



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

HARCOURT BUTLER TECHNICAL UNIVERSITY




NAWABGANJ, KANPUR - 208002, U.P., INDIA

(Formerly Harcourt Butler Technological Institute, Kanpur)

Phone : +91-0512-2534001-5, 2533812, website : <http://www.hbtu.ac.in>, Email : vc@hbtu.ac.in

100 YEARS
1921 - 2021

Adequate and well equipped laboratories and Technical manpower

S. No.	Name of the Laboratory	No. of student's per setup (Batch Size)	Name of the important equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the technical staff	Designation (Contractual)	Qualification
1	Testing and Evaluation Laboratory (UG-I)  	4-5	1. Hegmangaugue two sets (with applicator.) 2. Hot air oven 3. Hot plate 4. Melting point apparatus with cooling 5. Stopwatch 6. Adhesion tester cutter (cross cut) 7. Lovibond Tintometer 8. Weight per Litre Cup 9. Black and white Cryptometer	6 hrs.	P. A. Naqvi (R.A)	Research Assistant	Ph.D. Chemistry
2	Project Laboratory (UG-II) 	4-5	1. Salt spray cabinet 2. Corrosion cabinet 3. Ultra Cryostat, (circulatory)-lab model 4. Vibro-shaker (Chemplast) 5. Pencil Hardness Tester 6. Cylindrical flexibility tester 7. Scratch Hardness Tester 8. Dry film thickness Tester	6 hrs.	P. A. Naqvi (R.A)	Research Assistant	Ph.D. Chemistry



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			9. Wet film thickness Tester 10. Humidity chamber 11. Bead mills 12. Sigma Kneader 13. Triple roller machine				
3	Paint Application Laboratory 	4-5	1. Powder Coating Plant 2. Paint Spray Booth	3 hrs.			
4	Paint Bay 	10	1. Edge Runner 2. Pot Mill 3. Ball Mill 4. Triple Roll Mill	3 hrs.			
5	Central Instrumental Laboratory 	4-5	1. UV-VIS Spectrophotometer 2. Rotary Evaporator 3. Surface and Interfacial Tensiometer (4 Nos.) 4. Design Expert (10 User) software 5. Multi-Fuel Analyzer 6. Automatic Bomb Calorimeter 7. MATLAB (5				



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			User) software 8. STATISTICA Ultimate Academic Pack Bundle (5 User) software 9. FT-IR 10. Glossmete 11. Analytical Balance (2 Nos.) 12. Differential Scanning Calorimeter (DSC) 13. Thermal Gravimetric Analyzer (TGA) 14. Origin Lab Professional Version 2016 (10 User) software 15. SAFTEST-II Analyzer 16. Lovibond Tintometer 17. HybridSFC/U HPLC 18. Gas Chromatograp h 19. Rheometer 20. Mass spectrometer				
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			15. SAFTEST-II Analyzer 16. Lovibond Tintometer 17. Hybrid SFC/UHPLC 18. Gas Chromatograph 19. Rheometer 20. Mass spectrometer				
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