Sri MANAKULA VINAYAGAR Medical College and Hospital

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

IIC CALENDAR ACTIVITY

TOPIC: Exhibition of Innovations in Biochemistry (KALAPRATHIBA)

REPORT

Organized by: Department of Biochemistry & Institutional Innovation Council (IIC)

Venue: Department of Biochemistry

Date: 28.11.23 to 30.11.23

Objectives:

- Foster innovation and creativity among students in the field of biochemistry.
- Provide a platform for students to exhibit their talents and practical skills.
- Encourage entrepreneurial thinking and problem-solving in biochemical contexts.
- Promote critical thinking and scientific inquiry among participants.
- Facilitate interaction and feedback between students and distinguished judges.

Participant Details:

Students were divided into 14 groups, with each team comprising 4-7 members. Participants showcased innovations crafted from reusable materials, highlighting their commitment to sustainability and resourcefulness.

Judges:

A distinguished panel of judges evaluated the presentations:

- Dr. Erli Ian, HOD Department of Pathology
- Dr. R. Gopal, HOD Department of Microbiology
- Dr. Mangai, Professor Department of Microbiology

Program Overview:

The event unfolded in the Library hall of the Department of Biochemistry, providing an ideal setting for intellectual exchange and creative exhibition. Participants presented their posters and models, demonstrating their understanding of biochemical concepts and their ability to apply them in innovative ways. Judges engaged with each team, providing valuable feedback and fostering a culture of collaboration and academic excellence.

Outcomes:

- Innovation and Creativity: Participants showcased innovative solutions to biochemical challenges, leveraging reusable materials to craft visually captivating models.
- Entrepreneurship: The competition nurtured an entrepreneurial spirit among students, inspiring them to explore novel ideas and concepts in biochemistry.
- Critical Thinking and Problem-Solving: Participants demonstrated analytical precision and scientific rigor in tackling complex biochemical problems, showcasing their ability to think critically and solve problems effectively.
- Interaction and Collaboration: Judges provided insightful feedback, facilitating interaction and collaboration between students and academic experts.
- Inspiration for Future Endeavors: The event served as a source of inspiration for future generations of scientists and researchers, emphasizing the transformative potential of innovation and creativity in biochemistry.

Way Forward:

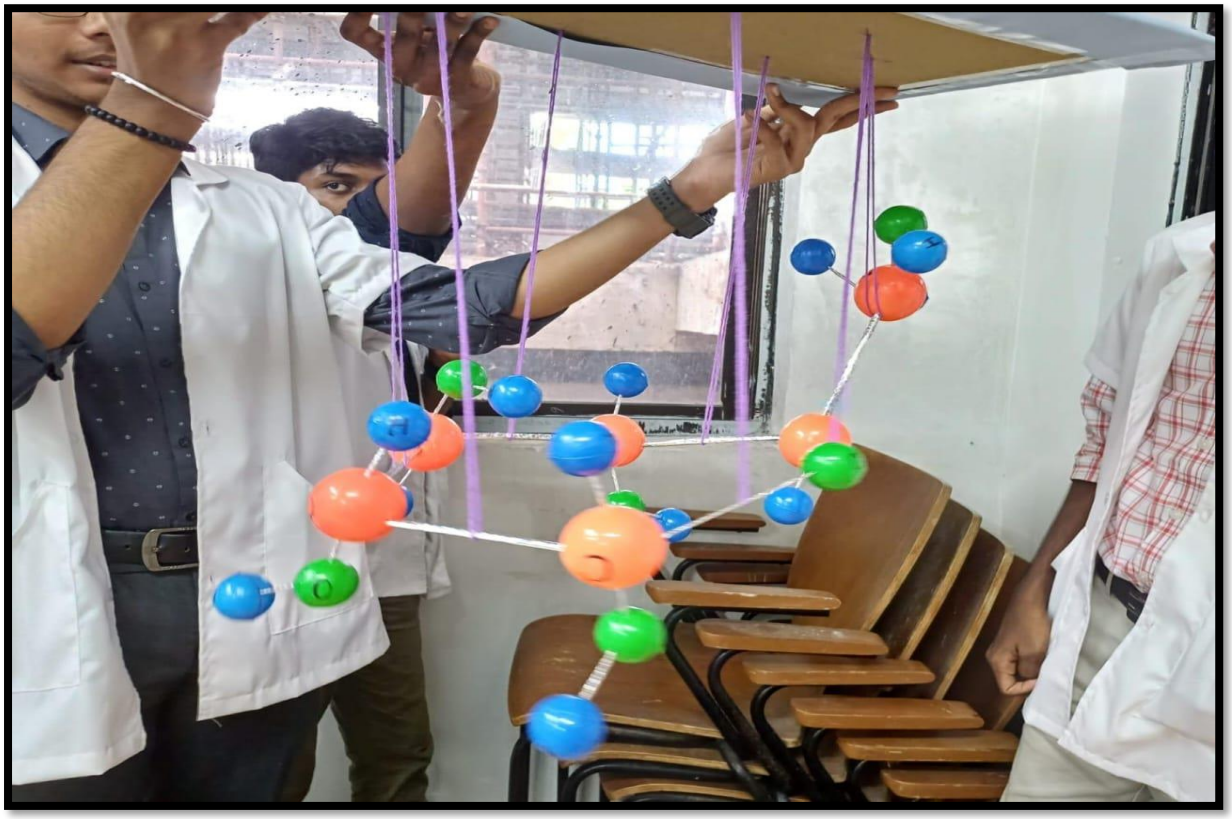
Moving forward, the Department of Biochemistry will continue to organize such events to nurture the talents and potential of students in the field of biochemistry. Emphasis will be placed on fostering innovation, critical thinking, and entrepreneurial thinking, thereby preparing students to address the scientific challenges of tomorrow with confidence and ingenuity.

FEEDBACK ANALYSIS

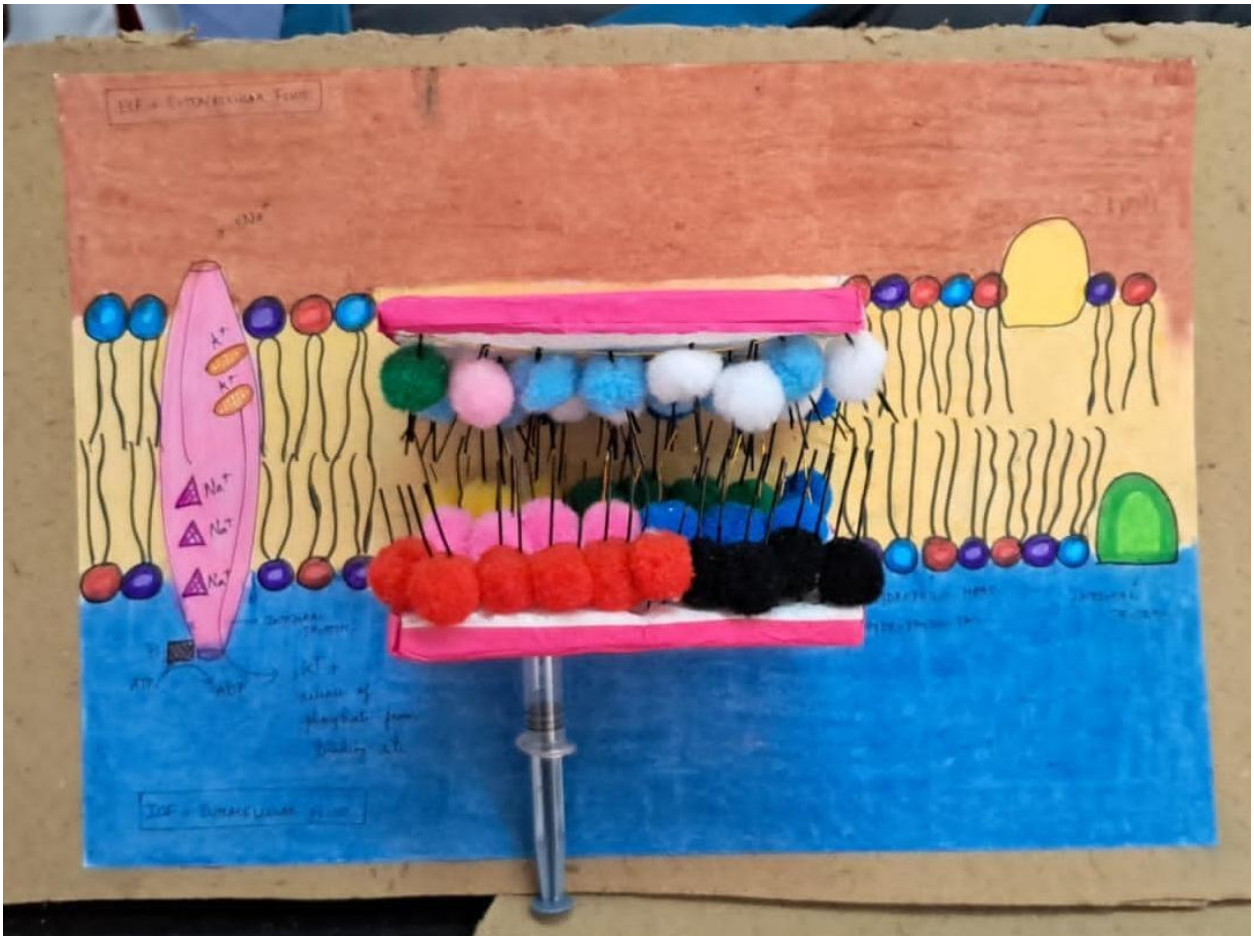
Date: 28.11.2023 to 30.11.2023

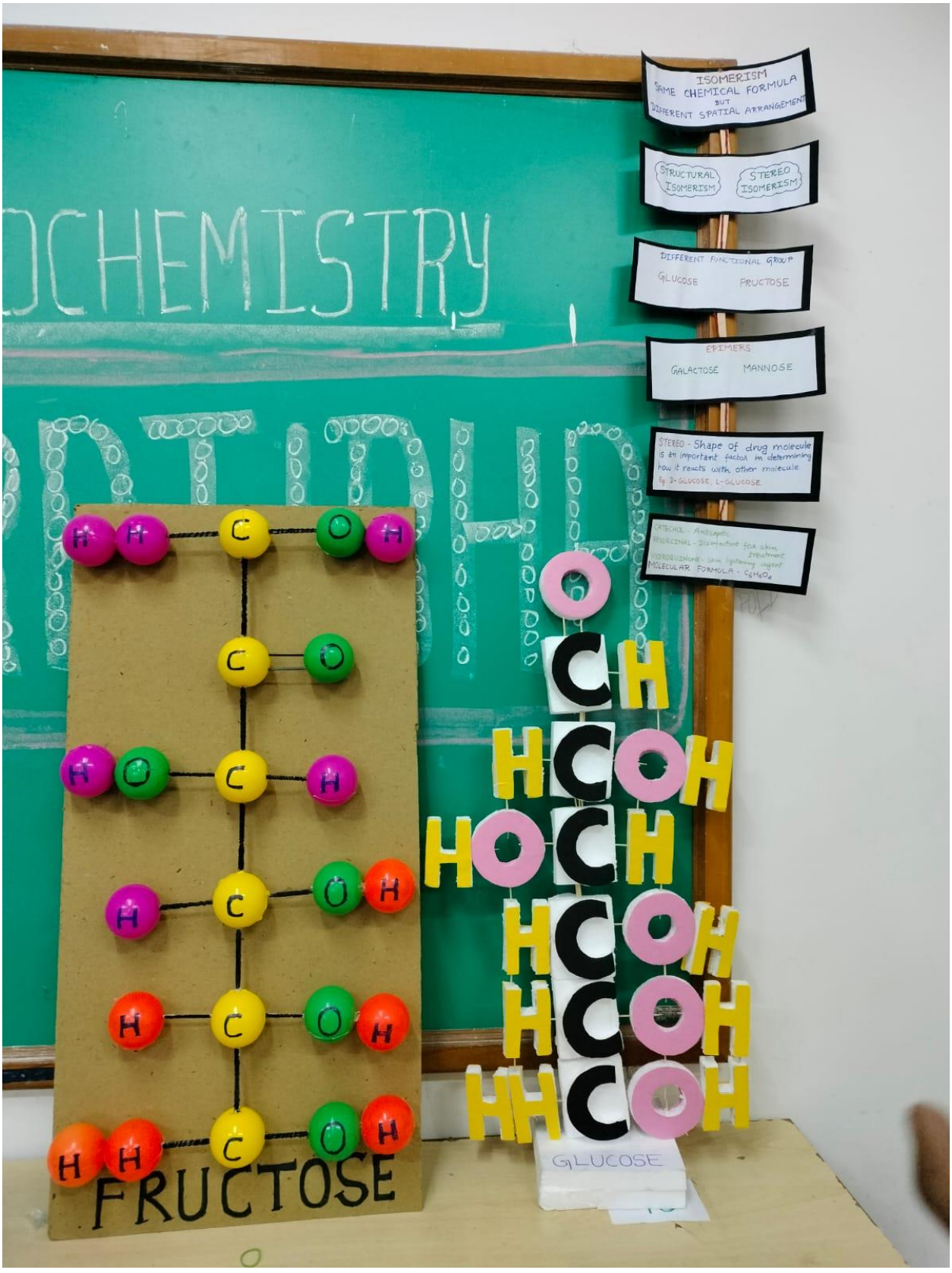
S.No	Questions	Poor	Satisfactory	Good	Excellent
1.	Rate the session	-	7%	88%	5%
2.	Rate the Arrangement of the Stations	-	9%	91%	-
3.	Overall arrangement of the program	-	5%	85%	10%

S.No	Analysis Report	Action Plan
1.	Sessions were found useful by the students	Planning to conduct this kind of Competition in future years also




Tertiary Protein




OCHEMISTRY
ISOMERISM
SAME CHEMICAL FORMULA
BUT
DIFFERENT SPATIAL ARRANGEMENT
STRUCTURAL ISOMERISM
STEREO ISOMERISM
DIFFERENT FUNCTIONAL GROUP
GLUCOSE
FRUCTOSE
EPIMERS
GALACTOSE
MANNOSE
STEREO - Shape of drug molecule is an important factor in determining how it reacts with other molecule.
Eg D-GLUCOSE, L-GLUCOSE
CATECHOL - Antiseptic
RESORCINAL - Disinfectant for skin treatment
HYDROQUINONE - Skin lightening agent
MOLECULAR FORMULA - C6H6O2
FRUCTOSE
GLUCOSE