

ZOOLOGY DEPARTMENT-QUANTITATIVE MATRIX
IQAC PROFILE -2016-2021

Criterion III – Research, Innovations and Extension

	3.2 PROMOTION OF RESEARCH AND FACILITIES	20																																										
3.1.2	The institution provides seed money to its teachers for research (average per year INR in Lakhs)																																											
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">🚩</td> <td>1. Dr. R. Srivastava</td> <td>2014-2016</td> <td>UGC-StartUp Grant</td> <td>6 Lakhs</td> </tr> <tr> <td style="text-align: center;">🚩</td> <td>2. Dr. S.K.Mishra</td> <td>2014-2016</td> <td>UGC-StartUp Grant</td> <td>6 Lakhs</td> </tr> <tr> <td style="text-align: center;">🚩</td> <td>3. Dr. R Saini</td> <td>2014-2016</td> <td>UGC-StartUp Grant</td> <td>6 Lakhs</td> </tr> <tr> <td style="text-align: center;">🚩</td> <td>4. Dr RK Srivastava</td> <td>2014-2016</td> <td>UGC-StartUp Grant</td> <td>6 Lakhs</td> </tr> <tr> <td style="text-align: center;">🚩</td> <td>5. Dr. R.K. Koiri</td> <td>2014-2016</td> <td>UGC-StartUp Grant</td> <td>6 Lakhs</td> </tr> </table>	🚩	1. Dr. R. Srivastava	2014-2016	UGC-StartUp Grant	6 Lakhs	🚩	2. Dr. S.K.Mishra	2014-2016	UGC-StartUp Grant	6 Lakhs	🚩	3. Dr. R Saini	2014-2016	UGC-StartUp Grant	6 Lakhs	🚩	4. Dr RK Srivastava	2014-2016	UGC-StartUp Grant	6 Lakhs	🚩	5. Dr. R.K. Koiri	2014-2016	UGC-StartUp Grant	6 Lakhs																		
	🚩	1. Dr. R. Srivastava	2014-2016	UGC-StartUp Grant	6 Lakhs																																							
🚩	2. Dr. S.K.Mishra	2014-2016	UGC-StartUp Grant	6 Lakhs																																								
🚩	3. Dr. R Saini	2014-2016	UGC-StartUp Grant	6 Lakhs																																								
🚩	4. Dr RK Srivastava	2014-2016	UGC-StartUp Grant	6 Lakhs																																								
🚩	5. Dr. R.K. Koiri	2014-2016	UGC-StartUp Grant	6 Lakhs																																								
TOTAL: 30 LAKH RS. AVERAGE = 06 LAKH/YEAR																																												
3.1.3	Percentage of teachers receiving national/ international fellowship/ <i>financial support</i> by various agencies for advanced studies/ <i>research</i> during the last five years ➤ Average 50%	20																																										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sn.</th> <th style="text-align: center;">Faculty</th> <th style="text-align: center;">Agencies</th> <th style="text-align: center;">Year</th> <th style="text-align: center;">Financial support</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td>Prof SK Jain</td> <td>2014-17</td> <td>UGC BSR</td> <td>7 Lakhs</td> </tr> <tr> <td rowspan="2" style="text-align: center;">2.</td> <td rowspan="2" style="text-align: center;">Prof. S. Yadav</td> <td>2013-2016</td> <td>DBT</td> <td>128 Lakhs</td> </tr> <tr> <td>2016-2020</td> <td>DBT</td> <td>22 Lakhs</td> </tr> <tr> <td></td> <td style="text-align: center;">Dr. R.K. Koiri</td> <td>2014-2017</td> <td>DST-SERB</td> <td>23.5 Lakhs</td> </tr> <tr> <td></td> <td style="text-align: center;">Dr. R.K. Koiri</td> <td>2019-2022</td> <td>DST-SERB</td> <td>47 lakhs</td> </tr> <tr> <td style="text-align: center;">3.</td> <td>Dr. S. K. Mishra</td> <td>2018</td> <td>MPCST</td> <td>8.2 Lakhs</td> </tr> <tr> <td style="text-align: center;">4.</td> <td>Dr. D. Jat</td> <td>2015-2020</td> <td>MPCOST</td> <td>3.88 Lakhs</td> </tr> <tr> <td colspan="5" style="text-align: center;">TOTAL: 239.58 LAKH TOTAL</td> </tr> </tbody> </table>	Sn.	Faculty	Agencies	Year	Financial support	1.	Prof SK Jain	2014-17	UGC BSR	7 Lakhs	2.	Prof. S. Yadav	2013-2016	DBT	128 Lakhs	2016-2020	DBT	22 Lakhs		Dr. R.K. Koiri	2014-2017	DST-SERB	23.5 Lakhs		Dr. R.K. Koiri	2019-2022	DST-SERB	47 lakhs	3.	Dr. S. K. Mishra	2018	MPCST	8.2 Lakhs	4.	Dr. D. Jat	2015-2020	MPCOST	3.88 Lakhs	TOTAL: 239.58 LAKH TOTAL				
Sn.	Faculty	Agencies	Year	Financial support																																								
1.	Prof SK Jain	2014-17	UGC BSR	7 Lakhs																																								
2.	Prof. S. Yadav	2013-2016	DBT	128 Lakhs																																								
		2016-2020	DBT	22 Lakhs																																								
	Dr. R.K. Koiri	2014-2017	DST-SERB	23.5 Lakhs																																								
	Dr. R.K. Koiri	2019-2022	DST-SERB	47 lakhs																																								
3.	Dr. S. K. Mishra	2018	MPCST	8.2 Lakhs																																								
4.	Dr. D. Jat	2015-2020	MPCOST	3.88 Lakhs																																								
TOTAL: 239.58 LAKH TOTAL																																												
3.1.4	Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years 30 students																																											
3.1.5	Institution has the following facilities to support research <ol style="list-style-type: none"> 1. Confocal microscope (under SIC) 2. Atomic force absorption Spectrophotometer 3. High performance liquid chromatography (HPLC) system 4. Transilluminators 5. Cell culture laminar hoods (Biosafety Cabinets) 																																											

	<ol style="list-style-type: none"> 6. Gel-documentation system 7. Cell culture CO2 Incubators 8. ELISA plate reader 9. Laminar hood for microbial culture 10. Tissue homogenizer 11. Microbial culture BOD Incubators 12. Lyophilization facility 13. Centrifuges (speed: low, medium, high) 14. Sonication facility 15. Protein gel electrophoresis apparatus 16. Thermal cyclers 17. Agarose gel electrophoresis apparatus 18. Thermal Ovens and Microwave ovens 19. Spectrophotometers 20. Autoclaves 21. Nano-drop spectrophotometer 22. Water baths 23. Water distillation systems 24. Histology facility and microtomy 	
3.1.6	<p>Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by national and international agencies (Data for the latest completed academic year)</p> <p>➤ DST-FIST (Zoology 2019-24)- Rs.125 Lakhs</p>	
3.2.1	<p>Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the Institution during the last five years (INR in Lakhs)</p>	
3.2.2	<p>Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs)</p> <p>✚ Rs 239.58 Lakhs+ 125 Lakhs (DST-FIST) = 239.58 lakh</p>	
3.2.3	<p>Number of research projects per teacher funded by government and non-government agencies during the last five years</p> <p>➤ 05 TEACHERS</p>	

3.3.2	<p>Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years</p> <ul style="list-style-type: none"> ✚ 05 seminars, ✚ 04 GIAN programmes, ✚ 02 workshops, ✚ 01 webinar 	
	✚ Average one programme per year	
	3.3 INNOVATION ECOSYSTEM (FDP ETC.)	30
3.4.1	<p>The institution ensures implementation of its stated Code of Ethics for research</p> <p>➤ Yes</p>	05
3.4.2	<p>The institution provides incentives to teachers who receive state, national and international recognitions/awards</p> <p>YES</p>	05
3.4.4	<p>Number of PhD's awarded per teacher during the last five years</p> <ul style="list-style-type: none"> ✚ 2017=03 PhD awarded by 2 faculty=1.5 ✚ 2018=04 PhD awarded by 4faculty=1/teacher ✚ 2019=02 PhD awarded by 2 faculty=1/teacher ✚ 2020=05 PhD awarded by 5 faculty=1/teacher <p>TOTAL = 14 Ph.D.</p>	100
3.4.5	<p>Number of research papers per teacher in the Journals notified on UGC website during the last five years</p> <ul style="list-style-type: none"> ✚ 2015-: 31papers/16 teachers- 2 per teacher ✚ 2016: 27 papers/13 teachers- 2.1 per teacher ✚ 2017: 16 papers /11 teachers- 1.4 per teacher ✚ 2018: 25 papers/ 10 teachers- 2.5 per teacher ✚ 2019: 14 papers/10 teachers- 1.4 per teacher ✚ 2020: 20 papers/09 teacher- 2.2 per teacher <p>TOTAL: AVERAGE 22 PER YEAR</p>	

3.4.6	<p>Number of books and chapters in edited volumes published per teacher during the last five years</p> <ul style="list-style-type: none"> ✚ 2015= 01 book +01 chapter ✚ 2016=06 books ✚ 2017=06 chapters ✚ 2018=02 chapters ✚ 2019=01 chapter ✚ 2020=02 books+03 chapters <p>AVERAGE =3.6 BOOK/BOOK CHAPTER PER YEAR</p>	
3.4.8	<p>Bibliometrics of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed</p> <p>✚ 1756 IRINS, 2593 GOOGLE CITATIONS COUNT</p>	
3.4.9	<p>Bibliometrics of the publications during the last five years based on Scopus/ Web of Science – h-Index of the University</p> <p>✚ 26 IRINS, 55 GOOGLE CITATIONS COUNT</p>	
3.5.1	<p>Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy</p> <p>YES</p>	
3.6.2	<p>Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years</p> <ul style="list-style-type: none"> ✚ 2015: 01 by faculty, 02 by student ✚ 2016: 01 by faculty ✚ 2017: 03 by faculty, 04 by students ✚ 2018: 01 by faculty ✚ 2019: 02 by faculty <p>✚ TOTAL= 14 AWARDS</p>	
3.6.3	<p>Number of extension and outreach programmes conducted by the institution including those through NSS/NCC/Red cross/YRC etc. (including Government initiated programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs) during the last five years</p>	

	✚ 05 PROGRAMMES (ONE PROGRAMME PER YEAR)	40
3.6.4	Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years ✚ 50 PERCENT	
3.7.1	Number of collaborative activities with other institutions/ research establishments/industry for research and academic development of faculty and students per year ➤ 04 GIAN programmes collaborating with foreign faculty ✚ 2020: Prof. Jelena Radulovic, Albert Einstein College of Medicine, Bronx, New York, USA (Collaborator – Prof. Janak Dulari Ahi). ✚ 2019: Dr Samuel W. James, University of IOWA, IOWA, USA (Collaborator – Prof. Shweta Yadav). ✚ 2018: Prof. Hyun Goo Woo, Ajou University School of medicine, Suwon, South Korea (Collaborator – Dr. Siddhartha Kumar Mishra) ✚ 2016: Prof. Seung Hyun Oh, Gachon University, South Korea (Collaborator – Dr. Siddhartha Kumar Mishra).	20
3.7.2	Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years UNDER PROCESS	
	TOTAL CREDIT: 180 CREDIT SCORED IN LAST FIVE YEAR IN CRITERION III	