

ACHIEVEMENTS OF DEPARTMENT OF BIOCHEMISTRY

Achievement	Date started	How many done till date	How many IPs benefitted from the department
<p style="text-align: center;"><u>Academics:</u></p> <p>a. MBBS course (Recognized) with 98-100% pass rate</p> <p>b. Implemented CBME curriculum for UG batch.</p> <p>c. Permission for 3 MD (Biochemistry) seats per year from 2021 batch</p> <p>d. Implemented CBME MD (Biochemistry) curriculum from 2021 PG batch.</p> <p><u>CMEs/CPDs:</u></p> <p>1. LYSOSOMAL storage diseases AND HEMOGLOBINOPATHIES WORKSHOP - Hb ELECTROPHORESIS</p> <p>2. WIDENING CLINICAL BIOCHEMISTRY HORIZONS</p> <p>3. EFFECTIVE IMPLEMENTATION OF NEW BIOCHEMISTRY CURRICULUM</p> <p>4. "DNA ISOLATION - COMPETENCY NO: BI 11.16".</p> <p>5. "HPLC - BASIC PRINCIPLES & APPLICATIONS - NEWBORN SCREENING & VITAMIN ANALYSIS"</p> <p>6. "SIX SIGMA METRICS: ROLE IN ENSURING AND ENHANCING QUALITY IN CLINICAL BIOCHEMISTRY"</p> <p>7. AUTOMATION OF SERUM PROTEIN ELECTROPHORESIS & ITS INTERPRETATION"</p>	<p>2016</p> <p>2019</p> <p>2021</p> <p>2021</p> <p>26.11.2016 to 27.11.2016</p> <p>07.07.2018</p> <p>14.09.2019</p> <p>07.03.2020</p> <p>08.01.2022</p> <p>22.09.22</p> <p>20.12.2022</p>	<p>125 students per year</p> <p>9 Postgraduate students admitted</p>	<p>9 Postgraduate students admitted</p>

8. HB VARIANTS & THALASSEMIA DETECTION"- it's time to be Proficient	13.05.2023		
9. BIOCHEMISTRY AETCOM- “WHAT DO YOU MEAN BY DOCTOR & PATIENT” “ DOCTOR- LIFELONG LEARNER”	17.02.2024		
<u>Research Projects:</u>			
1.Ongoing Research projects	14		
2.Completed Research projects and ready for publication:	03		
3.ICMR STS Project	2		
4.Total number of publication	35		
<u>Awards:</u>			
1. UG student awarded as the best paper presentation (1 st prize)	2022		
2. PG student 2 nd position in e-poster competition.	2023		
3. PG student 1 st position in oral paper presentation in State AMBI conference	2024		
4.PG student 3 rd position in oral paper presentation in State AMBI conference	2024		
<u>Patient care services:</u>			
1.Upgraded the OPD Sample collection facility.	2022	150000	150000
2..Initiated arrangements for Home Sample Collection services as per Headquarters instructions	2023	3750	3750
3. Initiated 100 % online reporting as per Headquarters instructions	2023		
4 .New Born Screening – started G6PD, 17-OHP along with other existing parameters of NBS panel.	2023	2000	2000

5.Started Total Bile Acids estimation for Intrahepatic Cholestasis in Pregnancy	2023	240	240
6.Beta 2 glycoprotein antibody as a part of APLA for autoimmune disease	2022	340	340
7.Started Serum Protein electrophoresis and Immunofixation electrophoresis	2022	63	63
8.Started Hb variant and Thalassemia analysis using HPLC	2020	3000	3000