



AMITY UNIVERSITY

A RESEARCH & INNOVATION DRIVEN UNIVERSITY **GRADE A+ ACCREDITED BY NAAC**

ANNUAL REPORT

2019

**Amity Science, Technology & Innovation
Foundation**

(ASTIF)

&

Amity Directorate of Science & Innovation

(ADSI, AUUP)

**A Journey towards
Research Excellence**

Message from Founder President

Amity Education group has come a long way during the last 20 years and met various milestones set for success. It gives me immense pleasure and satisfaction to see the group spreading its wings to achieve newer heights every single day. Amity has also emerged as one of the topmost “**Research & Innovation Driven University**” which is reflected through the vast number of projects, patents, publications, technologies/ products developed that has come out from the portals of Amity.



Amity Science, Technology & innovation Foundation (ASTIF) and Amity Directorate of Science & innovation (ADSI) were established in the year 2008 and 2014 respectively with the vision to augment and support the research and innovation initiatives undertaken by Amity Faculty and researchers. It brings me great pride and joy to revisit the milestones achieved by my faculty and researchers in the last one year which have been brought out in the 4th Annual report prepared by ASTIF/ ADSI.

I feel immensely proud of my Amitians – the Vice- Chancellors, HODs, HOIs, Faculty Members, Scientists and Researchers and every member of the team who is contributing their best in making my dream a reality with their commitment and outcome-based approach. In order to further increase our research outcome, we must set targets for ourselves at Individual, Institutional and University level to achieve much more than what we have accomplished in the last year and must strive to make our knowledge, technologies and products available to the society for meeting the industrial and societal needs.

I congratulate you all for formulating and implementing strategies with an endeavor for exponential research outcome. We are moving in the right direction to achieve our goals and I am confident that with your concerted efforts and determination, Amity will reach the position of one of the best in the world sooner than expected.

Dr. Ashok K. Chauhan

Founder President, Ritnand Balved Education Foundation

Preface

It gives me immense pleasure to present the fourth Annual Report of Amity Science, Technology & Innovation Foundation (ASTIF) & Amity Directorate of Science & Innovation (ADSI) which gives the glimpse of the research accomplishments of the Amity University campuses during the year 2019 (Jan- Dec).

At the outset, I would like to thank Honorable Founder President, Dr. Ashok K. Chauhan for his vision, constant motivation, continuous guidance, incessant support, and blessings without which we would not have been able to achieve all this.



I would also take this opportunity to thank Dr. Atul Chauhan, President RBEF, and Dr. Aseem Chauhan, Addl. President RBEF and the whole family for their support which were the force multipliers for the increase in research and innovation endeavors of the organization. ASTIF and ADSI Team gratefully acknowledge the blessings from all members of AKC Family for their unstinted support and look forward to their continued inspiration.

All the Vice Chancellors and Pro Vice Chancellors require special mention for spearheading the mission and dream of Hon'ble Founder President in their campuses with their periodic review, constant motivation and sustained efforts which have led to achieving exponential growth in the funded projects, research publications, Patents filing and Commercialization. I would also like to appreciate the efforts put forth by the all Deans, Research coordinators, Heads of Institutions, faculty members and researchers without whose dedicated and concerted efforts it would not have been possible to achieve excellence in research activities.

I would like to place on records my appreciation for Ms. Sneha Nair for coordinating the preparation of this report under the able guidance of Mr. S. N. Singh and bringing out the report in its present form with inputs from Dr. Smita Sahu, Dr. Goodwill Khokhar, Mr Aman Bhatnagar, Ms. Parul Singh, Mr. Sonu Raghavan, Ms. Jiji Binu, Mr. Sanjai KV, Mr. Benny Thomas, Mr. Devendra Kumar and Ms. Kiran Kotnala.

The achievements of 2019 are praiseworthy. I would like to compliment all the achievers whose contributions have made us proud to present this report. However, considering the immense potential and self- motivation of each Amitian, much more needs to be achieved in 2020 to take Amity to newer heights.

Dr. W. Selvamurthy

President, ASTIF & Director General, ADSI

Table of Contents

Sr. No.	Topic	Page No.
1	Message from Founder President	2
2	Preface	3
3	Preamble	5
4	Human Resources	7
5	Charters of ASTIF & ADSI	8
6	Projects	9 – 23
7	Publications	24 – 42
8	Patents & Copyrights	43 – 64
9	Technology Transferred	65 – 68
10	Awards & Fellowships	69 – 80
11	Collaborations:	81
	a). Memorandum of Understanding (MOU) signed	81 – 93
	b). Conferences/ Workshops/Seminars organized	94 – 140
	c). Visits/Lectures Organized	141 – 233
	d). Honorary Doctorates/Professors	234 – 244
12	Research Centers & Clusters	245 – 248
13	Research Highlights	249 – 274
14	New Initiatives	275 – 280

Preamble

Founder President Dr. Ashok. K. Chauhan has set a vision that Amity will emerge as a center of excellence in all domains of Science & Technology at National and International level through an integrated research and academic endeavors to contribute to the National mission of India emerging as a Knowledge Superpower.

With an aim to provide an impetus to research & innovation, Amity Science, Technology and Innovation Foundation (ASTIF) was founded by Dr. Ashok K. Chauhan, Founder President in the year 2008 with three very senior faculties as Vice Chairman Prof. Sunil Saran, Prof. Ajit Varma, Prof. R.P. Singh. Dr. W. Selvamurthy is now the President, ASTIF.

The primary objective of ASTIF is to promote Research and Innovation in all Amity Institutions, particularly in the cutting edge frontiers of Science and Technology domains of national importance. To meet this objective, ASTIF undertakes a wide spectrum of important activities, such as Talent search and providing Amity Research Fellowship for meritorious students, who have done their Masters with excellent academic records. Fairly State of the Art research infrastructures have been created, both through Government funded S&T departments as well as through Amity resources. A large number of distinguished faculties have been brought into Amity campus from India and abroad with proven record of high level of scientific accomplishments. Enabling ecosystem in Amity University for research and innovation to blossom has been created.

Further, Amity Directorate of Science & Innovation was created at AUUP Campus Noida to achieve the mission of placing Amity amongst the top global Universities in the field Science & Technology. The Directorate facilitates and supports faculty members for achieving the targets in terms of Projects, Patents, Publications, Product development, Collaboration etc.



Chairman
Dr. ASHOK K CHAUHAN



President, ASTIF & DG, ADSI
Dr. W. Selvamurthy



Vice Chairman (Intl.)
Prof. (Dr.) Ajit Varma

Current Human Resources

In order to achieve the objectives set for ASTIF & ADSI the following Human Resources have been provided.



Mr. S.N Singh
OSD to President,
ASTIF
& Director, ADSI



Gp. Capt. Kapil Shukla
ADG, ADSI



Dr. Smita Sahu
Dy. Director, IPR
ASTIF & ADSI



Dr. Goodwill Khokhar
Asst. Director
ASTIF & ADSI



Mr. Aman Bhatnagar
Scientific Staff Officer
ASTIF & ADSI



Ms. Sneha Nair
Senior Scientific Officer
ASTIF



Ms. Parul Singh
Asst. Manager
ADSI



Mr. Sonu Raghvan
Patent Associate- IPR
ASTIF



Mr. Benny Thomas
Executive Assistant
ASTIF



Ms. Jiji Binu
Executive Assistant
ADSI



Mr. Sanjai K.V.
Executive Secretary
ADSI



Mr. Devendra Kumar
Office Executive
ADSI



Mr. Mukesh Kumar
Executive Secretary
ADSI



Ms. Kiran Kotnala
Technical Assistant
ADSI

Charters of ASTIF & ADSI

ASTIF

Keeping Philosophy of Research Driven University in view, Amity Science, Technology & Innovation Foundation (ASTIF) has been established to help and give a boost to the Research and Innovation in all Campuses of Amity University with the following objectives:

- a) To promote and set targets for Science, Technology and Innovation in Amity Universities and Institutions
- b) To promote cutting edge research in frontier areas of science and technology including emerging fields of national and international importance
- c) To organize lectures/ oration series from eminent scientists from India and abroad
- d) To offer financial support for scientific projects and offer fellowships to meritorious research scholars
- e) To identify and nurture scientific talents.
- f) To facilitate and provide momentum to the research related activities of Amity Universe

ADSI

Amity Directorate of Science & Innovation (ADSI) has also been established in 2014 to monitor and address all issues related to research at AUUP, NOIDA. The main responsibilities of this Directorate are:

- a) To facilitate and catalyze the research activities of the Group
- b) Promote submission of quality research projects under various schemes from National and International funding agencies
- c) To set quantitative and qualitative targets in terms of research, publication & patents etc.
- d) Periodic review and monitoring research activities including Ph.D scholars
- e) To Review research facilities in the institute and create new ones
- f) To set Annual academic research plan of the institutes
- g) To Organize workshops regarding publications, project writing & IPR
- h) To Motivate faculties to attain their best in terms of competence, commitment and self-motivation
- i) To promote intra cluster & inter cluster collaboration
- j) Administrative & Financial Management of Projects
- k) IPR – Patent filing & grant Coordination and follow-up with the office of the Controller General of Patents.
- l) To promote and encourage Development, Commercialization and Transfer of Technology (DITT)
- m) To resolve any administrative or HR issues and address the grievance of Faculty and Scientist as and when referred to the Directorate

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