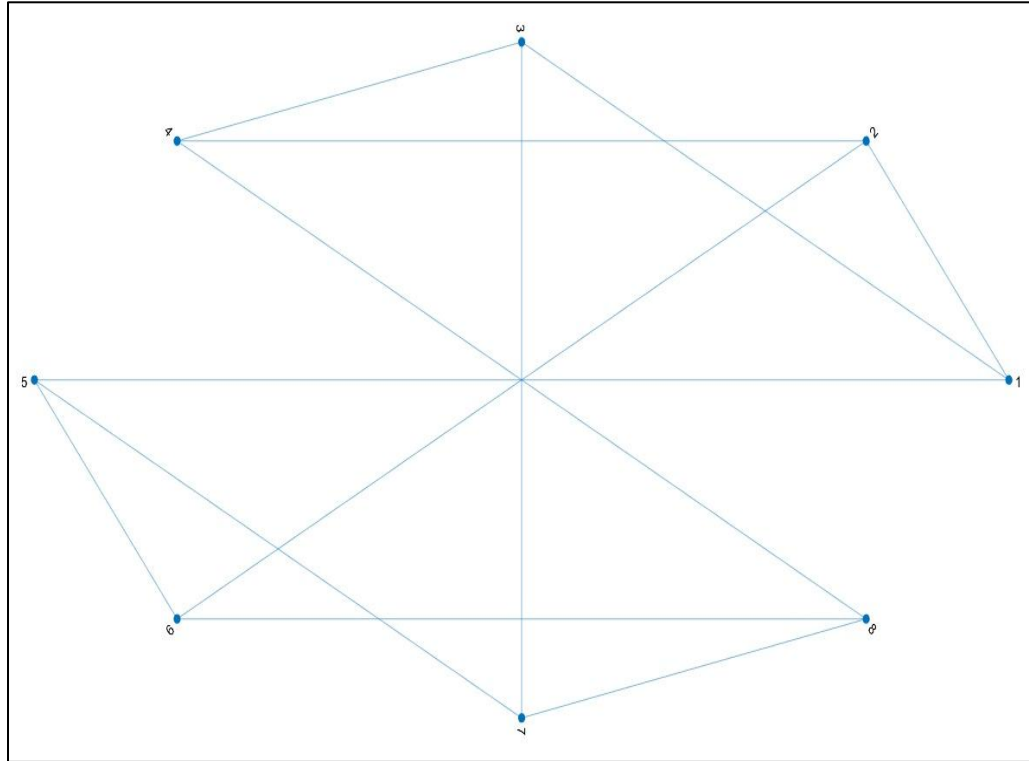


Hamming graph  $H_{3,2}$



Metric dimension - 3

BIGS Index - 32

This part of the research work is presented in the International Conference on Data Engineering and Communication Technology (ICDECT-2024) (Visit: <https://icdect.com/>)

Extracted Metric Bases using BIGS algorithm

1. {1, 2, 3}
2. {1, 2, 4}
3. {1, 2, 5}
4. {1, 2, 6}
5. {1, 3, 4}
6. {1, 3, 5}
7. {1, 3, 7}
8. {1, 4, 6}
9. {1, 4, 7}
10. {1, 5, 6}
11. {1, 5, 7}
12. {1, 6, 7}

13.  $\{2, 3, 4\}$
14.  $\{2, 3, 5\}$
15.  $\{2, 3, 8\}$
16.  $\{2, 4, 6\}$
17.  $\{2, 4, 8\}$
18.  $\{2, 5, 6\}$
19.  $\{2, 5, 8\}$
20.  $\{2, 6, 8\}$
21.  $\{3, 4, 7\}$
22.  $\{3, 4, 8\}$
23.  $\{3, 5, 7\}$
24.  $\{3, 5, 8\}$
25.  $\{3, 7, 8\}$
26.  $\{4, 6, 7\}$
27.  $\{4, 6, 8\}$
28.  $\{4, 7, 8\}$
29.  $\{5, 6, 7\}$
30.  $\{5, 6, 8\}$
31.  $\{5, 7, 8\}$
32.  $\{6, 7, 8\}$