



# GOVERNMENT DEGREE COLLEGE (M), SRIKAKULAM



## Student Seminar

<b>Name of the Presenter :</b>	P. Tarun Sai
<b>Class:</b> <b>Date:</b>	III BtZC 29-09-2022
<b>No. of students attended</b>	19
<b>Title:</b>	Genome engineering using the CRISPR-Cas9 system
<b>Presentation Methodology</b>	Lecture, Q& A
<b>Tools used in presentation</b>	Youtube video , Black board <a href="https://www.youtube.com/watch?v=2pp17E4E-O8">https://www.youtube.com/watch?v=2pp17E4E-O8</a>
<b>Brief Report</b>	<p>.Key highlights from the seminar included:</p> <ul style="list-style-type: none"><li>• Detailed explanations of the CRISPR-Cas9 system, including the role of guide RNA and Cas9 endonuclease.</li><li>• Case studies demonstrating successful genome editing in various organisms, including plants and animals.</li><li>• Discussion on the potential therapeutic applications of CRISPR-Cas9, particularly in the treatment of genetic disorders.</li><li>• Ethical considerations regarding genome editing, including the importance of responsible research and clinical applications.</li></ul>
<b>Reference Cited</b>	<a href="https://crisprtx.com/gene-editing/crispr-cas9">https://crisprtx.com/gene-editing/crispr-cas9</a> <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4975809/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4975809/</a>
<b>Feed Back of Students/Remarks</b>	<ol style="list-style-type: none"><li>1. "I was fascinated by the possibilities that CRISPR-Cas9 offers for genome engineering. The seminar expanded my understanding of this revolutionary technology."</li><li>2. "The live demonstrations were especially helpful in visualizing the techniques discussed in the presentations."</li><li>3. "The ethical discussion was thought-provoking, and it made me reflect on the responsible use of genome editing technologies."</li></ol>
<b>Signature of the Students</b>	<p>K. Chaitanya S. Likitha S. Prakash S. Srinivas S. K. S. K. S. S. Dineshwar S. S. S. S.</p>

13, Santhosh  
 9, Vignesh  
 10, ceethayin.  
 11, Neeraveni  
 12, Annam.  
 13, nageswari K. Karad,  
 14. Manohar  
 15. Shaleen Raju  
 16) Keshavani  
 17) G. Indrak.

18 Nandha Pragas.  
 19) K. Abir.

### Seminar Photo



### Feed back of the class Incharge

The student seminar on "Genome Engineering using the CRISPR-Cas9 System" successfully educated students about the CRISPR-Cas9 system's significance in modern molecular biology and genetic research. It provided valuable insights into the potential and ethical considerations of genome editing technology. Such seminars contribute to the development of informed and responsible scientists and researchers in the field of molecular genetics.

  
 Signature of the Class In charge

  
 Signature of the Department In charge