HARCOURT BUTLER TECHNICAL UNIVERSITY

Recruitment Rules (Direct Recruitment) for Faculty Positions (Assistant Professor, Associate Professor and Professor) in Mathematics

Name of the	Essential Qualification and	Relevant Discipline	Note and Relaxations
Post	Experience		
Assistant Professor,	(i) M.A. / M.Sc. in relevant branch with a minimum of 55%	Mathematics Applied Mathematics	<i>Note:</i> (i) A relevant grade which is
Level-10, Entry Pay:57,700/-	marks (or an equivalent grade in point scale when grading system is followed). (A relaxation of 5% for reserved	Discrete Mathematics Industrial Mathematics Industrial Mathematics with Computer	regarded as equivalent of 55%, wherever the grading system is followed by a recognized University, at the Master 's level
	categories and Ph.D. Degree holders who obtained their Master's Degree prior to 19 September, 1991 is permissible	Applications Mathematics and Computing Financial Mathematics	shall also be considered valid. (ii) The time taken by candidates to acquire M.Phil. and / or Ph.D. Degree shall not be considered as
	as per UGC Regulation July 18, 2018.)	Stochastic Processes Operational Research Mathematical	teaching/ research experience to be claimed for appointment to the teaching positions. Further the
	(ii) NET/ SLET/SET cleared (The Ph.D. Degree shall be a mandatory qualification for direct	Modelling and Scientific Computing Advanced Scientific	period of active service spent on pursuing Research Degree simultaneously with teaching
	recruitment to the post of Assistant Professor in Universities with effect from 01.07.2023)	Computing Modeling and Simulation	assignment without taking any kind of leave, shall be counted as teaching experience for the purpose of direct recruitment.
	OR Ph.D. Degree in Accordance with the UGC (Minimum Standards	Statistics Applied Statistics Mathematical Statistics	Relaxation i) A relaxation of 5% shall be
	and Procedure for Award of M.Phil/ Ph.D. Degree) Regulations, 2009 or 2016.	Financial Statistics Data Science Machine Learning	allowed at the Bachelor's as well as at the Master's level for the
	OR	Artificial Intelligence Artificial Intelligence	Scheduled Caste / Scheduled Tribe/ Other Backward Classes
	Ph.D. Degree with registration for the Ph.D. programme prior to July 11, 2009 subject to the	and Machine Learning Deep Learning Big Data Analytics	(OBC) (Non-creamy Layer) / Differently-abled (a) Blindness and low vision; (b) Deaf and
	fulfilment of the following conditions: - (a) Ph.D. degree of the candidate	Computational Statistics and Machine Learning Simulation and Data	disability including cerebral palsy, leprosy cured, dwarfism,
	awarded in regular mode only; (b) Evaluation of the Ph.D. thesis by at least two external	Science Cloud Computing Actuarial Science	acid-attack victims and muscular dystrophy; (d) Autism, intellectual disability, specific
	examiners; (c) An open Ph.D. Viva Voce of the candidate had been	Mathematics and Computer Science Applied Statistics and	learning disability and mental illness; (e) Multiple disabilities from amongst persons under (a)
	conducted; (d) Candidate has published two research papers from his/ her	Data Analytics	to (d) including deaf-blindness) for the purpose of eligibility and assessing good academic record
	Ph.D. work out of which at least one must be in a refereed journal; (e) Candidate has made at least		for direct recruitment. The eligibility marks of 55% marks (or an equivalent grade in a point
	two presentations in conference / seminars, based on his/ her Ph.D. work.		scale wherever the grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible, based only on the qualifying

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			marks without including any
			grace mark procedure.
			(ii) A relaxation of 5% shall be
			provided, (from 55% to 50% of
			the marks) to the Ph.D. Degree
			holders who have obtained their
			Master's Degree prior to 19
			September, 1991.
Associate	(i) M.A. / M.Sc in relevant branch	Mathematics	Note:
Professor,	with at least 55% marks (or an	Applied Mathematics	(i)The Ph.D. Degree shall be a
Level-13A1,	equivalent grade in point scale	Discrete Mathematics	mandatory qualification for
Entry Pay-	when grading system is followed)	Industrial Mathematics	appointment to the post of
131400/-	(A relaxation of 5% for reserved	Industrial Mathematics	Associate Professor.
101100/	categories and Ph.D. Degree	with Computer	(ii) A relevant grade which is
	holders who obtained their	Applications	regarded as equivalent of 55%,
	Master's Degree prior to 19	Mathematics and	wherever the grading system is
	September, 1991 is permissible	Computing	followed by a recognized
	as per UGC Regulation July 18,	Financial Mathematics	
			University, at the Master 's level
	2018.)	Stochastic Processes	shall also be considered valid.
		Operational Research	(iii)The time taken by candidates
	(ii) Good academic record with a	Mathematical	to acquire M.Phil. and / or Ph.D.
	Ph.D. Degree in relevant branch.	Modelling and	Degree shall not be considered as
	(iii) Minimum of seven	Scientific Computing	teaching/ research experience to
	publications in the peer reviewed	Advanced Scientific	be claimed for appointment to the
	/ UGC listed Journals and a total	Computing	teaching positions. Further the
	research score of seventy five	Modeling and	period of active service spent on
	(75) as per the criteria give in	Simulation	pursuing Research Degree
	Appendix II, Table 2 of UGC		simultaneously with teaching
	Regulations. July 18, 2018.	Statistics	assignment without taking any
		Applied Statistics	kind of leave, shall be counted as
	Experience	Mathematical Statistics	teaching experience for the
	-	Financial Statistics	purpose of direct recruitment.
	(i)A Minimum of eight year of	Data Science	
	experience of teaching and / or	Machine Learning	Relaxation
	research in a academic/ research	Artificial Intelligence	i) A relaxation of 5% shall be
	position equivalent to that of	Artificial Intelligence	allowed at the Bachelor's as well
	Assistant Professor in a	and Machine Learning	as at the Master's level for the
	University,	Deep Learning	candidates belonging to
	College or Accredited Research	Big Data Analytics	Scheduled Caste / Scheduled
	Institution / Industry.	Computational Statistics	Tribe/ Other Backward Classes
	(ii) Contribution to educational	and Machine Learning	
		e	(OBC) (Non-creamy Layer) /
	innovation, design of new	Simulation and Data	Differently-abled (a) Blindness
	curricula and courses, and	Science	and low vision; (b) Deaf and
	technology-mediated teaching	Cloud Computing	Hard of Hearing; (c) Locomotor
	learning process.	Actuarial Science	disability including cerebral
		Mathematics and	palsy, leprosy cured, dwarfism,
		Computer Science	acid-attack victims and muscular
		Applied Statistics and	dystrophy; (d) Autism,
		Data Analytics	intellectual disability, specific
			learning disability and mental
			illness; (e) Multiple disabilities
			from amongst persons under (a)
			to (d) including deaf-blindness)
			for the purpose of eligibility and
			assessing good academic record
			for direct recruitment. The
			eligibility marks of 55% marks
			(or an equivalent grade in a point
			scale wherever the grading
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			system is followed) and the
			relaxation of 5% to the categories
			mentioned above are permissible,
			based only on the qualifying
			marks without including any
			grace mark procedure.
			(ii) A relaxation of 5% shall be
			provided, (from 55% to 50% of
			the marks) to the Ph.D. Degree
			holders who have obtained their
			Master's Degree prior to 19
			September, 1991.
Duefesser	A (i) M A (M Co in polocopt	Mathematics	Note:
Professor,	A. (i) M.A./M.Sc. in relevant		
Level-14,	branch with at least 55% Marks	Applied Mathematics	(i) The Ph.D. Degree shall be a
Entry Pay-	(or an equivalent grade in point	Discrete Mathematics	mandatory qualification for
144200/-	scale when grading system is	Industrial Mathematics	appointment to the post of
	followed).	Industrial Mathematics	Professor.
	(A relaxation of 5% for reserved	with Computer	(ii) A relevant grade which is
	categories and Ph.D. Degree	Applications	regarded as equivalent of 55%,
	holders who obtained their	Mathematics and	wherever the grading system is
	Master's Degree prior to 19	Computing	followed by a recognized
	September, 1991 is permissible	Financial Mathematics	University, at the Master 's level
	as per UGC Regulation July 18,	Stochastic Processes	shall also be considered valid.
	2018.)	Operational Research	(iii) The time taken by
		Mathematical	candidates to acquire M.Phil.
	(ii) An eminent scholar with	Modelling and	and / or Ph.D. Degree shall not
	Ph.D. qualification in relevant	Scientific Computing	be considered as teaching/
	branch.	Advanced Scientific	research experience to be
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	(iii) Published work of high	Computing	claimed for appointment to the
	quality, actively engaged in	Modeling and	teaching positions. Further the
	research with evidence of	Simulation	period of active service spent on
	published work with a minimum		pursuing Research Degree
	of 10 research publications in the	Statistics	simultaneously with teaching
	peer reviewed / UGC listed	Applied Statistics	assignment without taking any
	Journals and a total of research	Mathematical Statistics	kind of leave, shall be counted as
	score of 120 as per the criteria in	Financial Statistics	teaching experience for the
	Appendix II, Table 2 of UGC	Data Science	purpose of direct recruitment.
	notification dated 18 July, 2018.	Machine Learning	
		Artificial Intelligence	Relaxation:
	OR	Artificial Intelligence	(i) A relaxation of 5% shall be
		and Machine Learning	allowed at the Bachelor's as well
	B. An outstanding professional	Deep Learning	as at the Master's level for the
	with Ph.D. in relevant / allied /	Big Data Analytics	candidates belonging to
	applied disciplines from	Computational Statistics	Scheduled Caste /Scheduled
	academics / research institutions /	and Machine Learning	Tribe /Other Backward Classes
	industries.	Simulation and Data	(OBC) (Non-creamy Layer)
		Science	/Differently-abled (a) Blindness
	Experience	Cloud Computing	and low vision; (b) Deaf and
		Actuarial Science	Hard of Hearing; (c) Locomotor
	A (i) Minimum of tan man of		
	A (i) Minimum of ten years of	Mathematics and	disability including cerebral
	teaching experience in university	Computer Science	palsy, leprosy cured, dwarfism,
	/ college as Assistant Professor /	Applied Statistics and	acid-attack victims and muscular
	Associate Professor / Professor,	Data Analytics	dystrophy;(d)Autism, intellectual
	and / or research experience at		disability, specific learning
	equivalent level at the University		disability and mental illness; (e)
	/ National level institutions /		Multiple disabilities from
	industries with evidence of		amongst persons under (a) to (d)
	having successfully guided		including deaf- blindness) for the
	doctoral candidate.		purpose of eligibility and
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	assessing good academic record
(ii) Contribution to educational	for direct recruitment. The
innovation, design of new	eligibility marks of 55% marks
curricula and courses, and	(or an equivalent grade in a point
technology- mediated teaching	scale wherever the grading
learning process.	system is followed) and the
OR	relaxation of 5% to the categories
B. Significant contributions to the	mentioned above are permissible,
knowledge in the concerned/	based only on the qualifying
allied / relevant disciplines to be	marks without including any
substantiated with documentary	grace mark procedure.
evidence.	(ii) A relaxation of 5% shall be
	provided, (from 55% to 50% of
	the marks) to the Ph.D. Degree
	holders who have obtained their
	Master's Degree prior to19
	September, 1991.

General Conditions

a) In institutions /universities where a division/class is not awarded, the candidate shall have to submit the relevant conversion formulae for proof of first division from their respective universities/institutes. If a division/class is not awarded, a minimum of 60% marks in aggregate shall be considered equivalent first class/division. If a Grade Point System is adopted the CGPA will be converted into equivalent marks as per the Table given below:

Grade point	Equivalent Percentage	
6.25	55	
6.75	60	
7.25	65	
7.75	70	
8.25	75	

- b) The screening of applications shall be done based on the candidate's API calculated as per prescribed guidelines
- c) For the post of Assistant Professor, there will be a written test in Mathematics. The screening of applicants for the post of Assistant Professor shall be done on the basis of their combined API and the score on the written test.
- d) Reservation for SC/ST/OBC/PH/EWS shall as per the UP-state government rules.
- e) In case of exceptional merit, the Selection Committee may recommend a maximum of 03 additional increments for higher qualifications, experience and achievements by the candidates
- f) Persons already in employment should apply through proper channel.
- g) As per the UGC Gazette Notification dated October 12th 2021, Ph.D Degree shall be a mandatory qualification for direct recruitment to the post of Assistant Professor with effect from 01.07.2023.