

Appendix - I

TABLE 2

Methodology for University Teachers for calculating Academic/Research Score

(Assessment must be based on evidence produced by the teacher such as: copy of publications, project sanction letter, utilization and completion certificates issued by the University and acknowledgements for patent filing and approval letters, students' Ph.D. award letter, etc.)

Sl. No.	Academic/Research Activity	Maximum points for University teachers	Remarks
1.	Research Papers in Peer-Reviewed or UGC/NAAS listed journals	08 per paper	
2.	Publications (other than Research papers)		
	(a) Books authored which are published by ;		
	International publishers	10	
	National Publishers	05	
	Chapter in Edited Book	03	
	Editor of Book by International Publisher	10	
	Editor of Book by National Publisher	08	
	(b) Translation works in Indian and Foreign Languages by qualified faculties		
	Chapter or Research paper	03	
	Book	08	
3.	Creation of ICT mediated Teaching Learning pedagogy and content and development of new and innovative courses and curricula		
	(a) Development of Innovative pedagogy	05	
	(b) Design of new curricula and courses	02 per curricula/course	
	(c) MOOCs		
	Development of complete MOOCs in 4 quadrants (4 credit course)(In case of MOOCs of lesser credits 05 marks/credit)	20	
	MOOCs (developed in 4 quadrant) per module/lecture	05	
	Content writer/subject matter expert for each module of MOOCs (at least one quadrant)	02	
	Course Coordinator for MOOCs (4 credit course)(In case of MOOCs of lesser credits 02 marks/credit)	08	
	(d) E-Content		
	Development of e-Content in 4 quadrants for a complete course/e-book	12	
	e-Content (developed in 4 quadrants) per module	05	
	Contribution to development of e-content module in complete course/paper/e-book (at least one quadrant)	02	
	Editor of e-content for complete course/ paper /e-book	10	
4.	(a) Research guidance		
	Ph.D.(Guide/Co -guide)	10 per degree awarded 05 per thesis submitted	Relevant papers/certificates/ invitation letter and/or CAS application duly verified and endorsed by the unit Head and certified by the controlling officer.
	M.Sc. (Ag.)/ M.Sc. (Hort.)/M. Tech. (Ag. Engineering). B.Tech. (Project/In-plant/Industrial training evaluation)	02 per degree awarded	
	Trainee/Short term student guidance from outside university	01 per candidate	
	Member of student advisory committee	02 per student	
	(b) Research Projects Completed		
	More than 1cr. Or International fund of any volume	20	
	Major projects amount mobilized with grants above Rs.30 lakhs to 1 cr.	15	
	More than 10 lakhs	10	
	Less than 10 lakhs	05	
	(c) Research Projects Ongoing:		
	More than 1cr. Or International fund of any volume	10	
	Major projects amount mobilized with grants above	07	

	Rs.30 lakhs to 1 cr.		
	More than 10 lakhs	05	
	Less than 10 lakhs	02	
	(d) Consultancy	03 for every 10 lakh amount mobilized	
5.	(a) Patents		
	International	10	
	National	05	
	(b) Project outcome/ outputs		
	Innovative technologies developed, participatory technology developed, prototype, copyright, design, genetic stock, Geographic Indication (GI) registration, new strains of bacteria/microbes/fungi identified, New Traits/ Genes Identified, variety development, new farm machinery & tools developed, product, vaccine, diagnostic kit, process, concept, methodology, commercialization of technology, Licensing of technology, Registration of technology, Start Up or Agri-business incubator development and registration, Facilitator of new farmers club/FPC for innovative technology commercialization and registration, Value Chain/ Model Villages, Innovative Extension Methodologies, Entrepreneurial Models developed, software development/Data base management/ Portal / Mobile Apps/ Algorithm/Analytical Model/Statistical methodologies and other IT tools developed, Expert system developed/Decision support system /models / e-learning lessons / models developed & any other relevant output.	4 marks for PI, 3 marks for Co-PI for each output	Relevant papers/certificates/ invitation letter and/or CAS application duly verified and endorsed by the unit Head and certified by the controlling officer.
	(c) Capacity building / monitoring/ evaluation		
	Service providing activities related to production, processing and distribution of seeds/culture/planting Materials (over 25,000 Rupees gross income per year)/diagnostic services/infrastructure developed/instrument purchased, maintenance offarms, Incharge of cattleyard, IFS, fish & fish seed production, hatchery etc	4 marks for PI, 3 marks for Co-PI for each output	Relevant papers/certificates/ invitation letter and/or CAS application duly verified and endorsed by the unit Head and certified by the controlling officer.
	(d) Technology spread and impact across the system		
	The variety released entered into seed chain/Wide spread adoption of the variety /planting materials /tools / machinery / technology developed etc. by the farmers / clients across the system / state/country with a perceptible impact. Commercial release/testing/certification use of the technology attracting revenue to the organization (up to 10 lakhs), Adoption of concept /methodology /product by research and academic members across NARS/ CGIAR/State government, international research and academic bodies, accreditation of the laboratory received etc. for research papers evidence in the form of H index (5-10,10-15, 15-20 and more that 20)	4 marks for PI, 3 marks for Co-PI for each output	Relevant papers/certificates/ invitation letter and/or CAS application duly verified and endorsed by the unit Head and certified by the controlling officer.

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(e)*Policy Document (Submitted to an International body/organisation like UNO/UNESCO/World Bank/International Monetary Fund etc. or Central Government or State Government)		Relevant papers/certificates/ invitation letter and/or CAS application duly verified and endorsed by the unit Head and certified by the controlling officer.
International	10	
National	07	
State	04	
District	03	
University	02	
(c) Awards/Fellowship		
International	07	
National	05	
State	03	
Best Paper, Best Posters, Conference prizes/medals, Institutional or recognized professional societies award /fellowship / journal editor	01 marks each	
Special assignments (International organizations, overseas and special national assignments/consultancies not covered anywhere else in the application)	01 mark for each	
Students qualifying in NET, SRF, ARS, ICAR-Jawaharlal Nehru Award for P.G. Outstanding Doctoral Thesis, Best Doctoral Thesis Award given by National/International level Academic Bodies/ Institutions/ Universities, Overseas Fellowship to students.	01 marks each	
6. (a)Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference Proceedings (Paper presented in Seminars/Conferences and also published as full paper in Conference Proceedings will be counted only once)		Relevant papers/certificates/ invitation letter and/or CAS application duly verified and endorsed by the unit Head and certified by the controlling officer.
International (Abroad)	07	
International (within country)	05	
National	03	
State/University	02	
(b) Participation and presentation of research paper (poster)		
International (Abroad)	05	
International (within country)	03	
National	02	
State/University	01	
(c) Refresher courses, Orientation Course, Methodology workshops, Training, teaching-Learning evaluation Technology programmes, Soft Skills development programmes, Faculty Development programme		
International (Abroad)	10	
Not less than two weeks duration in India	05	

One week duration (5-6 days) in India	03	
Less than 5 days	02	
(d) Expert in Selection committee/BRS/other committee of other Institutions/National and International Committee members		Relevant papers/certificates/ invitation letter and/or CAS application duly verified and endorsed by the unit Head and certified by the controlling officer.
International Level	10	
National Level	05	
(e) Thesis evaluation of other University		
Ph.D.	07	
M.Sc.	03	

The Research score for research papers would be augmented as follows:

Peer-Reviewed or UGC-listed Journals (Impact factor to be determined as per Thomson Reuters list):

- i) Paper in refereed journals without impact factor – 5 Points
- ii) Paper with impact factor less than 1 – 10 Points
- iii) Paper with impact factor between 1 and 2 – 15 Points
- iv) Paper with impact factor between 2 and 5 – 20 Points
- v) Paper with impact factor between 5 and 10 – 25 Points
- vi) Paper with impact factor >10 – 30 Points

(a) Two authors: 70% of total value of publication for each author.

(b) More than two authors: 70% of total value of publication for the First/Principal/Corresponding author and 30% of total value of publication for each of the joint authors.

Joint Projects: Principal Investigator will get 60% and Co-investigator would get 40% each.

Note:

- Paper presented if part of edited book or proceeding then it can be claimed only once.
- For joint supervision of research students, the formula shall be 70% of the total score for Supervisor and Co-supervisor. Supervisor and Co-supervisor, both shall get 7 marks each.
- *For the purpose of calculating research score of the teacher, the combined research score from the categories of 5(b).Policy Document and 6. Invited lectures/Resource Person/Paper presentation shall have an upper capping of thirty percent of the total research score of the teacher concerned.
- The research score shall be from the minimum of three categories out of six categories

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TABLE-3

(Minimum API requirement for the promotion of teachers under CAS in university departments)

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 Assistant Secretary
 Agriculture Dept.
 Govt. of W. B.

Sl No.		Assistant Professor (Stage 1/ AGP Rs.6000/- to Stage 2/AGP Rs.7000/-)	Assistant Professor (Stage 2/ AGP Rs.7000/- to Stage 3/AGP Rs.8000/-)	Assistant Professor (Stage 3/ AGP Rs.8000/) to Associate Professor (Stage 4/AGP Rs.9000/-)	Associate Professor (Stage 4/ AGP Rs.9000/- to Professor (Stage 5/AGP Rs.10000/-)
1	Research and Academic contribution (Category III)	40/assessment period	100/assessment period	90/assessment period	120/assessment period
2	Expert assessment system	Screening Committee	Screening Committee	Selection Committee	Selection Committee