



REVA
UNIVERSITY

Bengaluru, India



**Minutes of Meeting for the selection of
proposals for internal seed amount
2021-22**

Proceedings of the Research Advisory Borad Meeting

5/8/2021

Time: 11AM

Venue: Board room- Admin Block

Agenda:

1. ATRs presentation by research verticals.
2. Application status and Ph.D. entrance examination process
3. Seed Amount disbursed in 2020
4. Status on Research Outcomes
5. Amendment to Ph.D. regulations

Sl No	Name	Designation
1	Dr. M. Dhanamjaya Pro Vice Chancellor	Chair Person
2	Dr. N. Ramesh Registrar	Member
3	Dr. Surendra Rao Shankapal Professor Emeritus	Member
4	Dr. B. P. Divakar Dean of Research and Innovation	Member Secretary
5	Dr. D.V.S. Bhagavanulu Dean- IQAC, Planning & Development	Member
6	Dr. Sunil Kumar S Manvi Dean of Engineering & Technology	Member
7	Dr. Beena G Controller of Examination	Member
8	Dr. Shubha A Faculty of Commerce & Management Studies	Member
9	Dr. Bharathi S Faculty of Law	Member

10	Dr. Vimala Swamy Faculty of Architecture	Member
11	Dr. P. Ramachandra Associate Dean, SOAS	Member
12	Mr. Vinod Chippalakatti Vice-President, Centum Electronics, Bengaluru	Member
13	Mr. Srinivasan V B Director, Aspartika Biotech Pvt Ltd, Bengaluru	Member
14	Dr Vishwanath H Deputy Director, R&I council	Invitee

13.1 . ATRs of Schools: Dean informed the members that the action items of the previous meeting are ongoing with reports being verified at the end of every month.

<ol style="list-style-type: none"> 1. Targets 2. In-house presentation by members with publication 3. In-house presentation by research scholars 4. FDP on research awareness 5. FDP from faculty members of Mathematics related to the school 6. FDP from faculty members of Computer science related to the school 7. FDP from faculty members of other schools related to the school 8. Collaborative research with other premier Institutes-joint project proposal/publication etc 9. Collaborative research with other schools-joint project proposal/publication/ student project 10. Details of students' teams attended hackathons/competition 11. Details of Industry visited/consulted for identifying problems/efforts for creation of database of problems 12. Details of app/animation/project developed/conducted for other schools 13. Any novel practices by school to enhance research culture among students

13.2. Application status and Ph.D. entrance examination process: Dean presented the status of Ph.D. applications for the coming session scheduled for commencement in November -2021

PhD Entrance Examination September 2021			
BRANCH WISE LIST OF CANDIDATES APPLIED AND VACANCIES AVAILABLE			
Sl no	Branch	Candidates Applied	Vacancy Available
		Online/Offline	
1	BIO CHEMISTRY	15	9
2	BIO TECHNOLOGY	18	6
3	CHEMISTRY	29	19
4	COMMERCE	25	10

5	CIVIL ENGG.	21	16
6	CSA	23	10
7	CSE	44	45
8	ECE	21	23
9	EEE	13	12
10	ENGLISH	33	6
11	MECHANICAL ENGG.	9	32
12	MANAGEMENT STUDIES	30	38
13	MATHEMATICS	26	38
14	PHYSICS	13	18
15	MICROBIOLOGY	0	0
16	LEGAL STUDIES	6	4
17	PSYCHOLOGY	21	3
Total		347	289

13.3. Seed Amount disbursed in 2020: The university has disbursed the seed amount to 23 researchers since last one year and the progress are being monitored.

Year	Number of Proposals	Total Grant
2020	22	45,90,500
2021	01	45,000

13.4. Status on Research Outcomes: The University has assigned research targets to all the schools after the bench marking process with other universities. The schools have specific plans to achieve the targets

ALL SCHOOLS

Publication Details

	Journal Papers				Conference Papers					
	UGC	Scopus Indexed	Indian Citations	Google scholar	Web of sciences	Scopus Indexed	Indian Citations	Google scholar		Web of sciences
2013	15	17	0	57	3	27	0	76	0	62
2014	12	18	5	85	13	29	4	67	2	83
2015	11	24	5	103	14	26	5	58	1	86
2016	62	34	11	143	18	37	6	34	2	170
2017	110	92	19	176	20	41	10	57	2	294

2018	397	225	5	81	38	69	29	119	0	763
2019	623	256	0	55	62	68	0	125	0	1009
2020	176	663	3	102	135	62	2	69	2	1043
2021	35	161	1	14	197	25	2	13	0	421
	1406	1329	48	802	303	359	56	605	9	3510

Patents

Year	Patents filed	Patents Published	Patents Granted
2021	174	53	03 Granted and 03 Australian Grant Total=06
overall			

Grants

Year	Proposals submitted	Number of on going Projects	Amount in Lakhs
2021	58 Proposals (137.2 L)	17 Projects (391 L)	528.2 L

13.5. Amendment to Ph.D. regulations

a) Minimum number of publications for the submission of Ph.D. Thesis

Background: There have been representations from Applied Sciences to revise the minimum number of publications from the current 3 journals to 2 but with the condition that the two publications are made in Q1/Q2 listed journals.

Justification: The nature of the topics selected in sciences often requires combining two or more objectives of the proposed doctoral work for acceptance in top quality journals. Considering that there will be 3-5 objectives for a Ph.D. study and the requirements of high Q rated journals, it would be very difficult for a scholar to meet the requirements of 3 journal publications from the thesis.

Amendment: clause 14: Additional clause has been included in the Ph.D. regulations with regard to the minimum number of publications for the submission of the Ph.D. thesis.

The candidates prior to 2018 batch shall publish at least TWO research articles in refereed journal and one research paper presentations in conferences / seminars as main author / co-author, based on his / her Research Work to be eligible to submit the final thesis.

For scholars of batch 2018 and onwards, Three peer reviewed journal publications indexed in Scopus/Web of Science (WoS)/UGC plus one publication in the reputed conference or two peer reviewed journals and one granted patent plus one publication in the reputed conference **or two Q1/Q2 journal publications plus one publication in the reputed conference** subject to the following guidelines:

Scholars of Engineering and Applied Sciences shall have at least one publication in Q1/Q2/Q3 listed journals while the research scholars of other disciplines shall have at least one publication in Scopus/ Web of Science (WoS) indexed journal.

b) Permission to pursue Interdisciplinary research



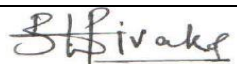
Background: There have been many representations from experts from industry and research organizations with rich domain expertise to pursue research in interdisciplinary research. The existing regulations do not permit such experts to pursue their passion of lifelong learning.






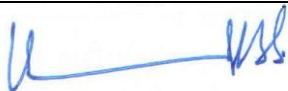


The members deliberated and cited the NEP 2020 as the guideline for the university to encourage cross border research if the candidate is able to successfully pass through the entrance examination and interview procedure. The members further opined that the current expertise and the passion of the candidate should be considered rather than the previous qualified degree.

The council, after detailed discussions and deliberations, approved the proposals with slight modification, that is, the candidates should be working at senior executive position with over 10 years of experience and/or Scientists with research credentials from research organization

Seed Money: Dean informed the members that the R&I council received more than 40 applications for the seed money. The committee sought the presentations by PIs and then sanctioned the seed money for research to the tune of 130 L. The seed money support is extended to hire full time research scholars/RAs, equipment, travel, chemicals & consumables, testing and contingencies.

There being no other points for discussion, the meeting was concluded with the vote of thanks by Dean R&I Council

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11	Dr. P. Ramachandra Associate Dean, SOAS	Member	
12	Mr. Vinod Chippalakatti Vice-President, Centum Electronics, Bengaluru	Member	online
13	Mr. Srinivasan V B Director, Aspartika Biotech Pvt Ltd, Bengaluru	Member	online
14	Dr Vishwanath H Deputy Director, R&I council	Invitee	



Dean R&I



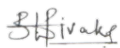
Registrar

3.1.2 The institution provides seed money to its teachers for research (average per year INR in Lakhs) (3)

Name of the teacher provided with seed money	The amount of seed money (INR in Lakhs)	Year of receiving	Title
Prof. Renuka Madhu; Dr. Sushil Kumar Middha	1.93	2021-22	Metagenomic outlook of microbial dynamics influenced by organic and conventional farming in pomegranate field of Karnataka, India
Dr.Nethravathi; Dr. Ankitha Chatterjee	1.50	2021-22	Evaluation of antifungal metabolites from soil bacilli against opportunistic fungi causing Candidiasis, Aspergillosis and Mucor mycoses.
Dr. Prabhakar Mishra; Dr. Yuvashree M	4.60	2021-22	Formulation and application of nano-therapeutics against metabolic disorders related to nano plastic toxicity
Dr.Manjula K.R	2.85	2021-22	Behavioural analysis of wistar rats to different stress models (Parkinson's disease) and identification of neuroprotective compounds in Leucas aspera.
Prof. CN. Prasantha C N; Dr. N.M Guruprasad	2.60	2021-22	Clinical applications of whole exome sequencing to identify diseases for the discovery of future medicine.
Prof. Shilpa B.R; Dr. Manjula K.R	3.49	2021-22	Identification, estimation, characterisation and analysis of neuroprotective compounds using herbal formulations
Dr. Nagaraju D H (Krupa)	4.90	2021-22	Development of modified cotton fibers based electrochemical sensor for the detection of heavy and toxic metal ions
Dr. Shivanna M; Suman Kumar	6.51	2021-22	Study of synthesis, structural analysis and electrochemical applications of layered single and double hydroxide composites with TMDs/carbon materials
Dr. Madhusudhana Reddy M.B and Dr V Damodara Reddy	6.50	2021-22	Design , synthesis, characterization and biological evaluation of new sulphamide derivatives
Dr. Nagendra G	6.20	2021-22	Studies on chemical synthesis of peptidomimetic analogs for teixobactin
Dr. Sakthivel Kandaiah (Sarada)	6.50	2021-22	Atomic level distribution of surface active redox active sites with metallic organic systems for electro and photoinduced multi proton coupled electron transfer reactions in clean energy devices
Dr. Vipin Nair (Vamshikrishna Y.R)	6.50	2021-22	Studies on selective androgen receptor modulators
Dr. M Srinivas (Kavya)	5.40	2021-22	Study of synthesis, characterization and structural properties of Z scheme and heterojunction composites for photocatalytic application
Dr. M Srinivas (Pooja)	5.40	2021-22	Study of synthesis and characterization of plasmonic based BiVO ₄ composites for photocatalytic application
Dr. Nagarajaiah H	2.20	2021-22	Design and synthesis of quinolone and indole based heterocycles as anti agents one pot sequential reaction

Name of the teacher provided with seed money	The amount of seed money (INR in Lakhs)	Year of receiving	Title
Dr. S Shivakumara (Swarna R)	6.15	2021-22	Synthesis and characterization of carbon aerogel-vanadium pentoxide based nano composites as cathode materials for rechargeable aqueous Zn ion batteries
Dr. Sathish Reddy; Dr. B Lakshmi	5.80	2021-22	Tailoring of carbon nanocomposite based electrochemical sensor for simultaneous detection of antibiotics and chloramphenicol in food samples
Dr Hanumagowda B N, Dr S Vijaya Kumar Varma, Ananth Subray P V	5.40	2021-22	Thermophoresis and Brownian motion effects on nanofluids flow in conducting fields with ion and slip effects
Dr Hanumagowda B N, Dr S Vijaya Kumar Varma, Pavithra K M	5.40	2021-22	Radiation and Chemical reaction effects on heat and mass transfer flow of nanofluids
Dr. Ponnam Anjaneyulu (Ms. Vindya Shetty)	1.80	2021-22	Multibit memory devices based on heterostructures
Dr Upendra kumar (Ms. Jaya Choudhary)	5.40	2021-22	Multifunctional nanoparticles for photonics applications
Dr Anupama A V (Mr. Sachin Kulkarni)	4.10	2021-22	Photocatalysis for dye degradation and hydrogen evolution
Dr. Pramodini S (Ms. Rachana K)	7.20	2021-22	Studies on the optical limiting properties of hybrid organic and inorganic nanocomposite under continuous wave laser excitation
Dr K Munirtahnam (Mr. Devara Jagadeesh)	1.80	2021-22	Lanthanides doped perovskites material for opto-electronic application
Dr.Sachinkumar Patil (Mr.Rahul)	6.00	2021-22	Studies on Joint Characteristics of Graphene Based AL-Si-Mg Composites Joint by FSW Process
Dr. Mallikarjun Kodabagi; Dr. Vishwanath R Hulipalled; Dr. Kumar Raj D R	13.83	2021-22	Humanoid Robot

129.96


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