

SPOT SPEED STUDY	
DATE: 31/1/2024	LOCATION: NEAR NIT WARANGAL MAIN GATE
TIMING: 2:00 PM TO 4:00 PM	VEHICLE TYPE: BUS

**OBSERVATION**

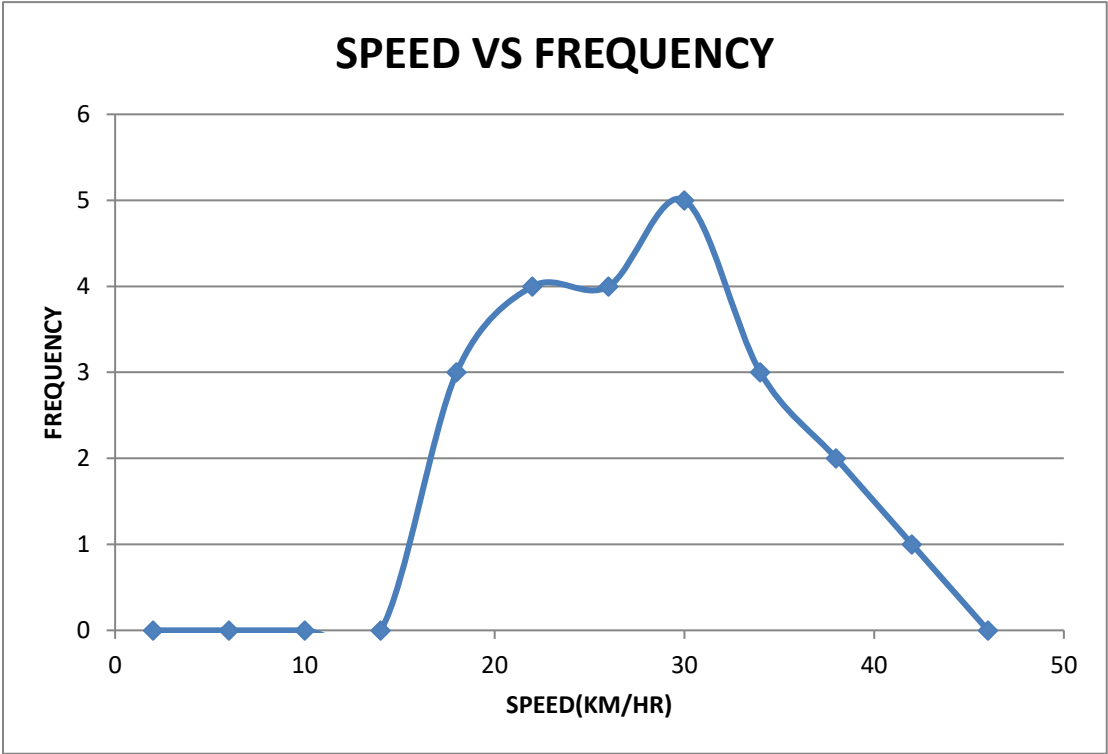
SPEED (km/h)			
28	24	41	20
19	25	34	29
19	29	38	27
35	32	24	24
28	35	29	
31	39	24	

MIN	MAX	MID	OBSERVED FREQUENCY	CUMULATIVE FREQUENCY	%CUMULATIVE FREQUENCY	NORMAL DISTRIBUTION	PROBABILITY DISTRIBUTION	EXPECTED FREQUENCY
0	4	2	0	0	0.00	0.00	0.00	0
4	8	6	0	0	0.00	0.00	0.00	0
8	12	10	0	0	0.00	0.00	0.00	0
12	16	14	0	0	0.00	0.00	0.02	0
16	20	18	3	3	13.64	0.01	0.06	1
20	24	22	4	7	31.82	0.04	0.14	3
24	28	26	4	11	50.00	0.06	0.23	5
28	32	30	5	16	72.73	0.06	0.25	5
32	36	34	3	19	86.36	0.05	0.18	4
36	40	38	2	21	95.45	0.02	0.09	2
40	44	42	1	22	100.00	0.01	0.03	1
44	48	46	0	22	100.00	0.00	0.01	0
						0.25	1.00	

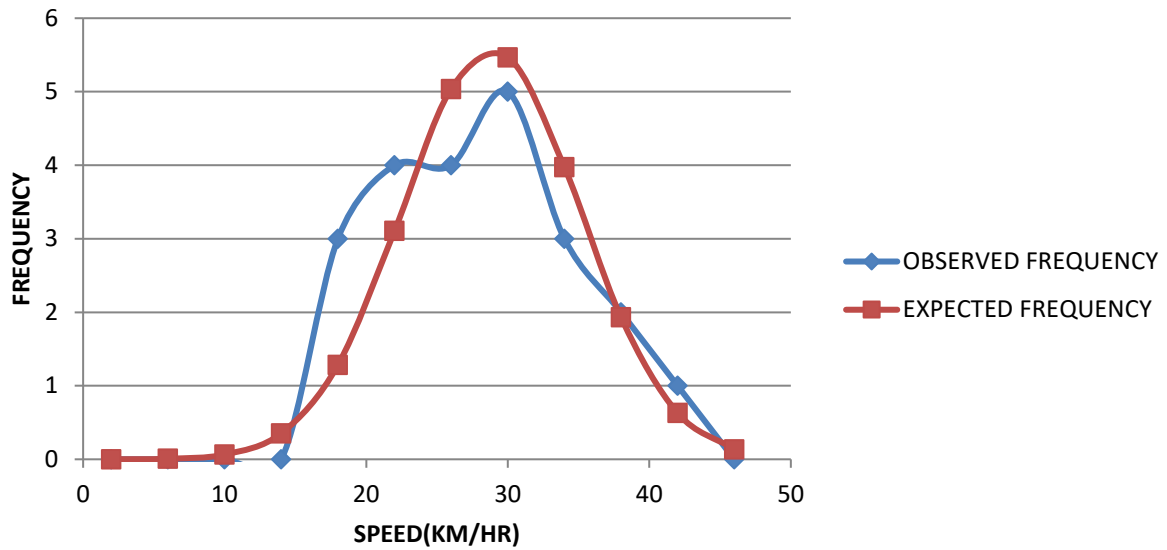
EXPECTED POOLED (E)	OBSERVED POOLED(O)	(O-E)^2/E
0	0	0.00
0	0	0.00
0	0	0.00
0	0	0.00
1	3	4.00
3	4	0.33
5	4	0.20
5	5	0.00
4	3	0.25
3	3	0.00
0	0	0.00
0	0	0.00
		4.78

DESCRIPTIVE STATISTICS	
COUNT	22
MEAN	28.81818
MIN	19
MAX	41
STANDARD DEVIATION	6.31428
RANGE	22
CLASS INTERVAL	4.133318
15TH PERCENTILE	24
50TH PERCENTILE	28.5
98TH PERCENTILE	40.16
85TH PERCENTILE	35

AT 5% LEVEL OF SIGNIFICANCE	
DEGREE OF FREEDOM	4-1-1=2
CRITICAL CHI	5.99



## SPOT SPEED DISTRIBUTION



## SPEED VS FREQUENCY

