



JAMAL MOHAMED COLLEGE (AUTONOMOUS)

(Affiliated to Bharathidasan University)

TIRUCHIRAPPALLI – 620 020

NAAC - SSR IV CYCLE

Criterion VII–Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.5 Green Campus Initiatives

No Vehicle Day Programme

Dates of the activity: 7-2-2020 to 9-2-2020

Report of the activity:

No Vehicle Day Programme was organised by our Jamal Mohamed ExNoRa students and Bishop Heber College students collaborated on 7th February to 9th February 2020. The No Vehicle Day initiative in the city comes on the heels of odd –even road rationing scheme implemented by the Government in early to reduce pollution level and traffic congestion. People should follow traffic rules and learn to park their vehicles properly to solve most of the traffic problems.

Evidence of the activity:





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Air Quality Monitoring Results:

DEPARTMENT OF ENVIRONMENTAL SCIENCES
BISHOP HEBER COLLEGE (AUTONOMOUS)
 (Nationally Reaccredited with 'A' Grade by NAAC with a CGPA of 3.58 on a 4)
 (Recognised as "College with Potential for Excellence" by UGC)
 (Affiliated to Bharathidasan University)
 Tiruchirappalli - 620 017, Tamilnadu

Prof. A. Alagappa Moses
Associate Professor and Head

Air Quality Monitoring Results
Jamal Mohammed College
Table:1 Air quality monitoring results

Date	No. of Vehicles entered	CO (mg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	AQI	Noise in dB (A)
							L _{eq}
07.02.2020	1432	1.14	0.02	0.01	83.35	83	59
08.02.2020	15	1.14	0.01	0.01	34.59	57	58
10.02.2020	1400	1.14	0.03	0.01	95.38	95	62

Table: 2 Proposed Breakpoints for AQI Scale 0-500

AQI Category (Range)	PM ₁₀ (µg/m ³) (24 hr)	NO ₂ (µg/m ³) (24 hr)	CO (mg/m ³) (8 hr)	SO ₂ (µg/m ³) (24 hr)
Good (0-50)	0-50	0-40	0-1.0	0-40
Satisfactory (51-100)	51-100	41-80	1.1-2.0	41-80
Moderately polluted (101-200)	101-250	81-180	2.1-10	81-380
Poor (201-300)	251-350	181-280	10-17	381-800
Very poor (301-400)	351-430	281-400	17-34	801-1600
Severe (400-500)	430+	400+	34+	1600+

1. The air quality parameters are within the standards both during normal days and during "No Vehicle day".
2. However PM₁₀ value was about 60% lower on "No Vehicle day".
3. Noise levels exceeded the standards on all days.

Dr. R. TENESON
 Assistant Professor
 Department of Environmental Sciences
 Bishop Heber College (Autonomous)
 Tiruchirappalli - 620 017, Tamil Nadu, India

Dr. C. RAVICHANDRAN
 Associate Professor & UG Head
 Department of Environmental Sciences
 Bishop Heber College
 Tiruchirappalli - 620017

Prof. A. ALAGAPPA MOSES
 Associate Professor & Head
 Department of Environmental Sciences
 BISHOP HEBER COLLEGE (Autonomous),
 Tiruchirappalli - 620 017.



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No Vehicle Day Programme

For circulation among all the Staff and Students

 **JAMAL MOHAMED COLLEGE (Autonomous)**
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Tiruchirappalli – 620 020

Centre For Extension Activities / Even Sem. / 2022-2023 / 06

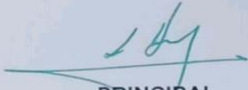
CIRCULAR (MEN & WOMEN)

All our members of the staff and students (both men & women) are informed that our college **Students' ExNoRA Club** has already planned to organize "NO Vehicle Day" on 19th January 2023. Now, it is postponed to 21st January 2023.

In this connection, all our members of the staff and students (both men & women) are informed not to come on their vehicle on that day. They are also requested to use Bicycle or public transport on that day to minimize the pollution.

Tiruchirappalli – 20
18.01.2023


COORDINATOR


PRINCIPAL



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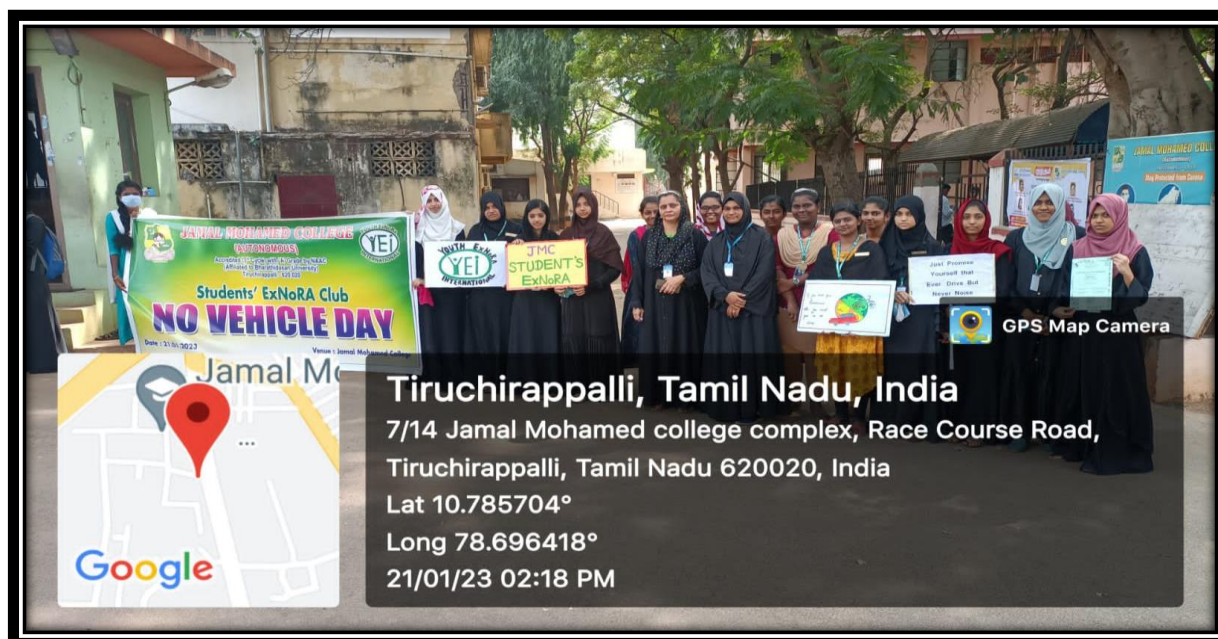
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Air Quality Monitoring Results:



Department of Environmental Sciences
Bishop Heber College (Autonomous)
Tiruchirappalli - 620 017

Prof. A. Alagappa Moses
 Associate Professor & Head
 Vice-Principal (Aided Section)

AIR QUALITY MONITORING RESULTS
Jamal Mohamed College, Tiruchirappalli

Table 1: Air Quality Monitoring Results

Date	NO. of Vehicles Entered	CO (mg/m ³)	NO ₂ (µg/m ³)	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	AQI	Noise in dB(A) Leq.
19.01.2023	1800	1.15	5.93	161.15	0.55	141	70.40
20.01.2023	1670	1.15	6.37	175.23	0.83	150	83.10
21.01.2023 No Drive Day	05	1.15	3.64	99.53	0.24	100	57.53

Table 2: Proposed Breakpoints for AQI Scale 0-500

AQI Category (Range)	PM ₁₀ (µg/m ³) (24 hr)	PM _{2.5} (µg/m ³) (24 hr)	NO ₂ (µg/m ³) (24 hr)	CO (mg/m ³) (8 hr)
Good (0-50)	0-50	0-30	0-40	0-1.0
Satisfactory (51-100)	51-100	31-60	41-80	1.1-20
Moderately polluted (101-200)	101-250	61-90	81-180	2.1-10
Poor (201-300)	251-350	91-120	181-280	17-34
Very poor (301- 400)	351-430	121-250	281-400	17-34
Severe (400-500)	430+	250+	400+	34+

Source: Central Pollution Control Board

Note:

- The air quality parameters CO, NO₂ and PM_{2.5} are well within the standards.
- PM₁₀ exceeded the standards on Normal Days and within the standards on "No Drive Day".
- Concentration of all pollutants reduced considerably on "No Drive Day".
- AQI (Air Quality Index) indicated "Moderately Polluted" during "Normal Days".
- AQI indicated "Satisfactory" on "No Drive Day".
- Noise levels exceeded the standards in all the days.


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 Phone : 0431- 2770136 / Fax : 0431- 2770293 / Mobile : +91 98424 90051/ Web : www.bhc.edu.in
 Email : aalagappamoses@gmail.com / aalagappamoses@bhc.edu.in