



## SRM University Delhi-NCR, Sonapat (Research & Development Cell)

### Vision Document: Research & Development (R&D) Road Map with Actionable Agenda

The University is committed in its pursuit of excellence in Research & Development and aims to accomplish various Research programs and initiatives across a wide spectrum of interdisciplinary and multidisciplinary streams namely Engineering & Technology, Basic Sciences, Humanities & Social Sciences, Legal Studies, Management, Commerce, Hotel Management, Pharmacy and Medical Science. The commitment to the interdisciplinary and multidisciplinary work is reflected in applied research as well as basic research in alignment with the vision of NEP-20 and Atmanirbhar Bharat. The University ensures that all the core and interdisciplinary subjects flourish in research by adopting the highest norms and standards of a scholarly undertaking.

This document provides information pertaining to various research policies and promotional activities of the University. It outlines the principles that are taken into consideration while planning and conducting research. The guiding principles that are strictly adhered to while recording, reporting and applying the results obtained are emphasized.

#### 1. Vision:

The vision is to focus on academic excellence in alignment with the NEP-2020, with the aim to provide highest quantity and innovative research in addition to development of socially conscious research leaders equipped to address the future challenges of the society in fast changing global and technologically driven environment.

#### 2. Mission:

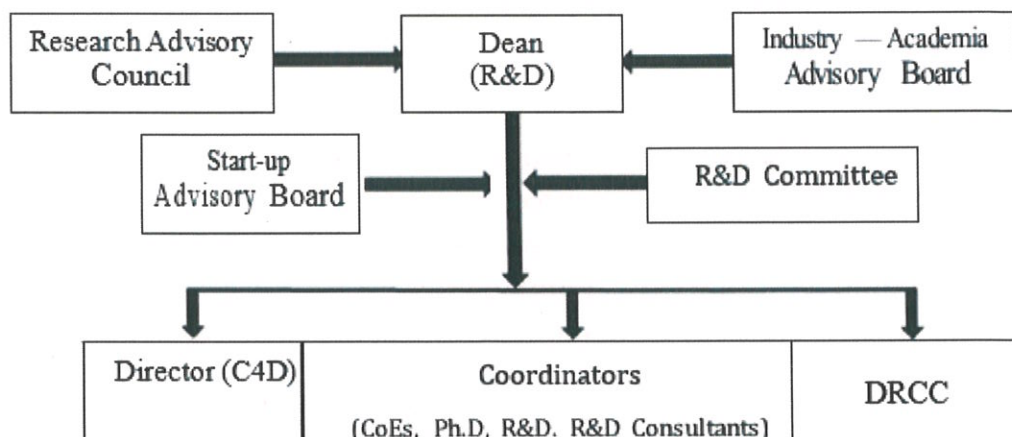
- To create conducive environment for better access to research and development through mobilization of resources and funding.
- To encourage multidisciplinary and interdisciplinary research through collaborative approach with Industry, Academia, Government and Community based Organizations at the local, National and International levels.



### 3. Objectives:

- a) To promote dynamic research with focus on basic, applied research and developmental research and publication of research papers in the referred and high H-index journals.
- b) To integrate the four elements of research & development i.e. people, ideas, funds and culture in order to have quality research and development activities.
- c) To identify the core areas of research involving interdisciplinary, multidisciplinary and collaborative approach in industry and academia at the National and International level and develop interdisciplinary and multidisciplinary research clusters.
- d) To strengthen the existing Centers of Excellence: C4D, SRM-Siemens Center of Excellence & SRM-BOSCH Center of Excellence, etc.
- e) To establish advance research centers at least one in each faculty and one advance center more socially relevant to the area particularly in the state of Haryana.
- f) To publish University journal and further to create opportunities for publication of quality research papers from interdisciplinary & multidisciplinary areas.
- g) To present introduce "Best Researcher Award" at university level every year.
- h) To create conducive environment and culture for research and development and to encourage academia-industry to undertake more quality research publications, projects, patents, MDP and consultancy.

### 4. Governance Structure:



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**4.1 Research Advisory Council (RAC):** The University has constituted the Research Advisory Council whose role is to review the R&D projects submitted to the funding agencies and that would further advise the R&D unit of the University for Research Activities. The RAC will have five members including two external members of repute and would meet twice in a year or at least once a year.

**4.2 Industry-Academia Advisory Board (IAAB):** The key function of the Industry- Academia Advisory Board (IAAB) is to advise the industry oriented research programs. In addition, the IAAB will help in the CSR funds from the industries for the faculty members of the University to encourage the industry oriented research programs in the University.

**4.3 R&D Committee:** The R&D Committee will have members representing the Ethics & IPR. It would play a pivotal role in raising the resources. Funds, research programs, policy development, collaborations, monitoring and commercialization. The Committee would have quarterly meeting to monitor, evaluate and advise Dean (R&D).

**4.4. R&D Consultants:** Based on the recommendation of Research Advisory Council (RAC) and Industry-Academia Advisory Board (IAAB), R&D consultants in the area of expertise may be appointed for Research and Development for the University. These consultants will be hired based on honorarium as recommended by the RAC and IAAB and approved by the Vice Chancellor. The Dean (R&D) shall identify Consultants to interact with the Funding Agencies and advise the faculty members on the projects. In addition, the Consultants shall arrange training/ guidance to the faculties for preparing project proposals for extra-mural grants. The overhead charges may be used to pay the remuneration for the Consultants.

**4.5. R & D Plans and Incentive Schemes:** The University is committed in its pursuit of excellence in research and aims to lead the research agenda across the spectrum of Engineering & Technology, Basic Sciences, Humanities, Social Sciences, Legal Studies, Management, Commerce, Hotel Management, Pharmacy and Medical Science. Our commitment to the interdisciplinary and multidisciplinary work is reflected in both Applied Research and Basic Research in compliance with the goals of Atmanirbhar Bharat and NEP-2020 as well as to motivate the R&D activities in the University. To achieve the research goals, the University has the following plans and incentive schemes:



### 5.1 Research Publications:

#### (a) Research papers:

To encourage publication of **quality** research papers and publications in referred journals-Nature/SCI/SSCI/WoS/Scopus index journals list, peer- reviewed National/International journals, book, book chapters, patents etc. in the thrust areas as advised by the Research Advisory Council (RAC) and Industry-Academia Advisory Board (IAAB) from time to time, the University has constituted the "Best Paper Award."

The incentive scheme adopted is:

Sl. No.	Publication of Papers	Impact Factor	Incentive Scheme
1	A-Category Journals	5 -10 IF & above or Q1	Rs.20,000/-
2	B- Category Journals	2 – 5 IF, Q2	Rs.10,000/-

### 5.2 Research Book Publication:

The University shall encourage high-quality scholarly output by providing financial incentives to faculty members for publishing books at national and international levels. Faculty members who publish book with reputed national and international publishers shall be eligible for a monetary incentive as determined by the University from time to time.

<b>International</b>	<b>Rs. 10,000/-</b>
<b>National</b>	<b>Rs. 5,000/-</b>
<b>Chapter International/ National</b>	<b>Rs. 5,000 / 2,500/-</b>

**5.3 Seminars, Conferences & Workshops: Presentation of research paper / Chairing the session in the National / International Conferences:** If a faculty member of the University is invited to present a paper, chair a session, or deliver a keynote address at an international conference of high repute, the University may grant up to 50% of the travel expenses as Travel Allowance.

Eligibility for this support requires a minimum of three years of continuous regular service at the University. This facility may be availed once every three to five years, as determined by University policy.



Sl. No	Particulars	Incentive Scheme
1	Organizing Conference	For any faculty member taking initiative to organize Conferences would be provided the seed money. The organizing faculty will have to submit the proposal to organize a Conference / Workshop / Symposium to the Vice Chancellor for approval. A committee comprising of HoD, Faculty members initiating the conference, accounts person, faculty from other Department(s) may be formed before forwarding the proposal to the Hon'ble Vice Chancellor.
2	Presenting & Publishing Papers in Seminar proceedings (National / International Conference)	50% TA (round trip) and registration fee for Conference
3	Chairing Session	Duty Leave will be given (National Conference)
4	Participation as delegate	Duty Leave may be granted.

**5.4 Patents:** Faculty members/Research scholars/students are encouraged to file for patents. The Dean (R&D) will ensure assistance is provided for Patent filling of all the novel/innovative ideas of Faculty, Research Scholars and students. The incentive scheme by the University is as under:

Sl. No	Particulars	Incentive Schemes
1	Filing Patents	Submission fee will be reimbursed, provided the applicant is holding the first position
2	Patent published	Once the patent is published, Rs. 5,000/- will be given as incentive.
3	Patent Granted	Once the patent is granted, Rs. 10,000/- will be given as incentive.

In future, the University will establish a Patent Office in the campus.



### 5.5. Training & Consultancy:

The University shall actively promote and support faculty members in undertaking consultancy projects and organizing training programs. To facilitate this, the University adopts the following incentive framework:

In cases where faculty members and students secure consultancy projects for the University, the revenue generated shall be distributed as follows: 40% to the University and 60% to the Principal Investigator (PI) and the project team.

Consultancy	Incentive
Sanctioned Consultancy Amount	The ratio of distribution would be 60% to the Faculty & 40% to <b>the University</b>

### 5.6 Research Projects:

- a) **Extramural funding:** The University shall actively promote and facilitate extramural funding to strengthen its research ecosystem and enhance academic excellence. Faculty members and researchers will be encouraged to secure research grants from national and international funding agencies, industry bodies, and government organizations. The University will provide necessary administrative, technical, and financial support for the identification of funding opportunities, proposal development, and timely submission of applications. Incentives may be offered to motivate faculty for successful grant acquisition, along with provisions for overhead utilization to support institutional research infrastructure. All extramural projects shall be governed by established guidelines to ensure transparency, accountability, and effective project execution, with periodic monitoring to achieve intended outcomes and maximize research impact.

The incentive schemes for R&D Projects from extramural funding are as under.

Extramural funding	50% of the overhead charges or 5% of the total approved and received grant to the Principal Investigator (PI) & Co-PI team.
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- b) **Intramural Funding/Seed money:** The University shall support a Seed Grant up to Rs 3,00,000/- to promote a strong research culture and support innovative ideas at their early stages. This funding will be provided to faculty members and research scholars to initiate pilot studies, develop prototypes, generate preliminary data, and prepare proposals for external funding agencies. Priority will be given to interdisciplinary, socially relevant, and high-impact research projects. The scheme aims to enhance research productivity, facilitate publications in reputed journals, and improve the success rate of securing competitive grants. The selection of proposals will be based on merit, feasibility, originality, and potential for future funding, as evaluated by a duly constituted research committee. Seed grant will also



be extended to student's proposals through faculty mentors. Regular monitoring and outcome-based evaluation will ensure effective utilization of the funds.

**Best Researcher Award:** The best **researcher** Award shall be given to the Faculty members of University for overall research including publications of papers in peer reviewed journal with a high impact factor, projects, organizing conferences, patent. Research & Development Committee will adjudicate the best researcher award as per the research norms and guidelines.

#### 5.6. Strengthening Ph.D. Programme:

- I. For Ph.D. Scholars who qualify CSIR, DST, DBT, ICMR, ICAR, MoHFW etc., the incentive schemes are as under:
  - a. Scholarship (50%) to the Ph.D, scholars who register for Ph.D. in the University through the University admission process from the institutions of National Importance (CSIR, DST, DBT, ICMR, MHFW, etc.) with the University faculty members as Supervisors.
  - b. Scholarship (50%) to the research scholars who join the R&D projects sponsored by Government of India and other reputed funding agencies and selected through a competitive selection procedure.
  - c. Scholarship (50%) to the Ph.D. scholars with GATE/NET/JRF and other national level exam related to PhD.
  - d. Scholarship (50%) to regular faculty and staff members pursuing PhD from SRMUH
- II. Ph.D. scholars admitted through the University's entrance test, who have not qualified in the examinations specified in Point I, may be granted a 25% fee concession. This concession shall be limited to a maximum of five candidates, awarded strictly on the basis of merit.
- III. Ph.D. scholars may also be appointed by the University as Teaching Assistants with a fellowship of ₹25,000 per month. A structured and transparent selection process shall be implemented for this scheme. The positions shall be allocated as follows: two from the Faculty of Science and Technology and two from the Faculty of Management, Commerce, Law, Humanities and Hotel Management.
- IV. Faculty members may also be admitted to the Ph.D. programme through the University's admission process. A fee waiver of up to 50% may be granted. Selected faculty members may be required to execute a bond to fulfill the prescribed conditions associated with the concession.

#### 5.8 Establishment of Centres of Excellence (CoEs) and Advanced Research Centres:

##### I. Strengthening and Establishment of CoE:

The existing CoE shall prepare and present a comprehensive roadmap with an implementable agenda before the Research Advisory Council (RAC) for suggestions and improvement. The Centers shall also devise a robust monitoring mechanism to assess and



evaluate their progress on a periodic basis. New CoE will be established as per the requirements.

## **II. Establishment of Centre of Excellence in Collaboration with Industry:**

Efforts would be made to identify (the grey area) and create CoE after having discussion and deliberation with Research Advisory Council (RAC) and Industry- Academia Advisory Board (IAAB).

## **III. Advanced Research Centres:**

Centers of excellence for specialized research will be established and the existing centers will be strengthened (e.g. C4D). Centre for Nano Science, Centre for AI & ML, Incubation Centre and Innovation Centre will be established.

Each faculty will make efforts to identify and establish at least one Advance Research Centre, which is socially and locally relevant to the needs of the people.

## **IV. Establishment of UN Centre for Training and Research:**

The UNITAR (United Nation Institute for Training and Research) is ready to establish the UN Centre for Training and Research at the University. This will be a unique center in the University and one of its kind in the entire Country, as UNITAR has a policy of granting permission for a single centre in a country. The UNITAR faculty will be part of Training and Research.

## **V. Performance Monitoring and Evaluation Mechanism:**

The Road Map for performance monitoring and evaluation mechanism would be prepared after discussion and deliberation with the Research Advisory Council and Industry-Academia Advisory Board.

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