,
M.Ed.,
Ph.D Education

Special Education

B.Sc. Special Education and Mathematics
B.ASLP Bachelor in Audiology and Speech
– Language Pathology
B.Ed., Special Education (VI)
B.Ed., Special Education (HI)
M.Ed., Special Education (VI)
M.Ed., Special Education (HI)
Ph.D Special Education

Physical Education

B.Sc. Physical Education
B.P.Ed., Physical Education
Ph.D Physical Education

Schools, Departments and Programmes Offered

**School of
Engineering**
6
Departments
20
programmes

Biomedical Instrumentation Engineering

B.E Biomedical Instrumentation Engineering Ph.D Biomedical Instrumentation Engineering
M.E Medical Electronics B.Voc. Medical Equipment Technology

Civil Engineering

B.E Civil Engineering with Computer Application
Ph.D Civil Engineering

Computer Science and Engineering

B.E Computer Science and Engineering M.E Data Science
B.E Artificial Intelligence and Data Science Ph.D Computer Science and Engineering

Food Processing and Preservation Technology

B.E Food Processing and Preservation Technology Ph.D Food Technology
M.E. Food Technology B.Voc.Food Processing and Engineering

Electronics and Communication Engineering

B.E Electronics and Communication Engineering Integrated M.Tech. Electronics and Communication
M.E Embedded System and VLSI Engineering (Internet of Things)
Ph.D Electronics and Communication Engineering

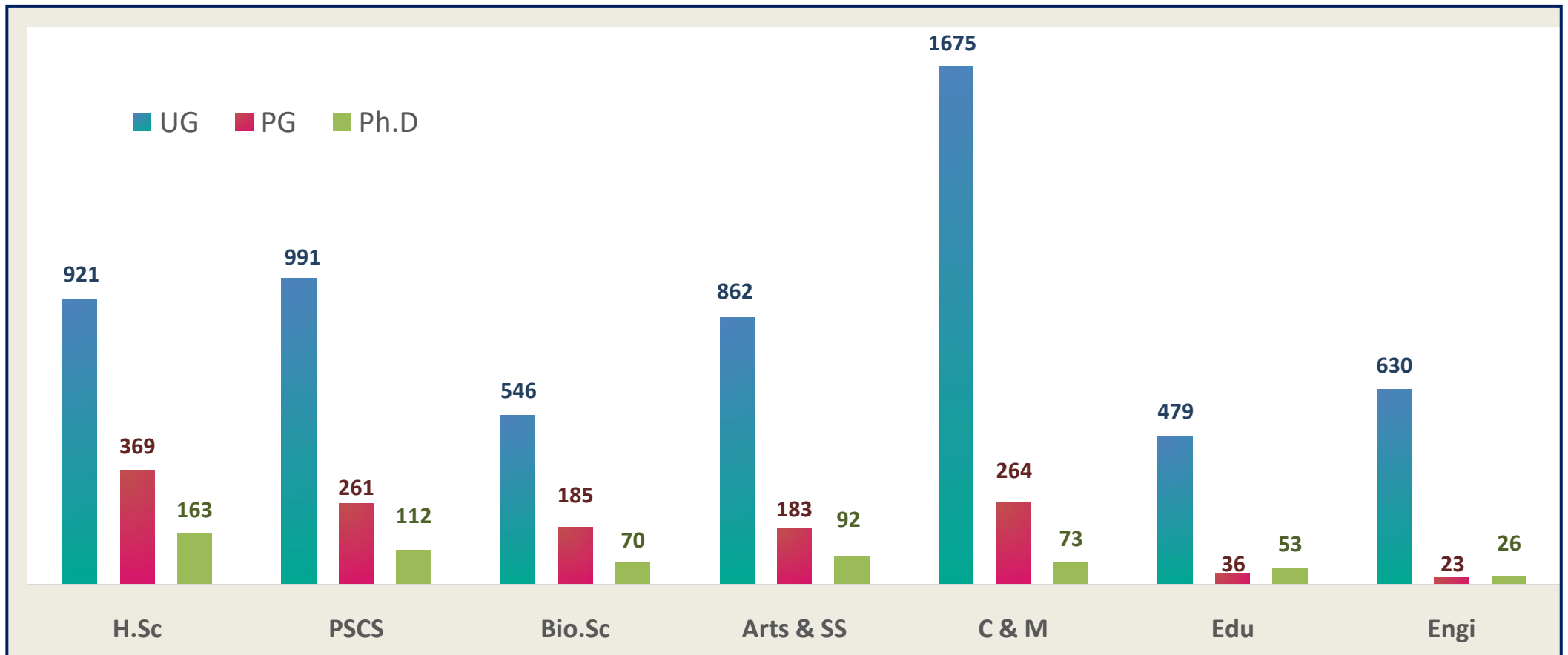
Printing Technology

B.E Printing Technology
Ph.D Printing Technology

Student Profile and Progression

Enrollment	19
Diversity and Inclusion	20
Research Scholars Enrolled	21
Results of UG and PG - Graduated	22
Student progression - Placement and Higher Education	23
Ph.D's Awarded	25

Student Enrolment - School-wise and Level-wise distribution of Students enrolled



Total students enrolled - 8014

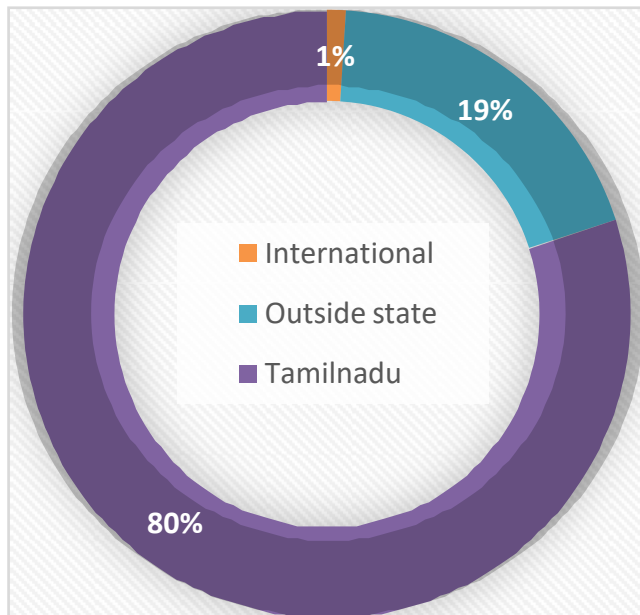
UG - 6104
 PG - 1292
 PG.Dip - 29
 Ph.D - 589

The graph shows a higher enrollment of students in the School of Commerce and Management followed by Physical and Computational Sciences at the UG level. However, the PG and Ph.D. enrollment is at its maximum in the School of Home Science when compared to all other schools.

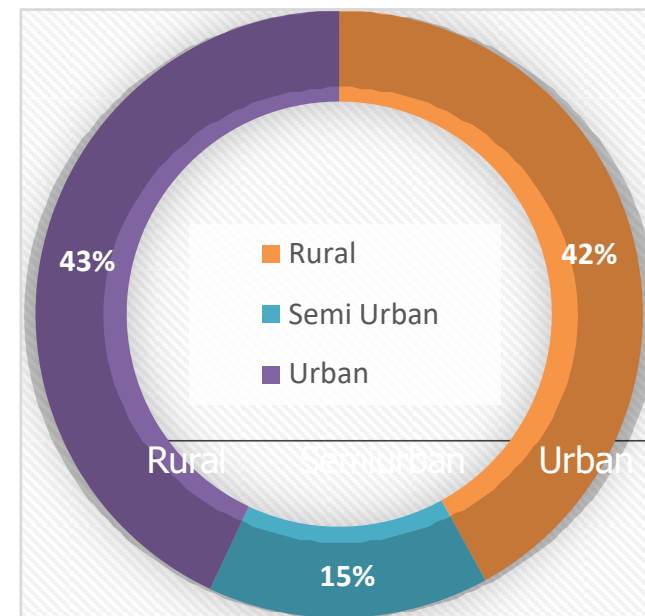
Student Diversity and Inclusion

In line with the vision and mission, the institute embraces the equity dimension in terms of the nature of social inclusion and the social experience of the diverse student group.

Area-wise distribution of students



Area-wise distribution of students



473

Economically backward students

3557

Socially Challenged students

39

Challenged Students

42%

First generation Learners

31%

Single Girl Child

Research Scholars Enrolled

For the academic year 2021-22, 203 scholars registered for doctoral degrees, out of which 2 of them have cleared the JRF. The research progress is guided and monitored according to UGC regulations, 2019. Utmost care is taken to identify a research problem based on societal needs and concerns.

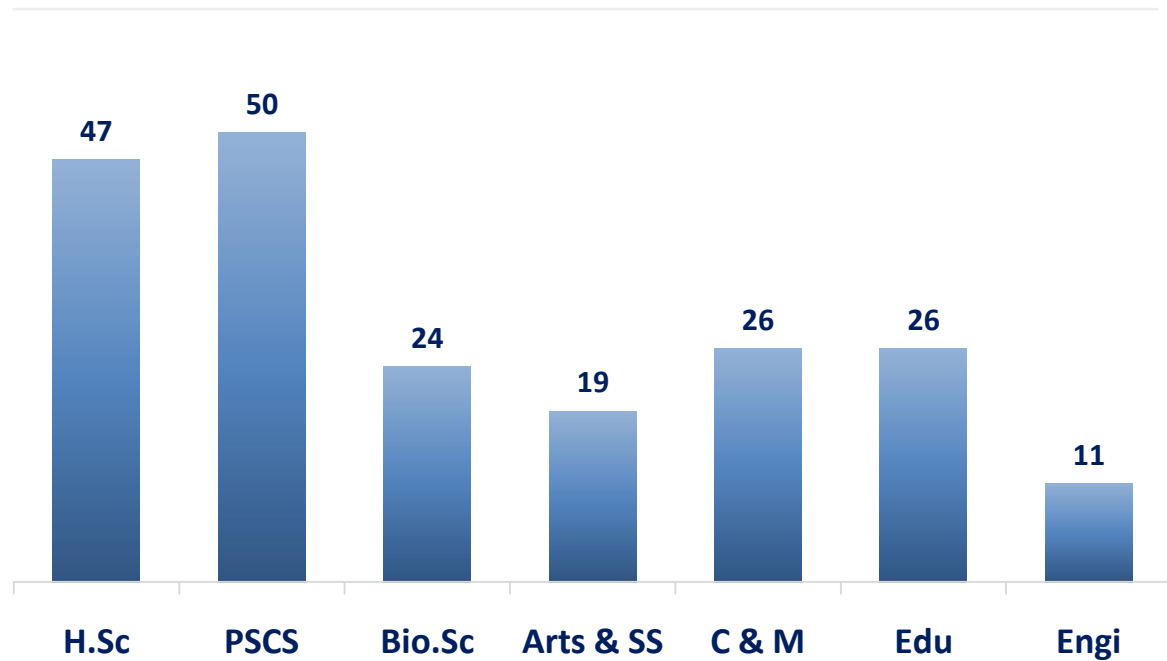
School-wise split of Ph.D's Enrolled

July 2021 Jan 2022

105 **98**

Full-Time Scholars Part-Time Scholars

97 **106**



Results of UG and PG - Graduated



97.72%

of the outgoing students had cleared
their final exams

Registered - 2599

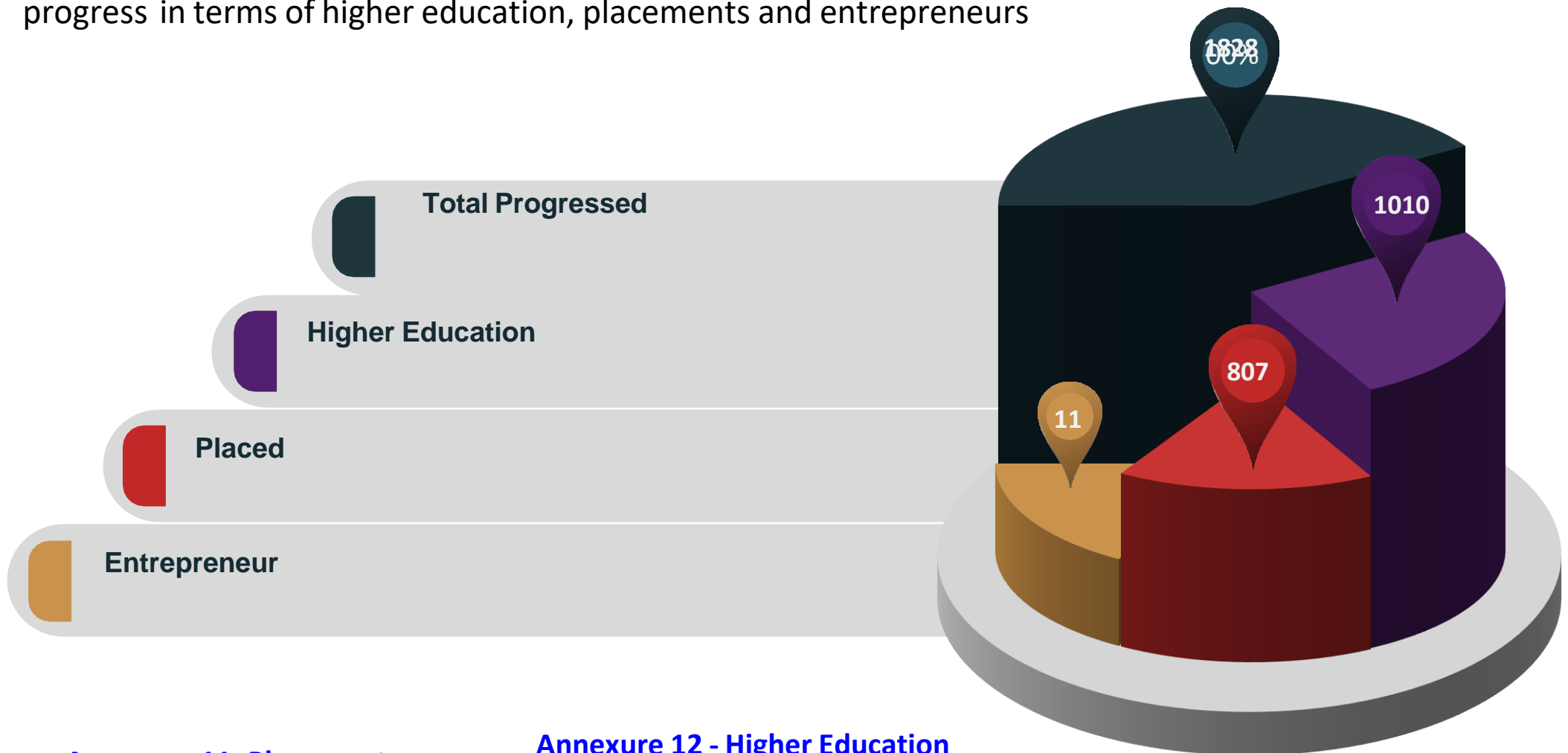
Passed-out - 2540

Level/Programme	Registered	Passed Out
UG	1885	1833
PG	535	529
B.Ed.	159	158
M.Ed.	20	20
Total	2599	2540

[Annexure 10](#)

Student Progression - Placement and Higher Education

The student progression embodies the placement of outgoing students along with their enrolment into higher education and emerging entrepreneurs. During the pandemic period, the institute had taken an immense effort to leverage the progress of students after graduation. Hence 1828 (72%) of a total of 2540 outgoing students had progressed in either of the three ways. The chart below gives a detailed split of the progress in terms of higher education, placements and entrepreneurs

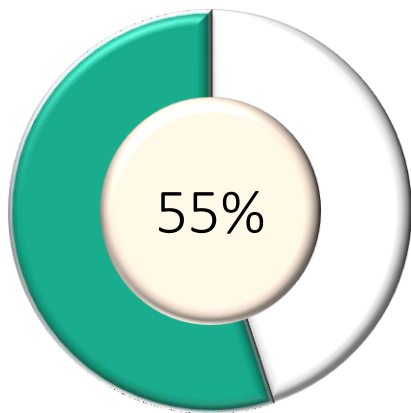


[Annexure 11- Placement](#)

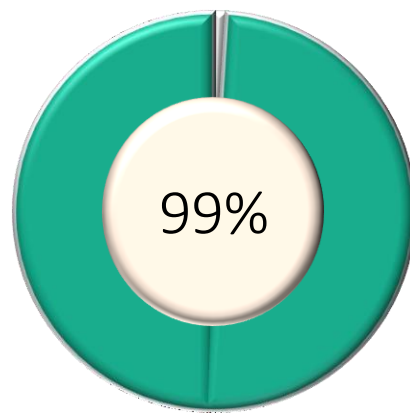
[Annexure 12 - Higher Education](#)

Student Progression - Placement and Higher Education

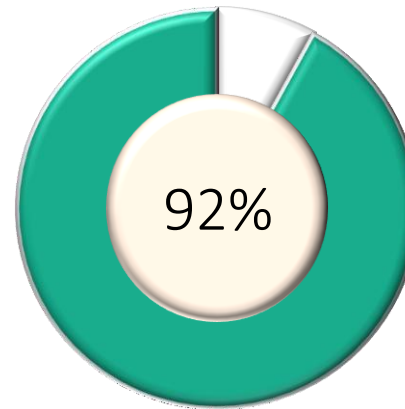
A detailed percentage of the progress of each school is displayed



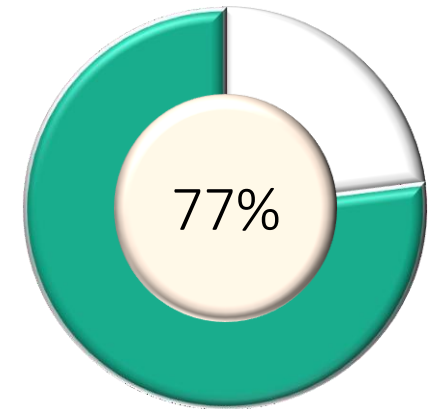
Home Science



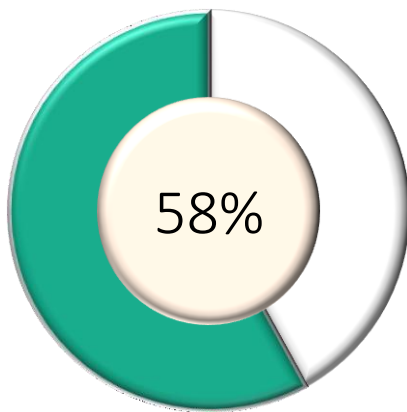
**Physical and
Computational
Sciences**



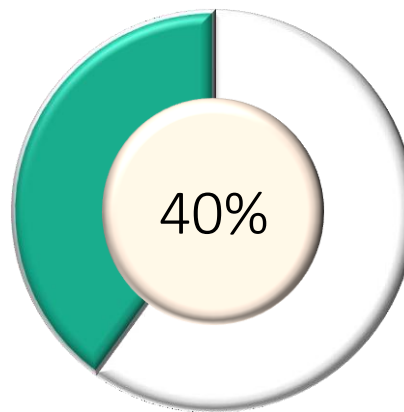
Bio Sciences



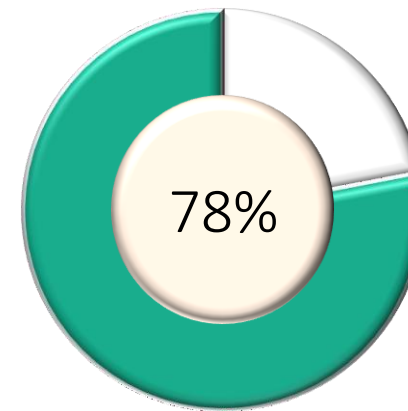
**Arts and Social
Sciences**



**Commerce and
Management**



Education



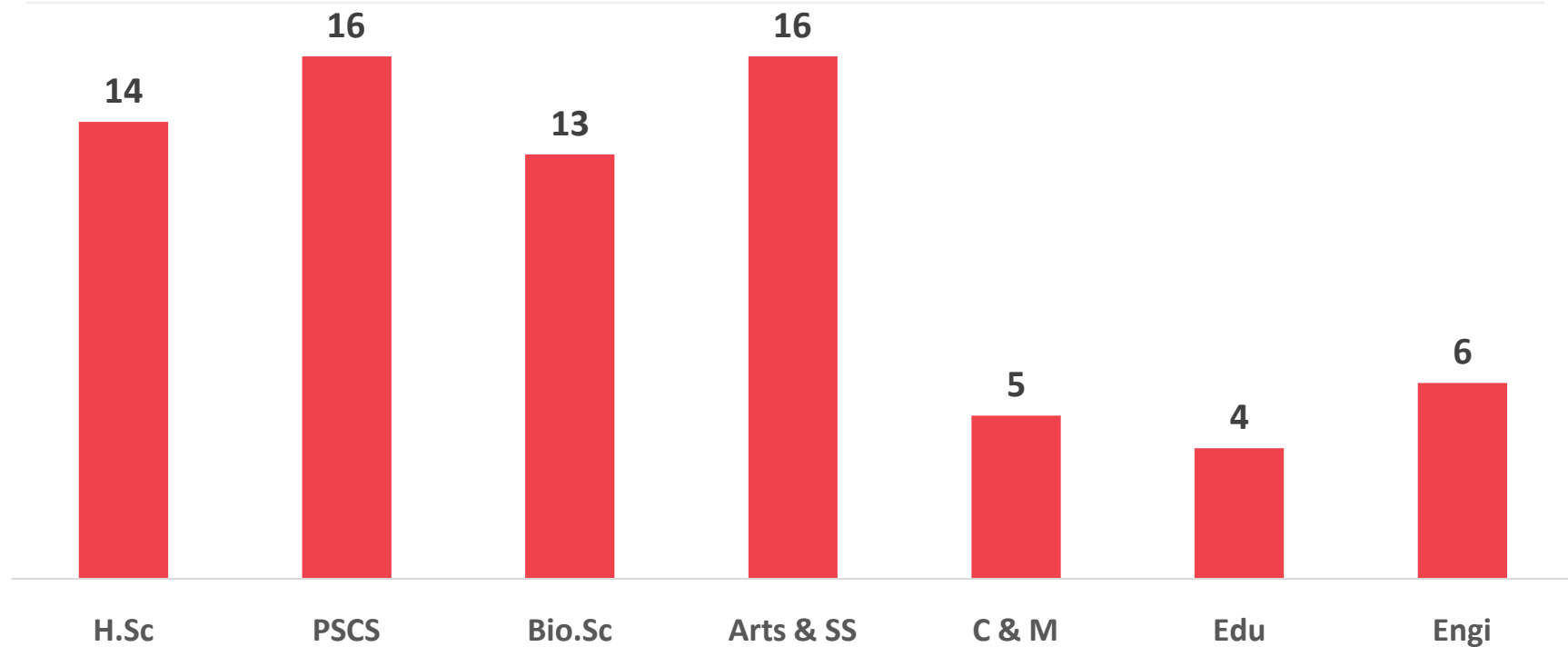
Engineering

Ph.D's Awarded

For the academic year 2021-22, 74 scholars were awarded their doctoral degrees. The award of the degree is guided and monitored according to UGC regulations, 2019.

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School-wise Split of Ph.D's Awarded



[Annexure 13](#)

Institution Profile and Activities

Teaching Positions at a glance	27
Infrastructural facilities	28
Library	29
Events Organised and Attended	30
Faculty and Student Accolades	31

Teaching Positions at a glance

Sanctioned Teaching Positions

404

Available Teaching Faculty

395

Positions filled against Sanctioned posts by UGC

149

Positions filled against Sanctioned posts by Management

246

Teaching Faculty with Ph.D

276

Professors *

56

Associate Professors *

34

Assistant Professors

305

[Annexure 14](#)

*Professors and Associate professor Positions include CAS

Infrastructure Amenities and other Support facilities

Student Teacher
Ratio

20 : 1

ICT enabled Classrooms
and Seminar Halls

234

Computers for
Academic Purposes

1768

Student Computer
Ratio

4.5: 1

Facilitated
Scholarships

1545

Broadband Bandwidth

1.19 Gbps

Student-Led Clubs

14

Support staff

237

Centralized Research
Facilities

11

Domain-Specific
Labs

86

Automated
Libraries

4

Library Resources and Expenditure

Books

2291

Journals

363

e-journals

3911

e-books

445980

Databases

11

Softwares

3

Shodhganga

696 Ph. D Thesis uploaded

e-Shodhsindu

Access to

29,198 e-Journals

4 Databases

NDLI Resources

World e-book Library

South Asia Archive

Subscription



e-Journals and e-Books

23.85 Lakhs



Other Resources

108.97 Lakhs

[Annexure 15](#)

Events organised

For the academic year 2021-22, a total of 34 activities were conducted to facilitate effective learning among the student and teacher community both within the institution and outside the institution. Of all these activities 1823 students, faculty, and executives were benefitted

[Annexure 16 A](#)

Type of events	Number
Conferences	6
Workshops	10
Special Lectures	8
Association Meetings	10
IPR	2
Academic Writing	3
Proposal Writing	1

Events Attended by the faculty

For the academic year 2021-22, a total of 47 faculty were facilitated to attend FDP / Conferences / Seminars / Training courses / Refresher / Orientation to aid effective learning among the teacher community.

[Annexure 16 B](#)

Type of events	Number
Conferences/Seminars	14
Workshops	20
FDP	9
Refresher/Orientation Courses	3
Short-term Training Programme	1

Faculty and Students Accolades at a Glance

Academic Excellence
Awards won by Faculty



[Annexure 17A](#)

Research and Innovation Awards won
by Faculty and Students



Annexure 17B

Outreach related Awards
won by Faculty



Annexure 17C

Sports/Cultural Awards of
Students



Annexure 17D



Research and Innovation

Research Projects	33
Publications and Bibliometrics	35
Patents Published and awarded	36
Collaboration and MoU's	37

Research projects

The institute had made vigorous efforts to procure projects during the pandemic period. 41 research projects to the tune of 48 lacs were ongoing for the academic year 2021-22. Out of the 41 research projects, 23 were from Government funding agencies. The major funding agencies were the Ministry of AYUSH, UGC, DST, and ICSSR.

Number of Research Projects

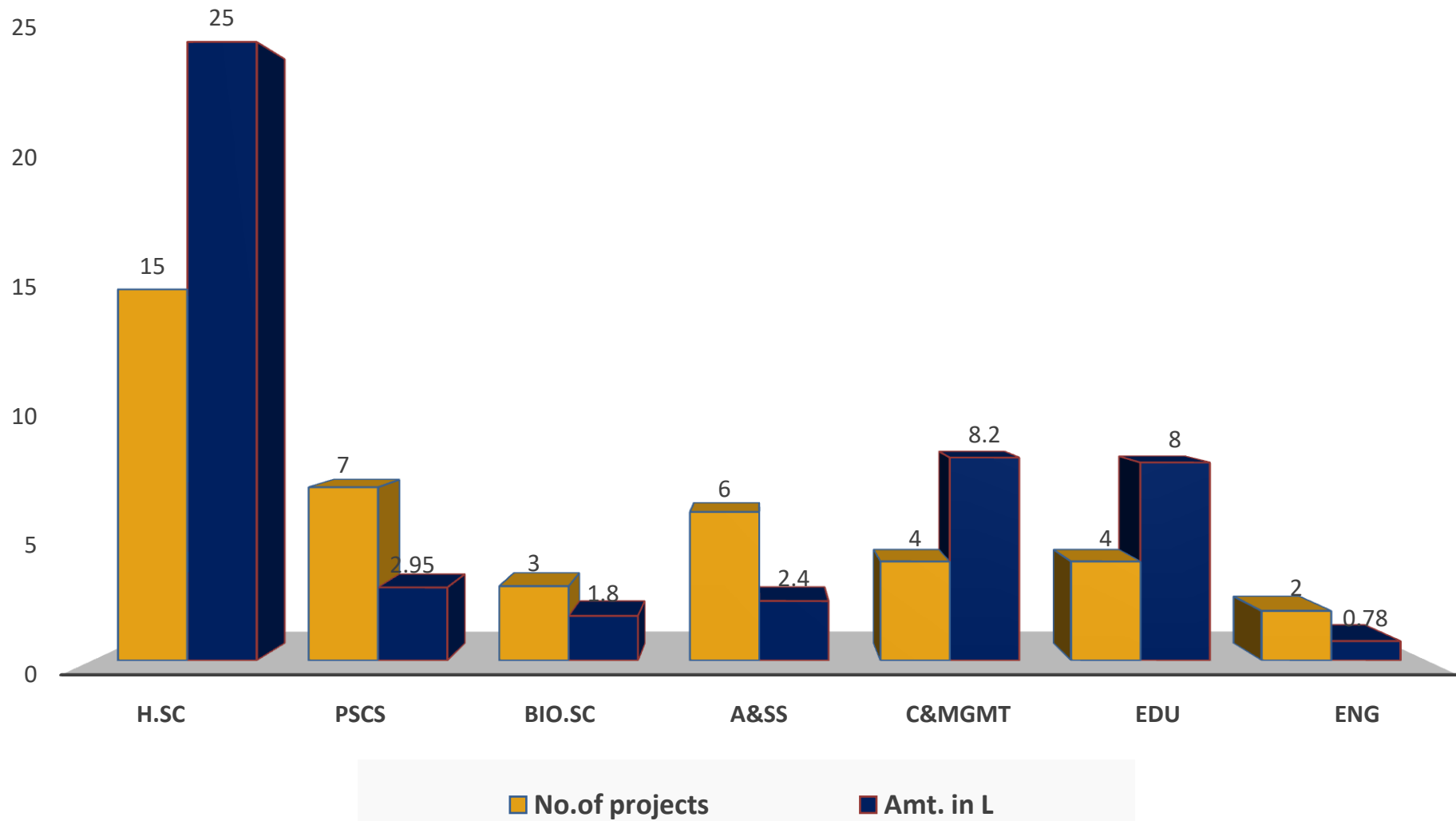
41

Amount in Rupees

48,13,000

Schools	Sponsored		Inhouse-Seed Money		Inhouse- Minor	
	No.	Amt in L	No.	Amt in L	No.	Amt in L
H.Sc	6	20.70	8	3.30	1	1.00
PSCS	2	0.15	4	1.80	1	1.00
Bio-Sci	-	-	2	.80	1	1.00
A&SS	-	-	5	1.70	1	.70
C & Mgmt	1	6.50	2	1.00	1	.70
Edu	1	6.70	3	1.30	-	-
Engi.	1	.075	-	-	1	.70
Total	11	34.13	24	9.60	6	4.40

School-wise Split of Research Projects with Amount Sanctioned in Lacs



Publications and Bibliometrics

For the academic year 2020-21, the faculty published 304 research articles in the journals notified on the UGC website including Scopus and Web of Science. Books or chapters in Books were 110.

Scopus

Period	Publications	Citations	H Index
Calendar Year 2021 and 2022	304	573	16
Till now	1608	12,299	46

WoS

Period	Publications	Citations	H Index
Calendar Year 2021 and 2022	198	316	12
Till now	1021	7922	39

Patents Published and Awarded

The institute's strenuous effort to progress in the path of research is evidenced by facilitating the publication of 12 patents and 2 granted for the academic year 2021-2022. On the whole, the patents published till December 2022 stands at 40, and 10 patents are granted. The following is the list of published and granted patents for the year 2021-2022.

Published

1. The Use of Agricultural Automatic Bluetooth Controlled Robots in Vegetable Harvesting Management Herbal Bandaging Fabric Coated with Leaf Extracts of *Pisona Grandis*
2. Edible Film-making Machine
3. Production of Bio-Diesel from the leaves of *Solanum Melongena L* through Transesterification
4. UPF analysis of top down ball milled natural red sandal powder alkali extract solution dyed on bleached cotton fabric and thereof
5. Millet after meal
6. Supercapacitor using porous carbon derived from *Prospic Juliflora*
7. Description of Computer-assisted cartesian Plane
8. Probiotic Complementary food mix for six months to three years of age
9. Artificial Intelligence-Based Mosquito Trap to Control Vector-Borne Disease
10. IOT Enabled AI system for Devising Water conservation in Houses
11. Development of science lab talking device
12. Mixed Fruit Peel Larvicidal Composition and the process thereof

Awarded

1. Process of preparation Wound Healing Topical Ointment from Solvent Extracts of *Pisonia Grandis*
2. A Novel Weedicide Formulation for the Management of Water Hyacinth

[Annexure 19](#)

Collaborations and MoUs

MoU's

Active MoUs

28

International

4

National

8

Regional

10

District

6

Collaborations

58

Skill Training ————— 4

Research and Innovation ——— 49

Entrepreneurship ————— 2

Webinar ————— 3

Activities associated with Active MoU's	Number
Joint Seminars/Conferences/Training Programmes	4
Student Leadership activities/Skill training	10
Curriculum Update/Internships	6
Faculty/Student Exchange	7
Collaborative research	11
Industry-Institute Linkages	3

[Annexure 20 - MoU's](#)

The Year Ahead

We are committed to doing things in the right way. We will continue to strengthen our governance processes over the coming year to ensure that we are aligned with best practices.

**CLICK HERE TO VIEW THE
REPORT ON THE WEBSITE**



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