



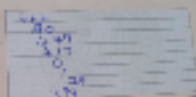
INDEPENDENT STUDENT PROJECT REPORT

PROJECT TITLE: ANALYSIS OF THE EFFECT OF TEMPERATURE ON THE STRENGTH OF CONCRETE

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 SECTION: CE

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Sl. No.	Temp. (°C)	Strength (MPa)	Remarks
1	20	30	Normal strength
2	40	28	Strength - 28
3	60	25	Strength - 25
4	80	22	Strength - 22
5	100	20	Strength - 20
6	120	18	Strength - 18
7	140	16	Strength - 16
8	160	14	Strength - 14
9	180	12	Strength - 12
10	200	10	Strength - 10

CONCLUSION: The strength of concrete decreases as the temperature increases. The rate of decrease is more rapid at higher temperatures.

RECOMMENDATION: The use of concrete at high temperatures should be avoided. If it is necessary, the concrete should be protected from high temperatures.

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