JAMIA MILLIA ISLAMIA
(A CENTRAL UNIVERSITY)

Questionnaire Data

Ul Green Metric World University Rankings

2023

Index

JAMIA MILLIA ISLAMIA

QUESTIONNAIRE DATA

Questionnaire Data

University Profile

Username	: jmi.ac.in
University Name	: Jamia Millia Islamia
University Leader	: Vice-Chancellor: Prof. Najma Akhtar

Submitted Date : (GMT +7)

PIC Profile

PIC Name	: Prof. Zubaida Ansari
PIC Position	: Director, IQAC
Email	: directoriqac@jmi.ac.in

Setting and Infrastructure

Question		Answer
1.1()	Type of higher education institution	[1] **Comprehensive**
1.2()	Climate	[6] **Humid Subtropical**
1.3()	Number of campus site	1
1.4()	Campus setting	[3] **Urban**
1.5()	Total campus area (m^2)	967360
1.6()	Total campus ground floor area of buildings (m^2)	115585
1.7()	Total campus buildings area (m^2)	326880
1.8(SI.1)	The ratio of open space to total area.	[3] **> 80 - 90%**
1.9(SI.2)	Total area on campus covered in forest vegetation (please provide total area in square meters)	[5] **> 35%**: **967360 m^2**
1.10(SI.3)	Total area on campus covered in planted vegetation (please provide total area in square meters)	[5] **> 40%**: **647497 m^2**
1.11(SI.4)	Total area on campus for water absorption besided forest and planted vegetation (please provide total area in square meters)	[5] **> 30%**: **628785 m^2**
1.12()	Total number of regular students (part time and full time)	16876
1.13()	Total number of online students (part time and full time)	2931
1.14()	Total number of academic and administrative staff	2431
1.15(SI.5)	The total open space area divided by total campus population.	[5] **> 70 m^2 / person**
1.16()	Total university's budget (in US Dollars)	69601437
1.17()	University's budget for sustainability effort (in US Dollars)	28174661
1.18(SI.6)	Percentage of University's budget for sustainability effort	[5] **> 15%**
1.19(SI.7)	Percentage of operation and maintenance activities of building in one year period	[2] **> 25 - 50%**
1.20(SI.8)	Campus facilities for disable and maternity care	[5] **Facilities exist in all buildings and are fully operated**
1.21(SI.9)	Security and safety faciles	[5] **Security infrastructure is available and fully functions and security responding time for accidents, crime, fire, and natural disasters is less than 10**

2

		minutes
1.22(SI.10)	Health infrastructure facilities for students and academic and administrative staff wellbeing	[5] **Health infrastructure available (first aid, emergency room, clinic,hospital and certified personel), system and accessible for public**
1.23(SI.11)	Conservation: plant (flora), animal (fauna), and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	[5] **Conservation program fully implemented**

Energy and Climate Change

Question		Answer
2.1(EC.1)	Energy efficient appliances usage	[5] **> 75%**
2.2()	Total campus smart building area (m^2)	248713
2.3(EC.2)	Smart Building implementation (percentage of the total floor area of smart building to the total all floors building area (smart and non-smart buildings area).	[5] **> 75%**
2.4(EC.3)	Number of renewable energy sources in campus (solar power, bio diesel, wind power, etc)	[2] **1 source**
2.5()	Renewable energy sources and their amount of the energy produced (in kilowatt-hour)	[4] **Solar Power**: **2763626 kWh**
2.6()	Electricity usage per year (in kilo watt hour)	7590888
2.7(EC.4)	The total electricity usage divided by total campus population (kWh per person).	[1] **>=2424 kWh**
2.8(EC.5)	The ratio of renewable energy production divided by total energy usage per year	[5] **> 25%**
2.9(EC.6)	Elements of green building implementation as reflected in all construction and renovation policies	[4] **3 elements**
2.10(EC.7)	Greenhouse gas emission reduction program	[5] **Program(s) aims to reduce all three scopes emissions (Scope 1, 2 and 3)**
2.11()	Please provide the total carbon footprint (CO_2 emission in the last 12 months, in metric tons)	6448
2.12(EC.8)	The total carbon footprint divided by total campus population (metric tons per person).	[4] **> 0.10 - 0.42 metric ton**
2.13(EC.9)	The number of innovative program(s) in Energy and Climate Change	[5] **More than 3 programs**
2.14(EC.10)	Impactful university program(s) on climate change	[5] **Provide training and educational materials for surrounding communities, at national level, and at regional and international level**

Waste

Question		Answer
3.1(WS.1)	3R (Reduce, Reuse, Recycle) program for university's waste	[5] **Extensive (> 75% waste)**
3.2(WS.2)	Program to reduce the use of paper and plastic on campus	[4] **3 programs**
3.3()	Total volume organic waste produced (ton)	9
3.4()	Total volume organic waste treated (tons)	9
3.5(WS.3)	Organic waste treatment	[5] **Extensive (> 75% treated)**
3.6()	Total volume inorganic waste produced	57

3

		(tons)	
3.7()	Total volume inorganic waste treated (tons)	57	
3.8(WS.4)	Inorganic waste treatment	[5] **Extensive (> 75% treated)**	
3.9()	Total volume toxic waste produced (tons)	1.0551	
3.10()	Total volume toxic waste treated (tons)	1.0551	
3.11(WS.5)	Toxic waste treatment	[4] **Partial (> 50% - 75% of treated)**	
3.12(WS.6)	Sewage disposal	[2] **Treated with preliminary treatment***	

Water

Question		Answer	
4.1(WR.1)	Water conservation program and implementation	[5] **> 50% water conserved**	
4.2(WR.2)	Water recycling program implementation	[3] **1 - 25% Implemented at early stage (e.g. measurement of waste water)**	
4.3(WR.3)	Water efficient appliance usage	[5] **> 50% of water efficient appliances installed**	
4.4(WR.4)	Treated water consumed	[2] **1% - 25% treated water consumed**	
4.5(WR.5)	Water pollution control in campus area	[5] **Policy and programs for water pollution control are fully implemented and monitored regularly**	

Transportation

Question		Answer	
5.1()	Number of cars actively used and managed by University	25	
5.2()	Number of cars entering the university daily	386	
5.3()	Number of motorcycles entering the university daily	1486	
5.4(TR.1)	The total number of vehicles (cars and motorcycles) divided by total campus population.	[4] **> 0.045 - 0.125**	
5.5(TR.2)	Shuttle service	[4] **Shuttle service is provided by university, regular, and free**	
5.6()	Number of shuttles operated in your university	17	
5.7()	Average number of passengers of each shuttle	4	
5.8()	Total trips of shuttle services each day	65	
5.9(TR.3)	Zero Emission Vehicles (ZEV) policy on campus	[3] **Zero Emission Vehicles are available, but not provided by university**	
5.10()	Average number of Zero Emission Vehicles (e.g. bicycles, cano, snowboard, electric car, etc.) on campus per day	560	
5.11(TR.4)	The total number of Zero Emission Vehicles (ZEV) divided by total campus population.	[5] **> 0.02**	
5.12()	Total ground parking area (m^2)	64483	
5.13(TR.5)	Ratio of parking area to total campus area. Formula: ((5.12/1.5) x 100%)	[3] **> 4 - 7%**	
5.14(TR.6)	Transportation program designed to limit or decrease the parking area on campus for the last 3 years (from 2020 to 2022)	[5] **Program resulting in more than 30% decrease in parking area or parking area reduction has reaches its limit.**	
5.15(TR.7)	Number of transportation initiatives to decrease private vehicles on campus (e.g. car sharing, charging high parking fees, metro / tram / bus services and etc)	[4] **3 initiatives**	

4

5.16(TR.8)	Pedestrian path on campus	[5] **Pedestrian paths are available, designed for safety, convenience, and in some parts provided with disabled-friendly features**
5.17()	Approximate daily travel distance of a vehicle inside campus only (in Kilometers)	1

Education and Researc		
Question		Answer
6.1()	Number of courses/subjects related to sustainability offered	259
6.2()	Total number of courses/subjects offered	270
6.3(ED.1)	The ratio of sustainability courses to total courses/subjects	[5] **> 20%**
6.4()	Total research funds dedicated to sustainability research (in US Dollars) (average per annum over the last 3 years).	763863
6.5()	Total research funds (in US Dollars) (average per annum over the last 3 years).	1848713
6.6(ED.2)	The ratio of sustainability research funding to total research funding	[5] **> 40%**
6.7(ED.3)	Number of scholarly publications on sustainability published. (average annualy for the past 3 years)	[5] **> 300**
6.8(ED.4)	Number of events related to sustainability. (average annualy for the past 3 years)	[5] **> 47**
6.9(ED5)	Number of activities organized by student organizations related to sustainability per year	[5] **> 10**
6.10(ED.6)	University-run sustainability website	[5] **Website is available, accessible, and updated regularly**
6.11()	Sustainability website address (URL) if available	https://jmi.ac.in/ADMINISTRATION/IQAC/Policies/Climate-Action
6.12(ED.7)	Sustainability report	[5] **Sustainability report is published annually**
6.13()	Sustainability report link address (URL) if available	https://www.jmi.ac.in/BULLETIN-BOARD/Events/Latest-Events
6.14(ED.8)	Number of cultural activities on campus	[5] **More than 3 events per year**
6.15(ED9)	Number of university program(s) with international collaborations	[5] **More than 3 Programs**
6.16(ED.10)	Number of sustainablity community services project organised and/or involving students	[5] **More than 3 Projects**
6.17(ED.11)	Number of sustainability-related startups	[5] **> 15 startups**

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CRITERIA-I

SETTING AND INFRASTRUCTURE

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[1] Setting and Infrastructure (SI)

[1.3] Number of Campus Sites

	Faculty of Social Sciences Jamia Millia Islamia (Gulistan-e-Ghalib)
	Administrative Block Jamia Milli Islamia
	Faculty of Humanities & Languages (Mohibul Hasan House)

Description:

Jamia Millia Islamia was born in 1920 in response to the call given by Father of the Nation, Mahatma Gandhi to boycott colonial regime and its institutions. The contributions of its founding fathers and teachers in the freedom struggle are well recorded. Jamia continues to fulfill the vision of serving the nation as encapsulated in its vision "Strive to foster the goals of building a secular and modern system of integrated education for sustainable development of society and better future for all". Jamia holds the torch of illumination, striving for excellence in teaching, research and development, fostering innovation and playing a key role in nation building. Several of Jamia's notable alumni, who have made a mark for themselves in various fields, bear testimony to this pursuit for excellence.

Jamia was declared a Central University in 1988. It continues to offer progressive education and instill nationalist ideals following its 100-year old philosophy of philanthropy, humanitarianism and social consciousness. Famous as Ustadon ka Madrassa in its early years, today Jamia has become an ensemble of a multilayered educational system covering all aspects of education from primary to doctorate studies. Jamia is one of the fastest growing University with 9 faculties, 39 departments, 29 centres of teaching-learning and research. Jamia attracts brightest minds from across the country and abroad. It has about 21,000 students. Over 270 programmes offered by university are approved by Academic Council and Executive Council, out of which 201 programmes are considered for NAAC. B.Tech. programmes are NBA accredited. Jamia is the only institution having collaborations with all the wings of Defence Services (IAF, NAVY, Army, Coast Guard) for academic mobility of their personnel.

Jamia is ranked 6th amongst universities in NIRF ranking. Faculty of Law and Architecture are amongst top ten; Engineering occupies 33th rank; Management is at 36th rank. In NIRF ranking. Times Higher Education has ranked Jamia at 601-800, QS at 751-800 and RUR at 438 in World university Ranking. Centre for Culture, Media and Governance is granted CPEPA by UGC and AJK-MCRC is ranked amongst the top media institutions. The university has h-Index of 129 (SCOPUS).

Jamia is located in the vicinity of dense green belts. The Horticulture Department of the University takes care of landscaping and maintaining large green spaces on campus. The University has a rich collection of flora with large trees lining across campus roads. A flower show is organised annually by Horticulture Centre to showcase commitment towards green practices. Tree plantation drives are regularly conducted, which contribute to a continual increase in green cover.

Jamia has initiated several measures towards environmental protection and to foster a sense of environmental care. A few initiatives implemented on campus during the assessment period include Bio-Waste management, Use of Solar Energy, Rain Water Harvesting, and developing greenery across the Campus.

University campus is spread over an area of 239 acres with a split campus. While increasing the programs or student's intake, calculated decisions are made considering the available space, infra-structure, class rooms, faculty strength, research aboratories etc. There are committees at every department/centre as well as at university level for space related matters. Certain areas are marked/identified to construct new hostels, facilities for students, teachers and staff which is a crucial requirement of the University. This has enabled us to optimize utilization of available space in a well-planned manner to ensure availability of open green spaces in the university.

The class rooms/laboratories/seminar halls and meeting rooms of Departments/ Centres are sufficient in numbers and are well equipped as per statutory guidelines. Audio-visual systems with LCD projectors are available in classrooms/seminar halls/laboratories. Besides use of white board in teaching some departments/centres have smart boards. Teachers/staff and students can use Wi-Fi internet across the campus through cyber roam access. This facilitates dynamic teaching-learning environment, enabling access to videos and other online resources, e-books, MOOCs, online courses, online journals and edatabases which are subscribed. Besides seminar halls in Departments/Centres, Jamia has a 500 and a 300 seated auditorium, and

several lower seating capacity conference halls, that can be used by any Faculty/Department/Centre for organizing seminars, lectures, symposia, conferences, workshops, film shows, drama/club activities.

University Central Library has excellent centralized library resources, Digital resource centre, reading hall and computer centre. Subject-specific libraries with specialized books, volumes/periodicals and other essential resources are available for students at several Faculty/Departments/Centres. Besides dedicated computer lab/facility at each department/ centre, common central computer facility is available at Centre for Information Technology for students.

Department/Centre offering Science and Engineering programs have well equipped teaching and research laboratories which are regularly upgraded to allow for individual-centric, performance-based learning, with self-experimentation by students. There are functional departmental Instrumentation Facility (DIF) at almost all science and engineering departments and several other departments. The University provides additional funds to the Departments for up-gradation, maintenance and repairs of teaching/research/office facilities based on request/requirement.

In addition, University has established a Central Instrumentation Facility, equipped with advanced sophisticated instruments for research, which are also effectively used to provide PG/UG students with exposure to high-end instrumentation and allows them to conduct some of their practical. It is made accessible to researcher/students from outside the university as well.

The ground within its periphery now consists of Centrally Air-Conditioned Indoor Games Stadium along with Viewers Gallery which meets International standards.

The sports complex incorporates the following facilities:
- Cricket Ground
- Cricket Net Practice Wickets
- Football Ground
- Lawn Tennis Court
- Volleyball Court
- Badminton Court
- Basketball Court
- Table Tennis Court
- Fitness Centre (separate fitness rooms are available in girls hostels)
- Snooker Room
- Waiting Lounge
- Conference Room
- Games & Sports Equipment Store
- Jogging Track
- Hockey ground (Situated at the Faculty of Education)

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[1] Setting and Infrastructure (SI)

[1.4] Campus Setting

Ramanujan Block, Faculty of Natural Sciences, Jamia Millia Islamia

Department of Physics, Jamia Milli Islamia

Campus View, Jamia Millia Islamia

Description:

Jamia Millia Islamia has managed to increase its groundwater table by over a metre through rainwater harvesting because the university continued to replenish its groundwater with 17 injection wells and open wells spread over the campus. Jamia has taken further step to expand rainwater harvesting so that the salinity of groundwater in certain parts of the campus is diluted to make it fit for regular use. (Time of India; 26 June 2019).

Integrated Energy Policy of the government lays a roadmap to ensure Energy Availability, Equity, Access, and Affordability and Security of the nation. Exploitation of renewable energy resources and increase in the share of clean power are priority areas to achieve per-capita energy consumption at par with the global average by 2050, through a sustainable and diverse fuel-mix and indigenous development of new and renewable energy technologies, products & services. Jamia has taken a lead in deploying rooftop solar powered systems for water heating in hostels and electricity generation for reducing dependence on conventional power supply. The power requirement of the University is about 11 MW, out of which about 2.5MW is being met from solar generated power. The Electrical Engineering department of the University has also set up an Advance Power Electronics Research Lab, where research and capacity building efforts for harnessing solar power and developing prototype equipment like solar powered inverter, have been initiated. The University plans to augment existing solar generation, with a vision to meet entire power requirement from clean source of energy and to create necessary infrastructure for capacity building, research and development of innovative products to help realize the laid-down Vision of the government.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[1] Setting and Infrastructure (SI)

[1.5] Total Campus Area (meter²)
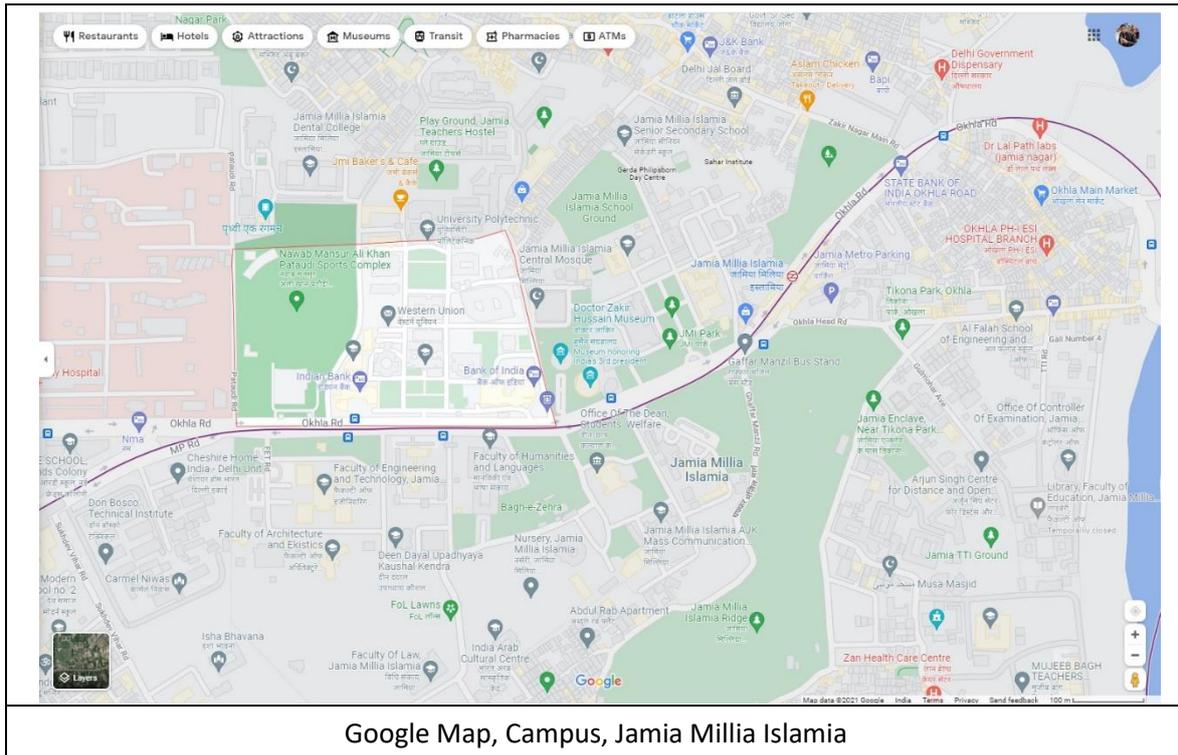
Google Map, Campus, Jamia Millia Islamia

Description:

Total area: = 967360.559 m²

University   :   Jamia Millia islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[1] [Setting & Infrastructure]

[1.7] Total campus buildings area

Campus-A	Campus-B
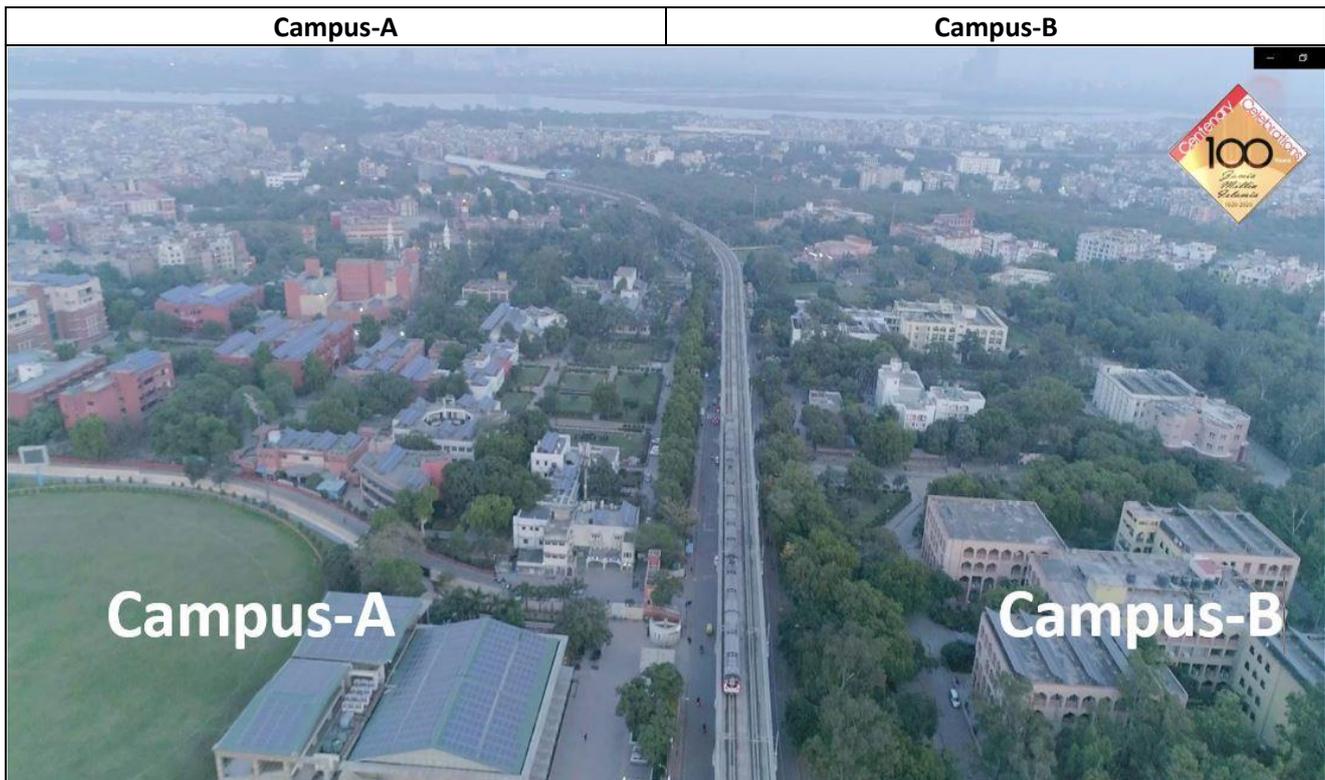
Description:

Building name	Total Area
ENGG. WORKSHOP	1350
MECHANICAL WORKSHOP	1537.95
A.K. HAMEED CENTRE	1209.93
FACULTY OF ENGG. & TECHNOLOGY	14339.36
DEAN OFFICE (FACULTY OF ENGG. & TECH)	540
CANTEEN FOR FACULTY OF ENGG. & TECH	482.95
FACULTY OF ENGINEERING WORKSHOP	5184.08
ARCHITECTURE DEPARTMENT	4263.46
CENTRE FOR MANAGEMENT STUDIES / LAW FACULTY	6326.84
I.A.S. ACADEMY (COACHING CENTRE FOR	1322.04
ACADEMY OF THIR WORLD STUDIES	3361.69
HALL	145
INDO ARAB CULTURAL CENTRE	2583.96
CENTRE FOR PHYSIOTHERAPY - I	1149.43
CENTRE FOR PHYSIOTHERAPY - II	2464.21
COMMON ROOM (S.R.K)	102.59

OLD S.R.K. BLDG	3511.69
FACULTY OF HUMANITY & LANGUAGES	2668.68
DEPTT. OF HISTORY, GEOGRAPHY & TOURISM (MOHIBUL HASSAN HOUSE)	4418.66
URDU DEPARTMENT	4418.66
DEPTT. OF ENGLISH	549.87
CENTRE FOR I.T.	2066
M.F. HUSSAIN ART GALLERY	518.77
CASTROB CAFE (COLLEGE CANTEEN)	249.16
SERWAR MANZIL CLASSROOM	690.7
SERWAR MANZIL (M.C.R.C.)	180.92
A.J. KIDWAI M.C.R.C.	4586
A.J. KIDWAI M.C.R.C (NEW BLK)	1113
STUDIO (M.C.R.C.)	609.45
DAYAR-E-MIR CONFERENCE HALL	668.81
ADMIN BLOCK (KHAYABLE AJMAL)	2832.89
JAMUNALAL BAJAJ HOUSE (OFFICE)	2729.51
BASIC SCIENCES	12075
OFFICERS HOUSE (NELSON MANDELA HOUSE)	1467.53
SPANISH CENTRE	644.75
DEAN OFFICE (FACULTY OF EDUCATION)	1176
ARJUN SINGH CENTRE FOR DISTANCE & LEARNING	1581.32
DABISTAN ABDUL MAZEED KHAWAJAS ACADEMIC STAFF COLLEGE	1081.41
NEW EXAMINATION BUILDING	2636.31
SAEED ANSARI BLOCK (T.T.I.)	2957.337
I.A.S.E. BUILDING	960.48
TTI (S.R.C.) BUILDING	960.48
TTI FACULTY OF EDUCATION	670
NOAM CHOMSKY COMPLEX (NEHRU CENTRE)	3207.72
Admin/Residential Block	149856.5 m2
Total	**326880.0m2**

Jamia Millia Islamia is having distributed campus namely Campus-A and Campus-B which are our academic activities blocks. Apart from these two campuses, there is also administrative block and residential blocks separately.

University	:	Jamia Millia Islamia
Country	:	India
Web Address	:	https://www.jmi.ac.in/

[1] Setting & Infrastructure

[1.8] The ratio of open space area to total area

Google Map Layout, Jamia Millia Islamia

Description:

Ratio of open space towards total area: 88%

Total campus area-Total campus ground floor area of buildings/Total campus area*100%

967360.559-115585/967360.559*100 = 88%

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[1] Setting and Infrastructure (SI)

[1.9] Total Area on Campus Covered in Forest Vegetation (meter^2)
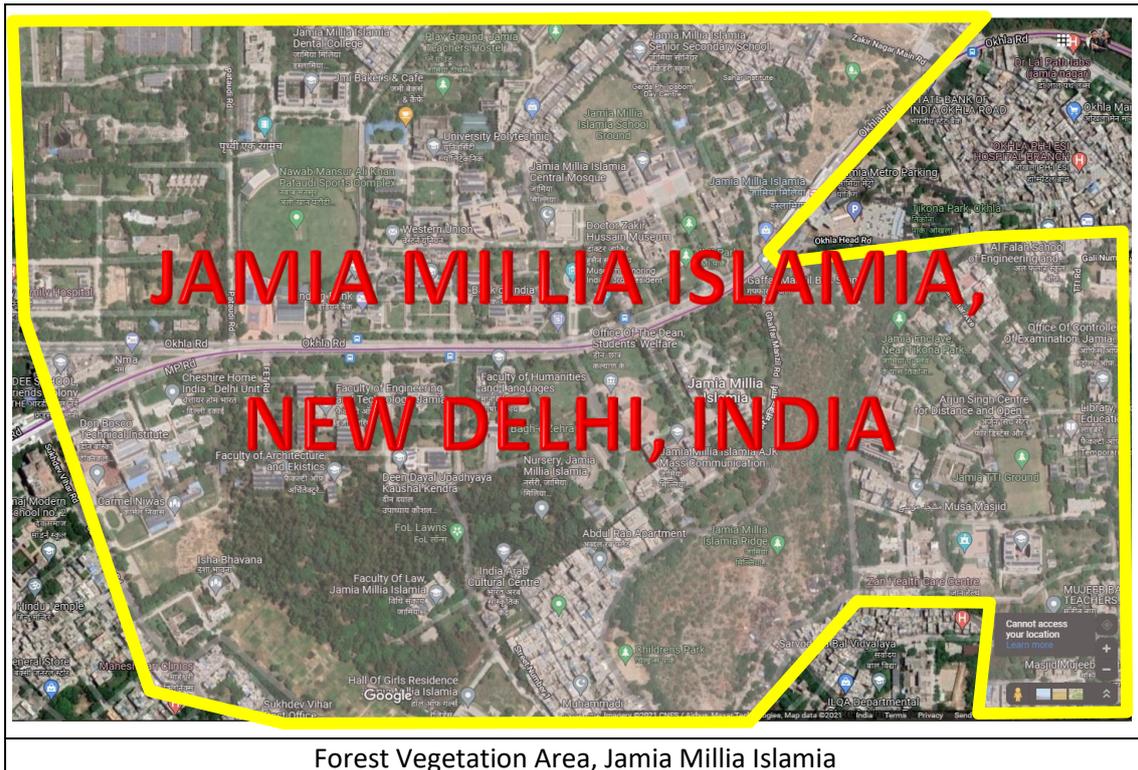
Forest Vegetation Area, Jamia Millia Islamia

Description:

Total area: 967360.559 m^2

University : Jamia Millia Islamia
Country : India
Web Address : https://www.jmi.ac.in/

[1] Setting and Infrastructure (SI)

[1.10] Total area on campus covered in planted vegetation (meter^2)

Gate No. 07 Jamia Millia Islamia

Gate No. 08 Jamia Milli Islamia

Rear Side of Administrative Block, Jamia Millia Islamia

Faculty of Social Science, Jamia Millia Islamia

Planted Vegetation Area, AJK-MCRC, Jamia Milli Islamia	Herbal Garden Jamia Millia Islamia

Herbal Gardens, Jamia Millia Islamia

Description:

Total planted vegetation area: 647497m^2
Total Area: 967360.559 m^2
Percentage area: 66.93%

University   :   Jamia Millia Islamia
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Web Address   :   https://www.jmi.ac.in/

[1] Setting and Infrastructure (SI)
[1.11] Total area on campus for water absorption besides the forest and planted vegetation (meter²)

Administrative Block	Nehru House

MAK Pataudi Sports Complex	

Total area on campus for water absorption besides the forest and planted vegetation
Jamia Millia Islamia

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University Library

Description:

Total **water absorption** area: 628785 m^2
Total Area: 967360.559 m^2
Percentage area: 40.6 %

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[1] Setting and Infrastructure (SI)

[1.17] University budget for sustainability effort (in US Dollars)

	2020	2021	2022	Average
Budget Total	$ 67534156.00	$ 70765118.00	$ 70505038.00	$ 69601437.00
Sustainability Budget	$ 27337826.34	$ 28645719.76	$ 28540439.38	$ 28174661.69
			Percentage	40.48 %

Description:

The average percentage university budget for our university is 40.48%

University   :   Jamia Millia Islamia
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[1] Setting and Infrastructure (SI)

[1.19] Percentage of operation and maintenance activities of building in one year period

| Operational readiness of Lab | Maintenance at Sports Complex |

operation and maintenance activities during the year, Jamia Millia Islamia

Description:

1	Total campus buildings area	326880 m²
2	Total operated building	101332.8m²
	Percentage building that operated and maintained	31%

University   :   Jamia Millia Islamia
Country   :   India
Web Address :   https://www.jmi.ac.in/

[1] Setting and Infrastructure (SI)

[1.20] Campus facliities for disable, special needs and or maternity care

1. Library Facility for visually Challenged	2. Accessible toilet, Jamia Milli Islamia
3. Library Access facility for Physically Challenged	4. Ramp access

Latitude: 28.559998
Longitude: 77.289092
Elevation: 203.94m
Accuracy: 2.0m
Time: 01-20-2020 12:21
Note: Department Of Techer Training & Non-Formal Education Ramp

5. Building Accessbility, TTI, Jamia Millia Islamia

Latitude: 28.564423
Longitude: 77.27872
Elevation: 204.9m
Accuracy: 2.0m
Time: 01-18-2020 13:59
Note: Dr. M.A. Ansari Health Centre

6. Ansari Health Centre for Health Facility, Jamia Millia Islamia

Description:

1. Library Facility for visually Challenged
2. Accessible toilet for disabled people
3. Library Access facility for Physically Challenged
4. Ramp access
5. Building Accessbility, TTI, Jamia Millia Islamia
6. Ansari Health Centre for Health Facility, Jamia Millia Islamia

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[1] Setting and Infrastructure (SI)

[1.21] Security and safety facilites

Security and safety facilites, Jamia Millia islamia

Description:
Jamia Millia Islamia is having security and safety facilities which is governed by central office. The security guards are posted at each entry/exit gates of the University as well as at various academic blocks. All the building JMI are fully equipped with the safety arrangements such as fire protection and alarm systems. More than 500 hundred CCTVs are installed in the campus for overall security.

University   :   Jamia Millia Islamia
Country   :   India
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[1] Setting and Infrastructure (SI)

[1.22] Health infrastructure facilities for students, academics and administrative staffs' wellbeing

Latitude: 28.564423
Longitude: 77.27872
Elevation: 204.9m
Accuracy: 2.0m
Time: 01-18-2020 13:59
Note: Dr. M.A. Ansari Health Centre

1.   Ansari Health Centre for Health Facility for Staff and Students, Jamia Millia Islamia

2.   GYM Facility for Staff and Students, JMI

3.   Mobile Dental Van for Staff, Students and Outreach activity

4.   Physiotherapy Centre for Staff and Students

5.   Dental care for Staff and Students Faculty of Dentistry, JMI

Description:

1. Ansari Health Centre for Health Facility for Staff and Students, Jamia Millia Islamia
2. GYM Facility for Staff and Students, Jamia Millia Islamia
3. Mobile Dental Van for Staff, Students and Outreach activity
4. Physiotherapy Centre for Staff and Students
5. Dental care for Staff and Students Faculty of Dentistry, JMI

University   :   Jamia Millia Islamia
Country   :   India
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[1] Setting and Infrastructure (SI)

[1.23] Conservation: plant, animal, and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities

Green House, Jamia Millia Islamia	MCRC, Jamia Millia Islamia
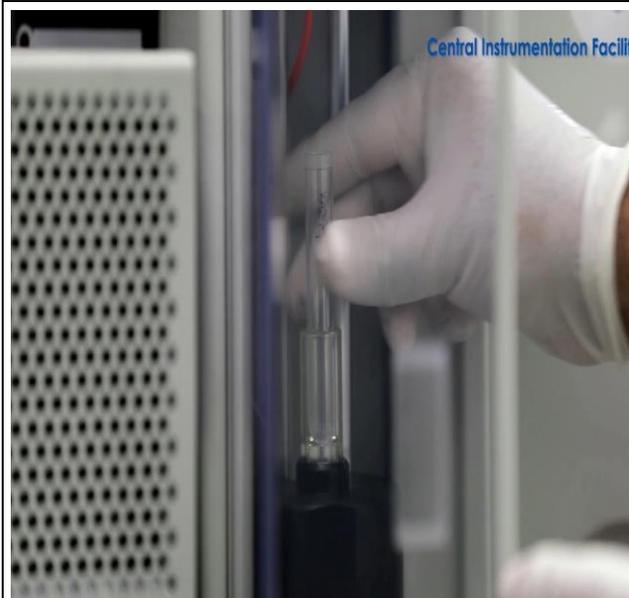
Food grain sample testing CIF, Facility, Jamia Millia Islamia	Horticulture, Jamia Millia islamia

Herbal Garden, Jamia Millia Islamia
Wild life diversity, MCRC Campus, Jamia Millia Islamia
Flora of Jamia
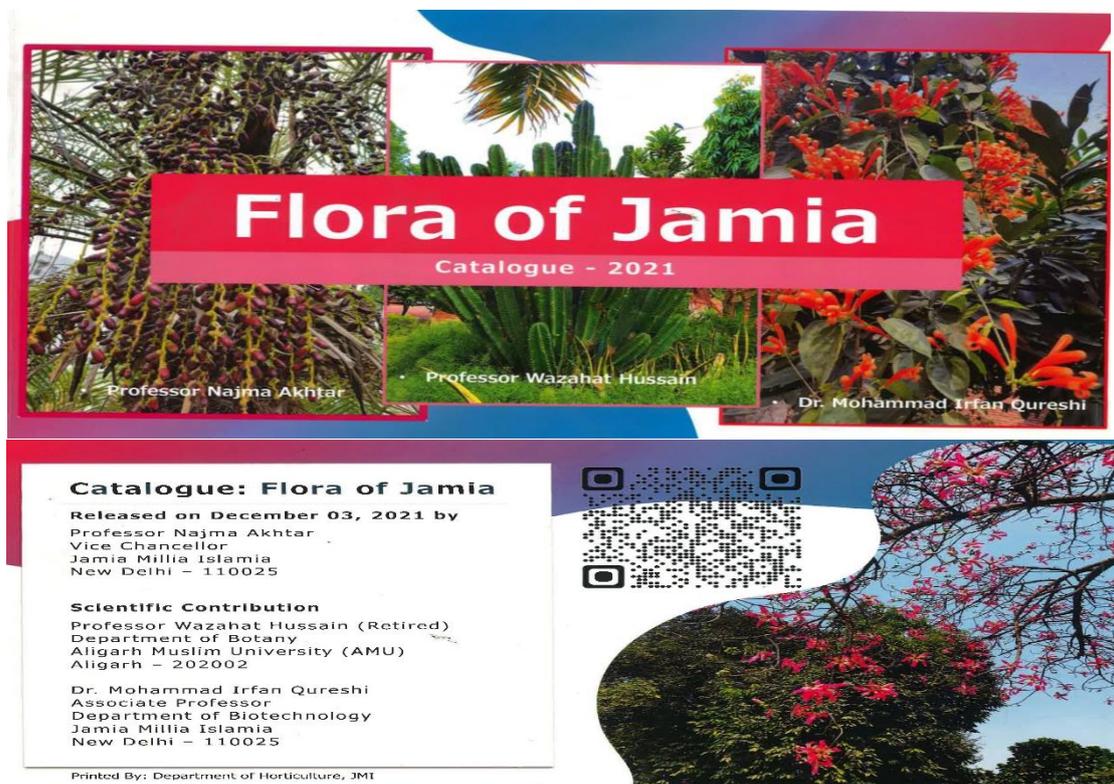
Description:

Jamia Millia Islamia is carrying a lot of work in the area of Conservation of plant, animal, genetic resources for food and agriculture secured in either medium or long-term conservation facilities. The department of biotechnology is doing projects for the genetic conservation of crops and food.

- Green house for planting vegetables for campus and campus residents
- Herbal garden, Teacher Hostel Campus, Jamia Millia Islamia.
- Molecular lab, genome research lab are available in Jamia Millia Islamia
- Advanced central instrumentation facility available for research purpose which caters nation wise sample analysis.
- Flora Book (Catalogue) available for research and knowledge purpose in all the departments/centers and offices of the University.

CRITERIA-II

ENERGY AND CLIMATE CHANGE

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[2] Energy and Climate Change (EC)

[2.1] Energy Efficient Appliances Usage

LED Lights/Panel in different building at Jamia Millia Islamia

Solar Panel array in different buildings at Jamia Millia Islamia

Solar water Plant in different buildings of Jamia Millia Islamia

Description:

Solar water heater is installed on the roof of all the hostels, dormitories, and guest houses fulfilling the hot water requirement.

Jamia Millia Islamia is using energy efficient appliances in its campus. Energy efficient LED lamps, fans and other appliances which runs on solar energy.

Appliance	Total Number	Total number energy Efficient appliances	Percentage
LED Lamp	10400	7384	71%
Fan	10500	8925	85%
Water Heater	135	108	80%
		Average Percentage	**78.66%**

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

University : Jamia Millia Islamia
Country : India
Web Address : https://www.jmi.ac.in/

[2] Energy and Climate Change (EC)

[2.3] Smart Building Implementation

S. No.	Name of Building	Place	automation		safety				energy		water		Indoor environment				lighting				Building Area (m²)
			B1	B2	S1	S2	S3	S4	E1	E2	A1	A2	I1	I2	I3	I4	L1	L2	L3	L4	
1	KING ABDULLA - BIN - AZIZ MEDICAL CENTRE	New Delhi, India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	3815.10
2	FACULTY OF DENTISTRY	New Delhi, India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	11293
3	FACULTY OF NEW NATURAL SCIENCE	New Delhi, India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	4105.84
4	UNIVERSITY POLYTECHNIC	New Delhi, India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	3232.15
5	NEW CENTRAL LIBRARY	New Delhi, India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	8566.56
6	DEPTT. OF BIO SCIENCE	New Delhi, India	X	---	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	2043.44
7	D.R. ZAKIR HUSSAIN LIBRARY	New Delhi, India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	4400
8	NELSON MANDELA CENTRE FOR PEACE AND	New Delhi, India	X	---	X	X	X	X	X	X	---	X	---	X	X	X	X	---	---	---	809.99
9	PROCTOR OFFICE	New Delhi, India	X	---	X	X	X	X	X	X	---	X	---	X	X	X	X	---	---	---	360
10	FACULTY OF ART (NEW BUILDING)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	---	X	X	X	X	---	---	---	420.97
11	OFFICE BUILDING & CONSTRUCTION DEPTT. & STORE	New Delhi, India	X	---	X	X	X	X	X	X	---	X	---	X	X	X	X	---	---	---	552
12	NANO TECH LAB.	New Delhi, India	X	---	X	X	X	X	X	X	---	X	---	X	X	X	X	---	---	---	159.9
13	FACULTY OF ENGG. & TECHNOLOGY	New Delhi, India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	14339.36
14	DEAN OFFICE (FACULTY OF ENGG. & TECH)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	---	X	X	X	X	---	---	---	540
15	CANTEEN FOR FACULTY OF ENGG. & TECH	New Delhi, India	X	X	X	X	X	X	X	X	---	X	---	X	X	X	X	---	---	---	482.95
16	ARCHITECTURE DEPARTMENT	New Delhi	X	X	X	X	X	X	X	X	---	X	---	X	X	X	X	---	---	---	4263.46

		, India																			
17	CENTRE FOR MANAGEMENT STUDIES / LAW FACULTY	New Delhi , India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	6326.84
18	I.A.S. ACADEMY (COACHING CENTRE FOR	New Delhi , India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	1322.04
19	ACADEMY OF THIR WORLD STUDIES	New Delhi , India	X	---	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	3361.69
20	INDO ARAB CULTURAL CENTRE	New Delhi , India	X	---	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	2583.96
21	CENTRE FOR PHYSIOTHERAPY - I	New Delhi , India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	1149.43
22	CENTRE FOR PHYSIOTHERAPY - II	New Delhi , India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	2464.21
23	M.F. HUSSAIN ART GALLERY	New Delhi , India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	518.77
24	DAYAR-E-MIR CONFERENCE HALL	New Delhi , India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	668.81
25	ADMIN BLOCK (KHAYABLE AJMAL)	New Delhi , India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	2832.89
26	JAMUNALAL BAJAJ HOUSE (OFFICE)	New Delhi , India	X	---	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	2729.51
27	BASIC SCIENCES	New Delhi , India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	12075
28	SPANISH CENTRE	New Delhi , India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	644.75
29	ARJUN SINGH CENTRE FOR DISTANCE & LEARNING	New Delhi , India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	1581.32
30	DABISTAN ABDUL MAZEED KHAWAJAS ACADEMIC STAFF COLLEGE	New Delhi , India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	1081.41
31	NEW EXAMINATION BUILDING	New Delhi , India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	2636.31
32	NOAM CHOMSKY COMPLEX (NEHRU CENTRE)	New Delhi , India	X	X	X	X	X	X	X	X	X	X	--	X	X	X	X	---	---	---	3207.72
33	MECHANICAL WORKSHOP / POLYTECHNIC	New Delhi , India	X	---	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	2542.26
34	NEW INSTITUTIONAL BUILDING FOR POLYTECHNIC	New Delhi , India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	6371.20
35	DEPTT. OF TH. PHYSICS	New Delhi , India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	2014.72
36	NATURAL SCIENCE	New Delhi	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	2056.56

No.	Name	Location																		Value
37	DEPTT. OF SOCIAL WORK	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	1427.16
38	MAIN CAMPUS CANTEEN	New Delhi, India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	837.95
39	STUDENTS UNION	New Delhi, India	X	X	X	X	X	X	X	X	X	X	--	X	X	X	X	---	---	---	82.53
40	DEPTT. OF SOCIOLOGY & PSYCHOLOGY	New Delhi, India	X	---	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	1456.54
41	DEPTT. OF ECONOMICS & POLITICAL SCIENCE	New Delhi, India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	1374.00
42	SCIENCE 2 BLOCKS (CHEMISTRY DEPTT. +	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	2000.00
43	DEPTT. OF COMMERCE & MATHS	New Delhi, India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	4113.79
44	CANTEEN (NEAR FINE ARTS)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	50.00
45	DEPTT. OF FINE ARTS	New Delhi, India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	474.40
46	CLASSROOM FOR FINE ARTS	New Delhi, India	X	X	X	X	X	X	X	X	X	X	--	X	X	X	X	---	---	---	156.13
47	STUDIO FINE ARTS - 1	New Delhi, India	X	---	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	716.00
48	CLASSROOM FOR FINE ARTS (NEW EXISTING)	New Delhi, India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	2221.20
49	DEPTT. OF ART HISTORY	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	255.00
50	FINE ARTS (MAIN BUILDING)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	966.35
51	MAKTABA JAMIA	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	372.76
52	MAKTABA JAMIA (NEW BLOCK)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	181.42
53	ENGG. WORKSHOP	New Delhi, India	X	X	X	X	X	X	X	X	X	X	--	X	X	X	X	---	---	---	1350.00
54	MECHANICAL WORKSHOP	New Delhi, India	X	---	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	1537.95
55	A.K. HAMEED CENTRE	New Delhi, India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	1209.93
56	FACULTY OF ENGINEERING WORKSHOP	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	5184.08
57	HALL	New Delhi	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	145.00

No.	Name	Location	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Value
		, India																			
58	COMMON ROOM (S.R.K)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	102.59
59	OLD S.R.K. BLDG	New Delhi, India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	3511.69
60	FACULTY OF HUMANITY & LANGUAGES	New Delhi, India	X	X	X	X	X	X	X	X	X	X	--	X	X	X	X	---	---	---	2668.68
61	DEPTT. OF HISTORY, GEOGRAPHY & TOURISM (MOHIBUL HASSAN HOUSE)	New Delhi, India	X	---	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	4418.66
62	URDU DEPARTMENT	New Delhi, India	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	---	---	---	4418.66
63	DEPTT. OF ENGLISH	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	549.87
64	CENTRE FOR I.T.	New Delhi, India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	2066.00
65	CASTROB CAFE (COLLEGE CANTEEN)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	249.16
66	SERWAR MANZIL CLASSROOM	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	690.70
67	SERWAR MANZIL (M.C.R.C.)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	180.92
68	A.J. KIDWAI M.C.R.C.	New Delhi, India	X	---	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	4586.00
69	A.J. KIDWAI M.C.R.C (NEW BLK)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	X	X	X	X	X	---	---	---	1113.00
70	STUDIO (M.C.R.C.)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	609.45
71	OFFICERS HOUSE (NELSON MANDELA HOUSE)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	1467.53
72	DEAN OFFICE (FACULTY OF EDUCATION)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	1176.00
73	SAEED ANSARI BLOCK (T.T.I.)	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	2957.34
74	I.A.S.E. BUILDING	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	960.48
75	TTI (S.R.C.) BUILDING	New Delhi, India	X	X	X	X	X	X	X	X	---	X	--	X	X	X	X	---	---	---	960.48
76	TTI FACULTY OF EDUCATION	New Delhi, India	X	X	X	X	X	X	X	X	X	X	--	X	X	X	X	---	---	---	670.00
77	MAK Pataudi Sports Complex	New Delhi	X	X	X	X	X	X	X	X	X	X	--	X	X	X	X	---	---	---	68190.00

35

		, India																	
78	School Building	New Delhi , India	X	X	X	X	X	X	X	X	X	X	-- -	X	X	X	X	---	---	---	3500.00
									Total											248713.52 m2

Codes			
Automation	B1	Fire Alarm	
	B2	Fire Sprinkler	
Safety	S1	CCTV	
	S2	Fire Hydrants & Safety	
	S3	Emergency Exit	
	S4	Earth Quack Safety	
Energy	E1	Solar Plant	
	E2	Energy Efficient Lights	
Water	A1	Rain Water Harvesting	
	A2	Water Absorption	
Indoor Environment	I1	Central Air Conditioning	
	I2	Wi-Fi Connectivity	
	I3	Natural Ventilation	
	I4	Physical Security Measures	
Lighting	L1	Natural Illumination Provisions	
	L2	---	
	L3	---	
	L4	---	

Smart building implementation

$$\frac{total\ smart\ building\ area}{total\ building\ area} \times 100\%$$

*Total Building Area: 150,000 m^2

$$\frac{248713.52m^2}{326880\ m^2} \times 100\% = 76.087\%$$

Dental Block	AJK MCRC
Ramanujan Block	Central Library

Nelson Mandela Block

University Polytechnic

RCA Block

Faculty of Humanities & Languages

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[2] Energy and Climate Change (EC)

[2.5] Renewable Energy Sources in Campus

Latitude: 28.56419
Longitude: 77.279216
Elevation: 222.9m
Accuracy: 5.5m
Time: 01-18-2020 13:22
Note: Faculty of Dentistry Solar panels

Latitude: 28.559631
Longitude: 77.284561
Elevation: 215.93m
Accuracy: 2.0m
Time: 01-16-2020 17:01
Note: A.J. Kidwai Mass Communication Research Center Solar energy Systems

Latitude: 28.563198
Longitude: 77.281335
Elevation: 222.91m
Accuracy: 2.0m
Time: 01-22-2020 17:26
Note: Centre for NanoScience and Nanotechnology Solar Panel

Renewable Energy Sources, Jamia Millia Islamia

Description:
Jamia Millia Islamia has installed roof top solar plant in various buildings/blocks having capacity of 2.6 Mega Watt. This plant is online and net metering is done with the power supply company (BSES). The use of renewable energy is also done in many research activities in various labs of JMI. A separate research is also going on to increase the efficiency of cell material used for producing electricity from solar.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[2] Energy and Climate Change (EC)

[2.6] Electricity Usage per Year (in Kilowatt hour)
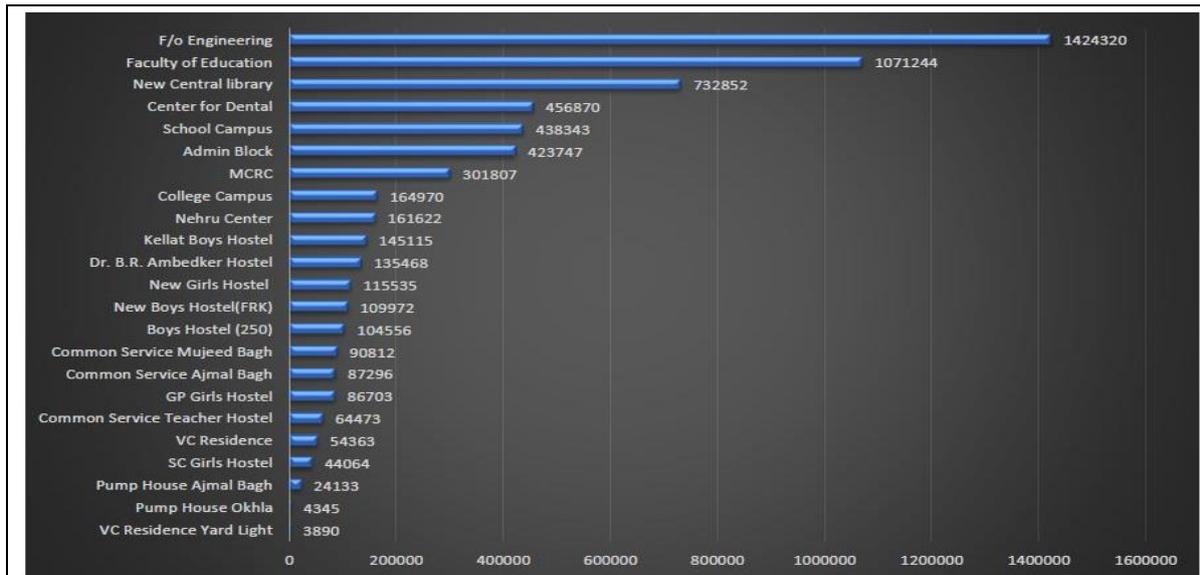
Electricity Usage (Different Locations), Jamia Millia islamia

Monthly Electricity Usage (kWh), Jamia Millia Islamia

Description:

The total electricity usage of Jamia Millia Islamia is 7590888 kWh. JMI used electricity for lighting, HVAC and laboratory and other services appliances. Net metering is also inplace in JMI due to inhouse power generation through solar power plant.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[2] Energy and Climate Change (EC)

[2.7] ratio of renewable energy production divided by total energy usage per year
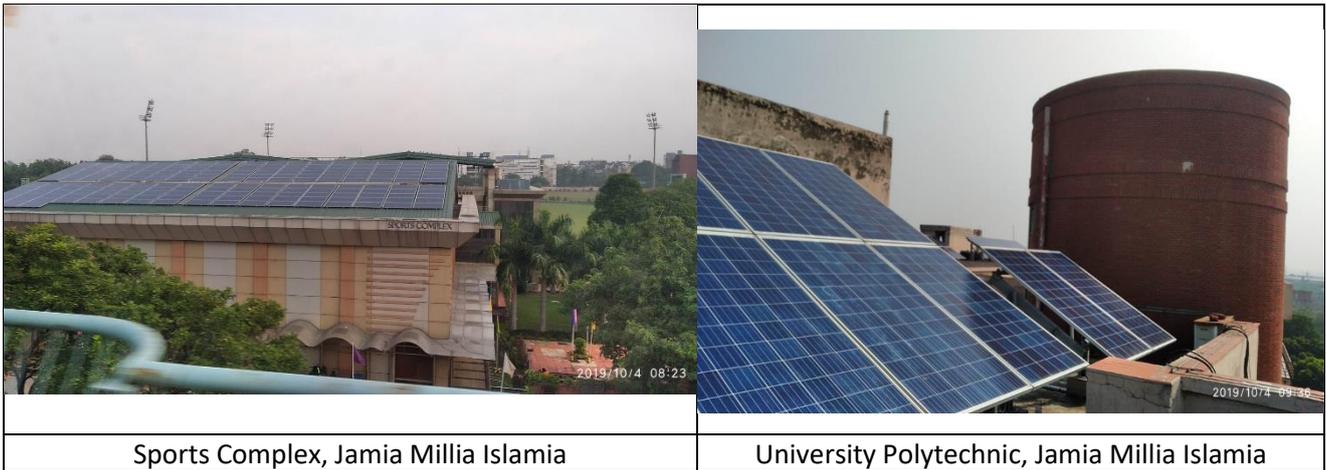
| Sports Complex, Jamia Millia Islamia | University Polytechnic, Jamia Millia Islamia |

Description:
Roof on every University building is installed with solar panels generating the power of 2.5 mega watt catering to the half of the University power requirement.

No	Renewable Energy	Production (in kWh)
1	Solar panel	2600
	Total	2600

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[2] Energy and Climate Change (EC)

[2.9] Elements of Green Building Implementation as Reflected in All Construction and Renovation Policies

IBNSINA Block, Jamia Millia Islamia

Engineering Block-I, Jamia Miilia Islamia

Dentistry Block-II, Jamia Millia Islamia
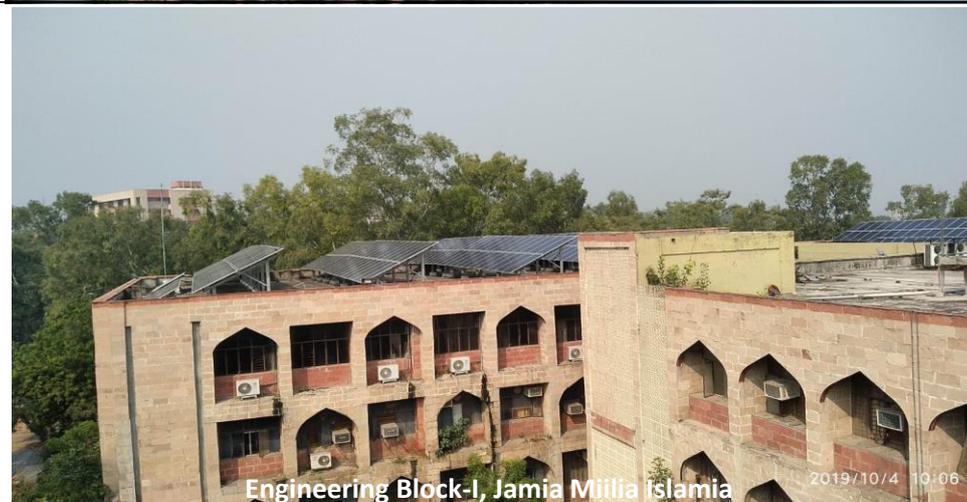
Description:

The University buildings are design with the considering the humid, sub tropical weather to beat the extreme heat and winter condition proper ventilation passages and windows are specially architect to met the weather requirements. The construction work aim to sustain the extreme weather conditions and comfort. Every building is properly ventilated with the equipped ventilator devices.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[2] Energy and Climate Change (EC)

[2.10] Greenhouse gas emission reduction program

1. Renewable Energy, Jamia Millia Islamia

Energy Conservation Policy of the University

| Use of bicycle at campus, Jamia Millia Islamia | Battery rickshaws in Jamia Millia Islamia |

| Composting Facility | Tree Plantation |
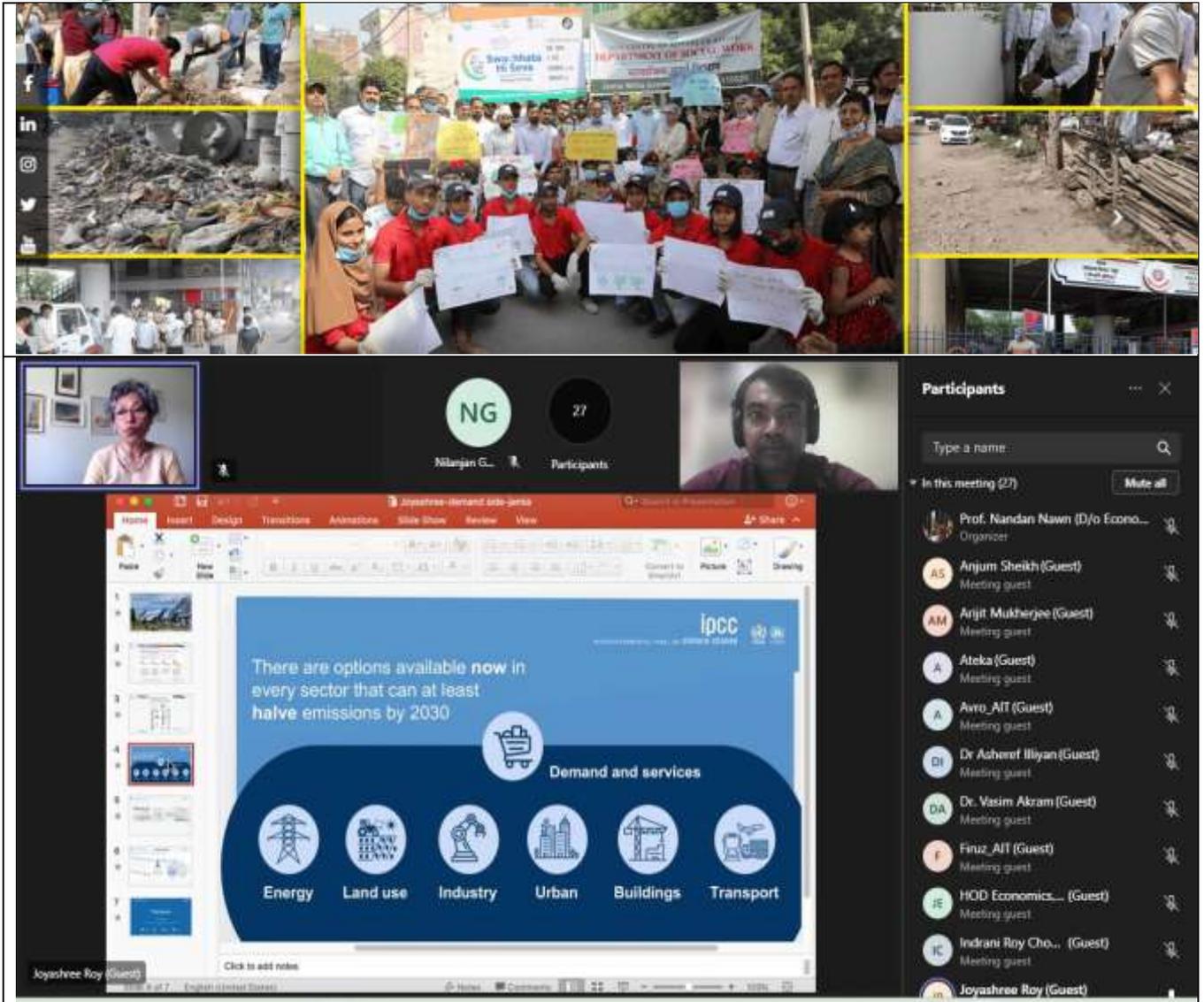
Description:

To reduce greenhouse emission, Jamia Millia Islamia has made several initiatives which are listed below:

Energy Management
- JMI has adopted a policy of utilizing solar energy to cater to its energy requirements. All rooftops in the campus have been fitted with Solar panels to generate solar energy. During the year 2022-23 we generated 2763626 kWh renewable energy.
- Reduce energy consumption. As per the notified Climate Action plan, a policy has been notified that encourages students and staff to turn off lights and appliances when they are not in use, and to participate in energy conservation campaigns.

Transportation
- Students, Faculty & Staff are encouraged to use bycles & ebattery rickshaw to move in the campus.
- As per the notified Climate Action Plan a "Vehicle Free Day" is observed by faculty & staff on rotational basis.

Waste Management
- **Reduce, reuse, and recycle.** The university maximizes the life of existing computer systems (for low computational work) by reusing the parts of old systems before disposing them as EWaste.

- **Compost food waste.** Multiple composting plants have been setup to reduce methane emissions, which are a potent greenhouse gas.

Other Measures

- **Plant trees and other vegetation.** As trees and other plants can absorb carbon dioxide from the atmosphere, the university regularly carry out plantation drives in and around the campus.
- Educate students and staff about climate change and sustainability. Academic programs such as Workshops, Conferences are regularly conducted to spread awareness about climate change and need for sustainable development.

By implementing these measures, the university has made a significant contribution to reduce greenhouse gas emissions and mitigating climate change.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[2] Energy and Climate Change (EC)

[2.11] Please Provide The Total Carbon Footprint (CO_2 emission in the last 12 months, in metric tons)

<table>
<tr><td align="center">Option 2: Recommended by UI GreenMetric</td></tr>
<tr><td>

CO_2 (electricity)

$$= \frac{electricity\ usage\ per\ year\ (kWh)}{1000} \times 0{,}84$$

$$= \frac{7590888 kWh}{1000} \times 0{,}84$$

$$= 6376.34 \text{metric tons}$$

CO_2 (cars)

$$= \frac{number\ of\ cars\ entering\ your\ university \times 2 \times approximate\ travel\ distance\ of\ vehicle\ each\ day\ inside\ campus\ only\ (KM) \times 240}{100} \times 0{,}02$$

$$= \frac{122 \times 2 \times 5 \times 240}{100} \times 0{,}02$$

$$= 48 \text{ metric tons}$$

CO_2 (motorcycle)

$$= \frac{number\ of\ motorcycle\ entering\ your\ university \times 2 \times approximate\ travel\ distance\ of\ vehicle\ each\ day\ inside\ campus\ only\ (KM) \times 240}{100} \times 0{,}01$$

$$= \frac{100 \times 2 \times 5 \times 240}{100} \times 0{,}01$$

$$= 24 \text{ metric tons}$$

CO_2 (total)

$$= 6376.34 + 48 + 24$$

$$= 6448.34 \text{ metric tons}$$

Carbon footprint in 2022 = 6448.34 metric tons

</td></tr>
<tr><td align="center">Total Carbon Footprint, Jamia Millia Islamia</td></tr>
</table>

[2] Energy and Climate Change (EC)
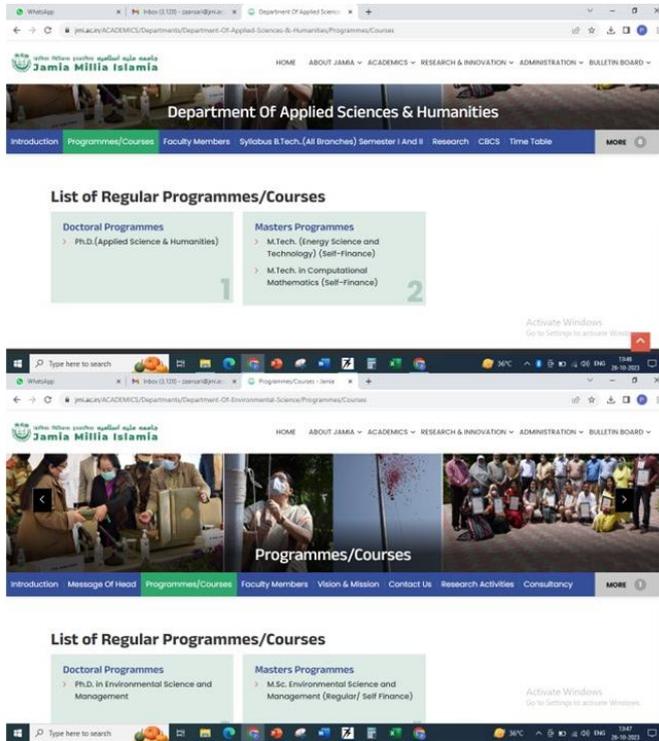
Jamia Millia Islamia offers programs: (1) MTech in Energy Science and Technology; (2) MSc in environment Science and management and (3) PhD in Environmental Science and Management.

[2.13] The number of innovative program(s) in Energy and Climate Change

48

Workshop on Energy Analysis & Modeling

Description:

Jamia Millia Islamia has setup few smart control room during Covid-19 to monitor the various cases and their recoveries. A dedicated team of in house medical professionals were available round the clock to facilitate the diagnosis and medical treatment etc.

A mobile unit equipped with all necessary medical equipment's and professionals used to cater the initial medical services to its employees and students and near by areas.

JMI organized various sustainability activities and Book launch.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[2] Energy and Climate Change (EC)

[2.14] Impactful university program(s) on climate change

STP facility, Jamia Millia Islamia

Description:

Jamia Millia Islamia built a sewage treatment plant facility in its campus, to carryout all the waste disposal form its campus to utilize it in the form of environment friendly applications. Apart from this, university also have its own rain harvesting systems, and various small solar generations units to cater electricity for research purpose. Faculty of Engineering of Universitas Indonesia build windmills as a power plant in the village of Bungin.

CRITERIA-III

WASTE

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[3] Waste (WS)

[3.1] 3R (Reduce, Reuse and Recycle) Program for University Waste

Recycling Program, Jamia Millia Islamia

Description:
Jamia Millia Islamia recycles its waste by classifying it into two categories – Dry Waste and Wet Waste.
The collection of these waste is to be done through marked collections points and than all these were taken to waste management /recycling stations for their proper disposal.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[3] Waste (WS)

[3.2] Program to Reduce the Use of Paper and Plastic on Campus

Program to Reduce the Use of Paper and Plastic in Campus, Jamia Millia Islamia

Description:
1. Jamia Millia Islamia IT supports paperless system (MIS/FTS, NAD/Digi locker, PFMS) to reduce paper in daily workplace. It can reduce a lot of paper use that mean Jamia Millia Islamia can reduce CO_2 emissions and save the world.
2. Jamia Millia Islamia practices the Solutions of reusable paper in back office, e.g. using 2-side of paper, always recheck your data before print, use online system instead of hard copy.
3. Jamia Millia Islamia in the last few years has a policy of "Reduce Reuse plastic bag.

UI GreenMetric Questionnaire

University   :   Jamia Millia Islamia
Country   :   India
Web Address :   https://www.jmi.ac.in/

[3] Waste (WS)

[3.3] Total volume organic waste produced

Type of organic waste	Total Produced (ton)
- food waste	1
- leaf, etc.	5
- etc	3
Total	**9**

Description:

Jamia Millia Islamia produces 9 tons of organic waste and calculate its volume need to know the density of the organic waste. The density of organic waste can vary, as mentioned earlier, depending on its composition and moisture content.

Let's assume an average density of 900 kg/m³ (which is a rough estimate for organic waste). Then, calculate the volume as follows:

Volume = Mass (tons) / Density (kg/m³)

UI GreenMetric Questionnaire

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[3] Waste (WS)

[3.4] Total volume organic waste treated

Type of waste	amuount (ton)			
	total	reduced	reused	recycled
organic	9	------	------	9
- food waste	1	------	------	1
- leaf, etc.	5	------	------	5
- etc	3	------	------	3

Description:

Jamia Millia Islamia treated 9 tons of organic waste and calculate its volume need to know the density of the organic waste. The density of organic waste can vary, as mentioned earlier, depending on its composition and moisture content.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[3] Waste (WS)

[3.5] Organic Waste Treatment
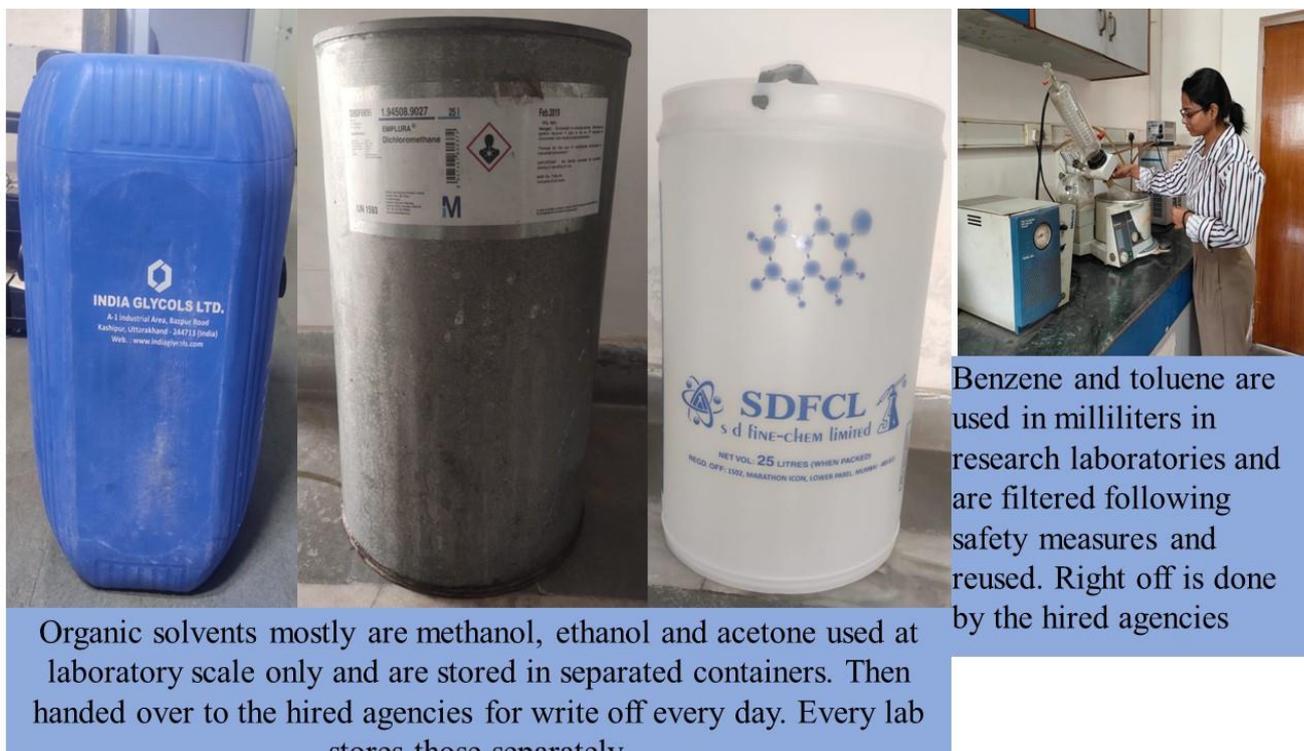
Organic solvents mostly are methanol, ethanol and acetone used at laboratory scale only and are stored in separated containers. Then handed over to the hired agencies for write off every day. Every lab stores those separately.

Benzene and toluene are used in milliliters in research laboratories and are filtered following safety measures and reused. Right off is done by the hired agencies

Description:

The institute restricts the use of toxic or harmful solvents at graduate or research laboratories. The institute has hired agencies to write off the not usable organic solvents, such as methanol, ethanol and acetone, in laboratories across the campus. The reusable solvent and non-reusable solvents are stored in separate containers in every laboratory. The wastage accumulates in a few liters in every lab on a monthly basis which are collected by the authorized hired agencies on quarterly basis. Use of Benzene and Toluene restricted, when used are stored and filtered using rotary extractor, following safety measures, and reused. The same process is used for writing off.

Organic Waste Treatment, Jamia Millia Islamia

Description:

Jamia Millia Islamia is having in house organic waste treatment plants to cater the waste management in environment friendly manner for its sustainable development. The University is also having dry compost plant in its horticulture department for the de composition of the dry waste.

UI GreenMetric Questionnaire

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[3] Waste (WS)

[3.6] Total volume inorganic waste produced

Type of inorganic waste	Total Produced (ton)
- paper	50
- soft plastic	1
- hard plastic	1
- etc	5

Description:

Jamia Millia Islamia produced its inorganic waste. The collection of these waste is to be done through marked collections points and then all these are taken to waste management /recycling stations for their proper disposal.

UI GreenMetric Questionnaire

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[3] Waste (WS)

[3.7] Total volume inorganic waste treated

Type of waste	amuount (ton)				
	total	reduced	reused	down-cycled	up-cycled
inorganic non-toxic	57	----	----	56	1
- paper	50	----	----	50	----
- soft plastic	1	----	----	----	1
- hard plastic	1	----	----	1	----
- etc	5	----	----	5	----

Description:
Jamia Millia Islamia produced its inorganic waste. The collection of these waste is to be done through marked collections points and then all these are taken to waste management /recycling stations for their proper disposal.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[3] Waste (WS)

[3.8] Inorganic Waste Treatment

Inorganic Waste Treatment/Disposal, Jamia Millia islamia

Description:

1. Inorganic Waste treatment in JMI in its various departments like physical sciences, biological sciences, semi conducted labs etc is done by physical, chemical and biological processing to remove inorganic contaminants from inorganic wastages.
2. Common parameters requiring treatment include suspended solids, dissolved metals, nitrate, ammonia, arsenic, sulphate and TDS.

UI GreenMetric Questionnaire

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[3] Waste (WS)

[3.9] Total volume toxic waste produced

Type of toxic waste	Total Produced (ton)
- electronics	1
- lab. Chemicals	0.0551
- etc	-----

Description:

Jamia Millia Islamia produced its toxic waste. The collection of these waste is to be done through marked collections points and then all these are taken to waste management /recycling stations for their proper disposal.

UI GreenMetric Questionnaire

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[3] Waste (WS)

[3.10] Total volume toxic waste treated

Type of waste	amuount (ton)				
	total	reduced	reused	down-cycled	up-cycled
toxic	**1.0551**	**0.0551**	-----	**0.5**	**0.5**
- electronics	1	-----	-----	0.5	0.5
- lab. Chemicals	0.0551	0.0551	-----	-----	-----
- etc	-----	-----	-----	-----	-----

Description:

Jamia Millia Islamia treated its toxic waste. The collection of these waste is to be done through marked collections points and then all these are taken to waste management /recycling stations for their proper disposal.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[3] Waste (WS)

[3.11] Toxic Waste Treatment

Toxic Waste Treatment, Jamia Millia Islamia

Description:

Toxic waste management in JMI is done by chemical, thermal, biological and physical methods in its various labs. Chemical methods include ion exchange, precipitation, oxidation and deduction, neutralization. Among the thermal method is high temperature incineration, which not only can detoxify certain organic wastes but also can destroy them.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[3] Waste (WS)

[3.12] Sewage Disposal

Sewage Disposal Plant, Jamia Millia Islamia

Description:

Jamia Millia Islamia is having its own sewage treatment plants having capacity of 150 KLD to treat the sewage output of the University from different blocks of the building.

CRITERIA-IV

WATER

University   :   Jamia Millia islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[4] Water (WR)

[4.1] Water Conservation Program Implementation

Water Conservation Program, Jamia Millia Isalamia

Description:

Rain water harvesting systems are installed at various points in Jamia Millia Islamia for the conservation of the water. Rain water is thus collected from the roofs of the buildings and is then discharged into the local ponds and canals around the buildings. The university has also buildings where all the rainwater is collected for toilet flushing and for watering the plants inside the building. Apart from this, a separate sewerage system is also in practice.

University   :   Jamia Millia islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[4] Water (WR)

[4.2] Water Recycling Program Implementation

Latitude: 28.555518
Longitude: 77.283082
Elevation: 248.73m
Accuracy: 1.8m
Time: 02-10-2020 12:02

Latitude: 28.556533
Longitude: 77.280943
Elevation: 235.83m
Accuracy: 2.9m
Time: 02-10-2020 12:42

Latitude: 28.558299
Longitude: 77.281301
Elevation: 212.92m
Accuracy: 3.0m
Time: 01-20-2020 15:27
Note: Faculty of Law Rain Water Harvesting

Latitude: 28.558728
Longitude: 77.288752
Elevation: 205.95m
Accuracy: 2.0m
Time: 01-17-2020 16:17
Note: Srinivasa Ramanujan Block Rain Water Harvesting

Water Recycling, Jamia Millia Islamia

Description:

Jamia Millia Islamia is continuously doing water recycling through its plants to optimize the use of water so that wastes of water is minimize. Rainwater harvesting plants are also available at different locations of JMI with proper water meter installed. The recycled water also use for garden sprinkler system, toilet flush, cooling system, etc.

University   :   Jamia Millia islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[4] Water (WR)

[4.3] Water Efficient Appliances Usage (e.g. hand washing taps, toilet flush, etc.)
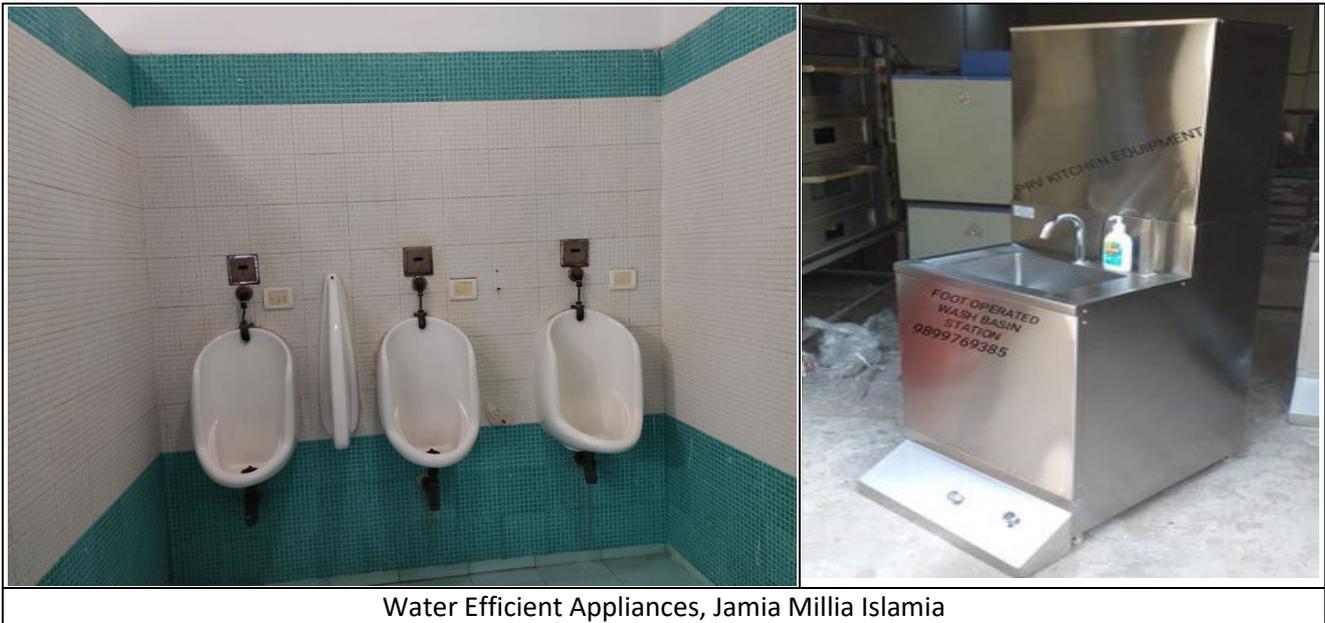
Water Efficient Appliances, Jamia Millia Islamia

Description:

Appliance	Total Number	Total number water Efficient appliances	Percentage
Toilet	1051	727	69%
Wastafel	488	318	65%
Etc.	650	581	89%
		Average Percentage	**74.33%**

University   :   Jamia Millia islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[4] Water (WR)

[4.4] Consumption of treated water

Consumption of treated water, Jamia Millia Islamia

Description:

Water recycling treatment is done in JMI at two places having a total capacity of 150 kl. At CIE, JMI. We produced JMI Jal which is being used at various offices and students activity centres. Some of the recycled water is used by the horticulture department of JMI to maintain the green campus.

University   :   Jamia Millia islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[4] Water (WR)

[4.5] Water pollution control in campus area

Latitude: 28.556533
Longitude: 77.280943
Elevation: 235.83m
Accuracy: 2.9m
Time: 02-10-2020 12:42
Note: J & K Hostel S.T.P

Latitude: 28.556652
Longitude: 77.280703
Elevation: 240.82m
Accuracy: 2.2m
Time: 02-10-2020 12:44
Note: Begum Hazrat M. STP

Latitude: 28.55555
Longitude: 77.282968
Elevation: 246.43m
Accuracy: 2.1m
Time: 02-10-2020 12:05
Note: Sewerage Treatment Plant (Coaching & Carrier Planning)

Latitude: 28.55545
Longitude: 77.282965
Elevation: 246.33m
Accuracy: 1.8m
Time: 02-10-2020 12:00
Note: Sewerage Treatment Plant (Coaching & Carrier Planning)

Waste Water/Sewage Disposal Plant, Jamia Millia Islamia

Latitude: 28.555518
Longitude: 77.283082
Elevation: 248.73m
Accuracy: 1.8m
Time: 02-10-2020 12:02

71

Description:

Jamia Millia Islamia is having its own sewage treatment plants having capacity of 150 KLD to treat the sewage output of the University from different blocks of the building.

JMI Installed RO systems in whole campus for purification of polluted water.

JMI has a setup for Packaged drinking water under the brand name of JMI Jal.

Policy

JMI has a policy on preventing and reducing water pollution of all kinds, in particular from land-based activities.

Wastewater Treatment

JMI has a system to prevent polluted water to enter the water system by using waste water management and microfilter.

CRITERIA-V

TRANSPORTATION

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in

[5] Transportation (TR)

[5.4] The total number of vehicles (cars and motorcycles) divided by total campus' population

No.	Vehicle	Total Number
1	Car managed by the university	25
2	Cars entering the university	386
3	Motorcycles entering the university	1486
	Total	1897

5.4 = 1897/19307 (population) = 0.09825

Description:

Jamia Millia Islamia is having significant no. of cars and motorcycles. There is daily commuting of could no. of vehicles entering in its campus. The emission by these vehicles is under control and each vehicle managed by the university is having Pollution Under Control (PUC) certification from the competent authority of Govt. of India.

University   :   Jamia Millia islamia
Country   :   India
Web Address :   https://www.jmi.ac.in/

[5] Transportation (TR)

[5.9] Zero Emission Vehicles (ZEV) Policy on Campus

Zero Emission Facility, Jamia Millia Islamia

E-rickshaw used at campus-Jamia Millia Islamia

Bycycle used at campus-Jamia Millia Islamia

Zero emission vehicles at campus, Jamia Millia Islamia

Description:

All Jamia Millia Islamia sites are cyclist and pedestrian friendly. Many have vehicle-free paths for these users. There is a minimal speed limit on all internal roads, and cycle paths on the public roads. All sites have cycle parking at appropriate place. There is proper arrangements for repair and maintenance/servicing of the cycles. Community groups are encouraging there use of cycles in the campus as well as in near by areas to facilitate various outreach programs of the University.

University   :   Jamia Millia islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[5] Transportation (TR)

[5.13] Ratio of Parking Area to Total Campus Area

Google Map Layout, Jamia Millia Islamia

Description:

Total main campus area: 967360.559m^2

Total parking area = 64483m^2 (5.56534991m^2).

Total Population: 19307

Ratio = 6.66

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[5] Transportation (TR)

[5.14] Program to limit or decrease the parking area on campus for the last 3 years (from 2020 to 2022)

University Transport Facility, Jamia Millia Islamia

Cycle/Electric Vehicle Facility, Jamia Millia Islamia

Description:
1. Dedicated Cycle Parking Spaces for Students and Staff
2. Dedicating Parking Space for University Transport
3. Dedicated Spaces for Staff Vehicles in Various Departments

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[5] Transportation (TR)

[5.15] Number of Transportation Initiatives to Decrease Private Vehicles on Campus

| University Transport Services | Cycle Facility |

Description:

1. University transport facility available at campus.
2. Cycle facility is also available for students and staff.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[5] Transportation (TR)
[5.16] Pedestrian Path Policy on Campus

Ramp/pedestrian path, Jamia Millia Islamia

Street lights on roads at campus, Jamia Millia Islamia
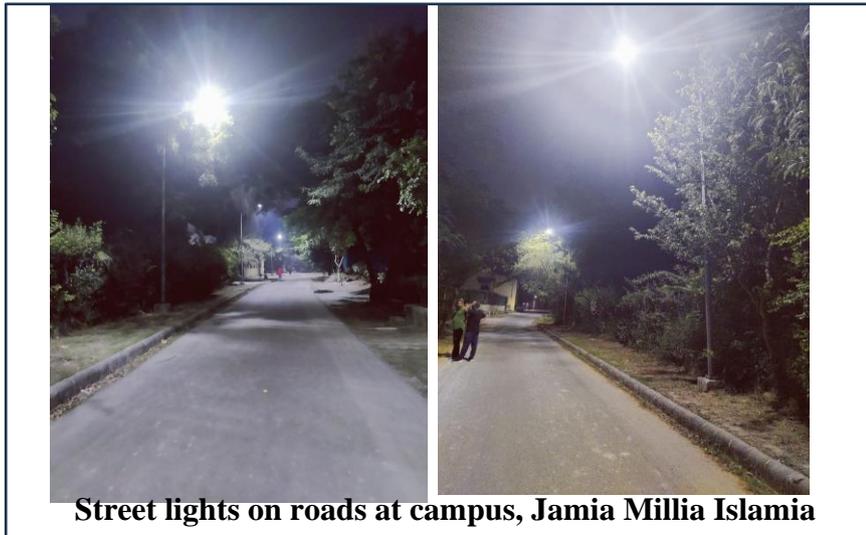
Description:

1. Separator between road for vehicle and pedestrian path.
2. Ramps and guiding blocks which have suitable design for pedestrian having physical disabilities.
3. Street lamp for pedestrian in night.

CRITERIA-VI

EDUCATION AND RESEARCH

University : Jamia Millia Islamia
Country : India
Web Address : https://www.jmi.ac.in/

[6] Education and Research (ED)

[6.1] Number of Courses/Subjects Related to Sustainability Offered

Programs	Note
M.A.(English)	Subject related to communications social equality and sustainability in society
B.A.(Hons)(English)	Subject related to communications social equality and sustainability in society
P.G. Diploma in Translation Studies	Subject related to communications social equality and sustainability in society
M.A.(Hindi)	Sustainable journalism and social communication related areas
P.G.Diploma in Journalism (Hindi Medium)	Sustainable journalism and social communication related areas
P.G.Diploma in TV Journalism (Hindi Medium)	Sustainable journalism and social communication related areas
Post Graduate Diploma in English-Hindi Translation	Sustainable journalism and social communication related areas
M.A. (Mass Media Hindi)	Sustainable journalism and social communication related areas
B.A.(Hons) (Hindi)	Sustainable journalism and social communication related areas
B.A.(Hons)(Mass Media Hindi)	Sustainable journalism and social communication related areas
Master of Tourism and Travel Management (MTTM)	Sustainable tourism including economic, social and environmental issues, eco friendly practices in travel
Bachelor of Hotel Management (BHM)	Sustainable tourism including economic, social and environmental issues, eco friendly practices in travel and food management
Bachelor of Tourism and Travel Management	Sustainable tourism including economic, social and environmental issues, eco friendly practices in travel
B.Voc (Food Production)	Sustainable tourism including economic, social and environmental issues, eco friendly practices in travel and food management
PG Diploma in Tourism & Travel Management	Sustainable tourism including economic, social and environmental issues, eco friendly practices in travel

M.A./M.Sc.(Development Extension)	Subjects related to good practices in solving the rural problems, adoption of innovation.
M.A.(Economics)	Subjects related to good practices in solving the environmental problems and conserving resources.
M.Sc.(Banking and Financial Analytics)	Subjects related to equitable and sustainable society.
B.A.(Hons) (Economics)	Subjects related to good practices in solving the environmental problems and conserving resources.
M.A.(Social Work)	To understand sustainability as patterns and policies including human and nature for current and future generation.
M.A.(Human Resource Management)	To understand sustainability as patterns and policies including human and nature for current and future generation.
Advanced Diploma in Public Health	To understand sustainability as patterns and policies including human and nature for current and future generation.
M.A.(Sociology)	To understand sustainability as patterns and policies including human and nature for current and future generation.
B.A.(Hons)(Sociology)	To understand sustainability as patterns and policies including human and nature for current and future generation.
M.A.(Political Science)	To understand sustainability as patterns and policies including human and nature for current and future generation.
M.A.(Human Rights & Duties Education)	To understand sustainability as patterns and policies including human and nature for current and future generation.
M.A.(Public Administration)	To understand sustainability as patterns and policies including human and nature for current and future generation.
B.A.(Hons.)(Political Science)	To understand sustainability as patterns and policies including human and nature for current and future generation.
M.A.(Applied Psychology)	Subject related to psychologically sustainability
Advanced Diploma in Counselling Psychology	Subject related to psychologically sustainability
B.A.(Hons)(Psychology)	Subject related to psychologically sustainability
MBA (Healthcare and Hospital Management)	Subject related to psychologically and healthcare sustainability
PG Diploma in Unani Pharmacy	Subject related to human health under unani system of medicines

M.Sc.(Biosciences)	Subject related to eco system of the earth, its protection managing and monitoring
M.Sc.(Biochemistry)	To determined in environmental causes related to human growth
M.Sc.(Microbiology)	Subject related to eco system of the earth, its protection managing and monitoring
B.Sc.(Biosciences)	Subject related to eco system of the earth, its protection managing and monitoring
Ph.D. Unani Medicine	Subject related to human health under unani system of medicines
M.Sc.(Biotechnology)	Subject related to biotech crops, biological alternatives or human growth
B.Sc.(Biotechnology)	Subject related to biotech crops, biological alternatives or human growth
M.Sc. (Chemistry: Materials/ Inorganic/ Organic/ Physical)	To determined in environmental causes related to human growth
B.Sc.(Hons) (Chemistry)	To determined in environmental causes related to human growth
Ph.D. Bioscience	Subject related to eco system of the earth, its protection managing and monitoring
M.Sc.(Bioinformatics)	Subject related to genome coding, Sequencing
M.C.A	Subject related to genome coding, Sequencing
P. G. Diploma in Computer Application	Subject related to genome coding, Sequencing
Ph.D. Biotechnology	Subject related to biotech crops, biological alternatives or human growth
M.A./M.Sc.(Geography)	Practice of using natural resourcing, their use and availability in future
M.Sc. (Disaster Management & Climate Sustainability Studies)	Practice of using natural resourcing, their use and availability in future
P. G. Diploma in Remote Sensing & GIS Application	Practice of using natural resourcing, their use and availability in future
B.A./B.Sc.(Hons) (Geography)	Practice of using natural resourcing, their use and availability in future
P.G. Diploma in Disaster Management	Practice of using natural resourcing, their use and availability in future
Ph.D. Geography	Practice of using natural resourcing, their use and availability in future
M.Sc. (Mathematics with Computer Science)	Subject related to exploration of new models for sustainable development
M.A./M.Sc.(Mathematics)	Subject related to exploration of new models for sustainable development
B.Sc.(Hons) (Mathematics)	Subject related to exploration of new models for sustainable development

B.Sc.(Hons) (Applied Mathematics)	Subject related to exploration of new models for sustainable development
Ph.D. Chemistry	To determined in environmental causes related to human growth
M.Sc. (Physics)	Subjects related to sustainable energy with respect to earths natural resources
B.Sc.(Hons) (Physics)	Subjects related to sustainable energy with respect to earths natural resources
B.Voc (Solar Energy)	Subjects related to sustainable energy with respect to earths natural resources
Ph.D. Physics	Subjects related to sustainable energy with respect to earths natural resources
M.A.(Educational Planning and Administration)	Subjects related to change in peoples value and behaviours, developing life skills.
M.Ed.	Subjects related to change in peoples value and behaviours, developing life skills.
P.G.Diploma in Educational Management	Subjects related to change in peoples value and behaviours, developing life skills.
M.A.(Education)	Subjects related to change in peoples value and behaviours, developing life skills.
M.Ed.(Special Education)	Subjects related to change in peoples value and behaviours, developing life skills.
B.Ed.	Subjects related to change in peoples value and behaviours, developing life skills.
B.Ed.(Special Education)	Subjects related to change in peoples value and behaviours, developing life skills.
B.Ed.(Nursery Education)	Subjects related to change in peoples value and behaviours, developing life skills.
B.Sc.-Aeronautics, (Mechanical/Avionics)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
Ph.D. Eloctronics	Subjects related to sustainable development to enhance the welfare, health and safety for all.
M.Sc.(Electronics)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
M.Tech. (Energy Sciences)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
M.Tech. (Computational Mathematics)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
Ph.D. Civil Engineering	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity

M.Tech.(Environmental Science & Engineering)	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
M.Tech.(Environmental Science & Engineering)	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
M.Tech.(Earthquake Engineering)	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
B.Tech. (Civil Engineering)	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
Ph.D. Computer Engineering	Subjects related to sustainable development to enhance the welfare, health and safety for all.
M.Tech.(Computer Engineering)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
B.Tech. (Computer Engineering)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
Ph.D. Electrical Engineering	Subjects related to sustainable development to enhance the welfare, health and safety for all.
M.Tech.(Electrical Power System Management)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
M.Tech.(Control & Instrumentation System)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
B.Tech. (Electrical Engineering)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
Ph.D. Electronics & Communications Engineering	Subjects related to sustainable development to enhance the welfare, health and safety for all.
M.Tech.(Electronics & Communication Engineering)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
B.Tech. (Electronics & Communications Engineering)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
Ph.D. Mechanical Engineering	Subjects related to sustainable development to enhance the welfare, health and safety for all.
M.Tech .(Mechanical Engineering: Thermal Engineering)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
M.Tech .(Mechanical Engineering: Machine Design)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
M.Tech .(Mechanical Engineering: Production & Industrial	Subjects related to sustainable development to enhance the welfare, health and safety for all.

B.Tech. (Mechanical Engineering)	Subjects related to sustainable development to enhance the welfare, health and safety for all.
M.Sc. Environmental Science & Management	Subjects related to sustainable development to enhance the welfare, health and safety for all.
LL.M.	Study of environmental laws, social human laws etc
B.A.LL.B.(Hons)	Study of environmental laws, social human laws etc
B.A.LL.B.(Hons)	Study of environmental laws, social human laws etc
LL.M.	Study of environmental laws, social human laws etc
P.G. Diploma in Labour Laws	Study of environmental laws, social human laws etc
P.G. Diploma in Air and Space Laws	Study of environmental laws, social human laws etc
Ph.D. Architecture	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
M.Arch.(Architecture Pedagogy)	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
M.Arch.(Healthcare Architecture)	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
M.Arch.(Building Services)	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
M.Arch.(Recreational Architecture)	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
M.Arch.(Urban Regeneration)	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
M.Arch. (Ekistics)	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity

B.Arch.	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
B.Arch.	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
Master of Design (M.Des.)	Study in the areas of conservation and restoration of natural resources, reduction in energy consumption and waste, protection of eco system and environmental bio diversity
M.F.A.(Applied Art)	Study in the areas of conservation and restoration of natural resources.
B.F.A.(Applied Art)	Study in the areas of conservation and restoration of natural resources.
M.F.A.(Art Education)	Study in the areas of conservation and restoration of natural resources.
B.F.A.(Art Education)	Study in the areas of conservation and restoration of natural resources.
Ph.D. Art History & Art Appreciation	Study in the areas of conservation and restoration of natural resources.
M.F.A.(Art History & Art Appreciation)	Study in the areas of conservation and restoration of natural resources.
M.F.A.(Graphic Art)(Print Making)	Study in the areas of conservation and restoration of natural resources.
M.F.A.(Painting)	Study in the areas of conservation and restoration of natural resources.
B.F.A. (Painting)	Study in the areas of conservation and restoration of natural resources.
M.F.A.(Sculpture)	Study in the areas of conservation and restoration of natural resources.
B.F.A.(Sculpture)	Study in the areas of conservation and restoration of natural resources.
B.D.S.	Subjects related to sustainable dentistry
M.A.(Mass Communication)	Sustainable journalism and social communication related areas
M.A.(Convergent Journalism)	Sustainable journalism and social communication related areas
M.A.(Development Communication)	Sustainable journalism and social communication related areas
M.A.(Visual Effects and Animation)	Sustainable journalism and social communication related areas
PG Diploma in Broadcast Technology	Sustainable journalism and social communication related areas

PG Diploma in Still Photography & Visual Communication	Sustainable journalism and social communication related areas
PG Diploma in Acting	Sustainable journalism and social communication related areas
M.A.(Politics: International & Area Studies)	To understand sustainability as patterns and policies including human and nature for current and future generation.
M.B.A.(Full Time)	Areas related to strategic management, sustainable management, operational management etc
M.B.A.(Executive)	Areas related to strategic management, sustainable management, operational management etc
M.B.A.(International Business)	Areas related to strategic management, sustainable management, operational management etc
M.B.A.(Entrepreneurship & Family Business)	Areas related to strategic management, sustainable management, operational management etc
Ph.D. Physiotherapy	Environmental sustainable physiotherapy
M.P.T.(Sports/Orthopaedics/Neurology/Cardiopulmonary)	Environmental sustainable physiotherapy
B.P.T. (Bachelor of Physiotherapy)	Environmental sustainable physiotherapy
B. Voc (Medical Laboratory Sciences)	Environmental sustainable physiotherapy
B. Voc (Medical Electrophysiology)	Environmental sustainable physiotherapy
Ph.D. Basic Sciences	Subject related to eco system of the earth, its protection managing and monitoring
M.Sc.(Biophysics)	Subject related to eco system of the earth, its protection managing and monitoring
M.A.(Conflict Analysis and Peace Building)	To understand sustainability as patterns and policies including human and nature for current and future generation.
M.A. (Comparative Religion)	To understand sustainability as patterns and policies including human and nature for current and future generation.
M.A.(Social Exclusion & Inclusive Policy)	To understand sustainability as patterns and policies including human and nature for current and future generation.
B.A. (Hons.) French & Francophone Studies	To understand sustainability as patterns and policies including human and nature for current and future generation.
B.A. (Hons.) Spanish & Latin American Studies	To understand sustainability as patterns and policies including human and nature for current and future generation.

M.A. (International Relations-West Asian Studies)	To understand sustainability as patterns and policies including human and nature for current and future generation.
M.A.(Media Governance)	Sustainable journalism and social communication related areas
M.A.(International Studies -Arab Islamic Culture)	To understand sustainability as patterns and policies including human and nature for current and future generation.
M.Tech.(Nano Technology)	Subject related to the solution of urban sustainability problems like water contamination and energy use
Ph.D. Nano Science & Nano Technology	Subject related to the solution of urban sustainability problems like water contamination and energy use
M.A.(Gender Studies)	To understand gender sustainability as patterns and policies including human and nature for current and future generation.
Ph.D. Multidisciplinary Science	Subject related to the solution of urban sustainability problems like water contamination and energy use
Ph.D. Theoretical Physics	Subject related to the astronomy, global environment etc
PG Diploma in Molecular Diagnostics	Subject related to eco system of the earth, its protection managing and monitoring
P G Diploma in Entrepreneurship, Innovation & Design Thinking	Sustainable growth related subject
M.Sc.(Mathematics) Education	Subject related to exploration of new models for sustainable development

Description:-

Jamia Millia Islamia offers variety of courses/programmes related to sustainability dully approved by its academic council and other relevant authorities. The list is shown as above.

The list also includes courses with sustainability already embedded, and those that include the Sustainability in Practice Certificate as part of the core curriculum.

Total number of courses with sustainability embedded for courses running in 2022/23 = 259

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[6] Education and Research (ED)

[6.2] Total Number of Courses/Subjects Offered

Total Courses Offered in 2020-2022, Jamia Millia Islamia
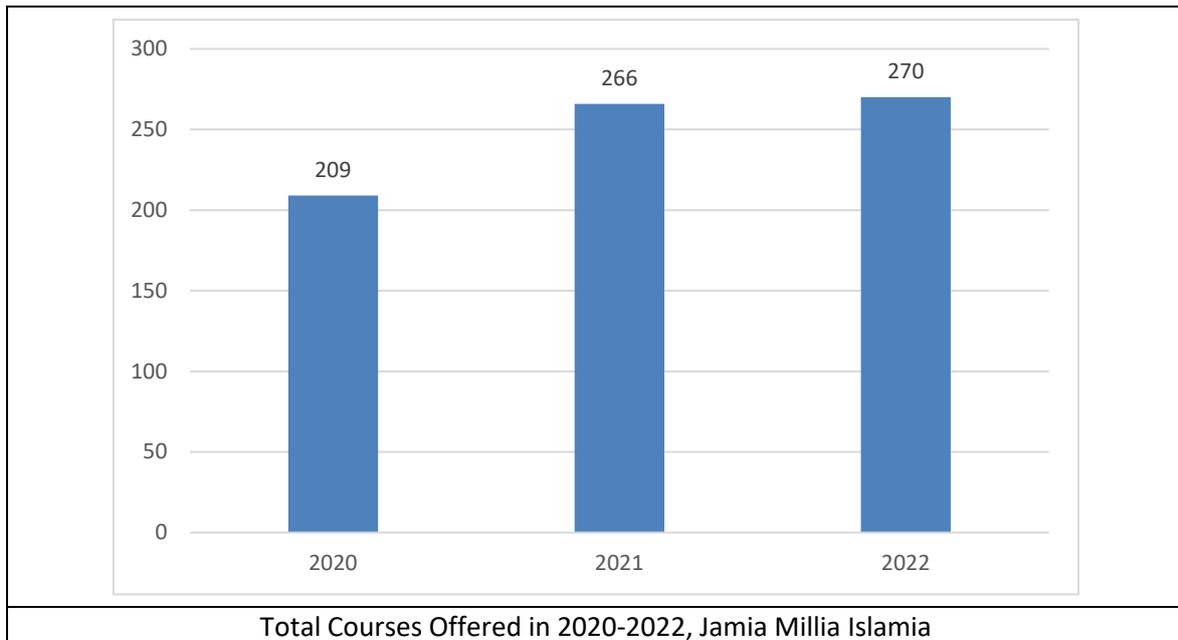
Description:
(*Please describe the total of courses/subjects offered on your campus. The following is an example of the description. You can describe more related items if needed*.)

2020	209
2021	266
2022	270

Total number of courses offered in 2022 = 270 courses

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[6] Education and Research (ED)

[6.4] Total Research Funds Dedicated to Sustainability Research (in US Dollars)

Research Labs for Sustainability Research, Jamia Millia Islamia

Description:
Total research fund dedicated to sustainability research in 2020 = 818937.33 S Dollars
Total research fund dedicated to sustainability research in 2021 = 656106.59 US Dollars
Total research fund dedicated to sustainability research in 2022 = 816545.94 US Dollars
The averaged annum last 3 years of research fund dedicated to sustainability research = 763863.29 US Dollars

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[6] Education and Research (ED)

[6.5] Total Research Funds (in US Dollars)

Total Research Fund, Jamia Millia Islamia
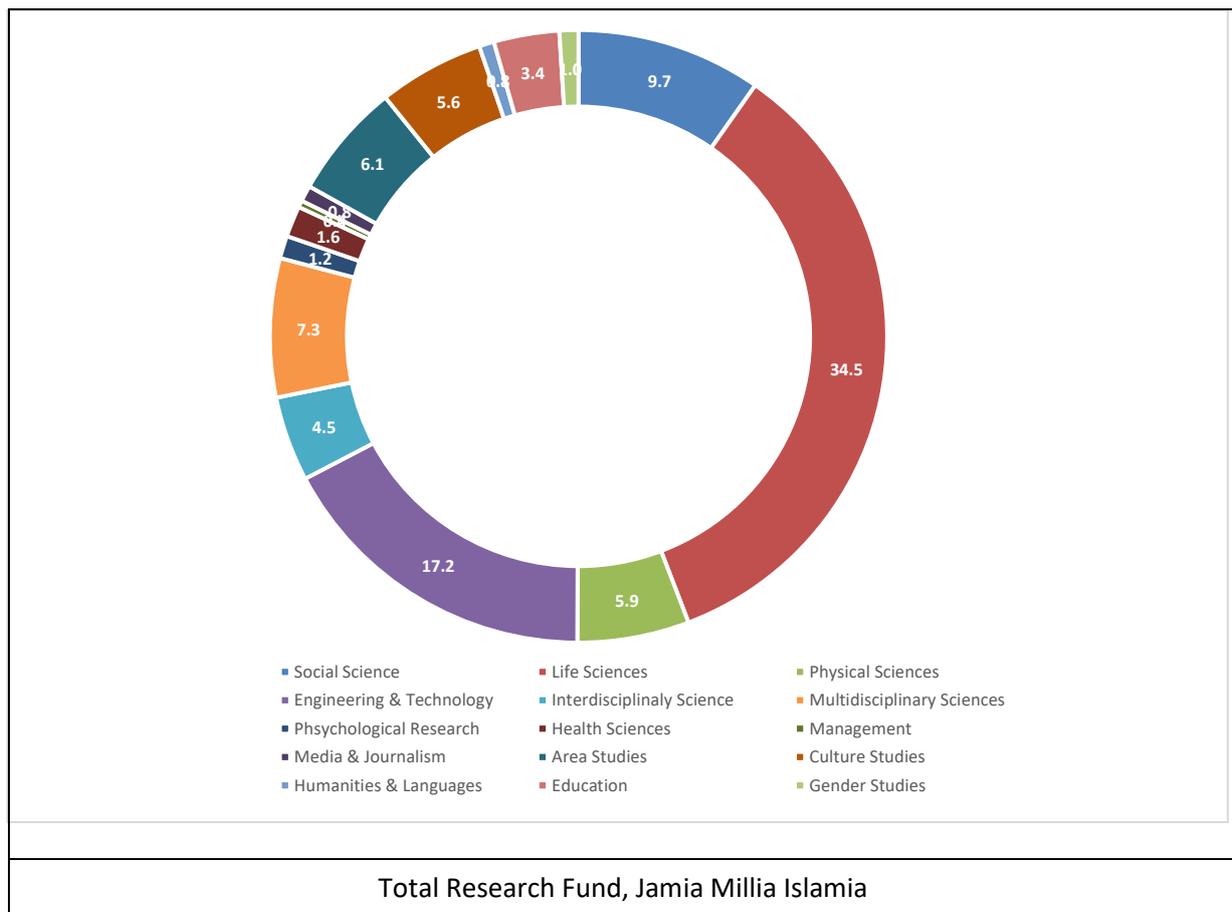
Description:

Total research fund in 2020 = 2010649 US Dollars
Total research fund in 2021 = 1591333 US Dollars
Total research fund in 2022 = 1944157 US Dollars
The averaged annum last 3 years of research fund = 1848713 US Dollars

More over research funding in the University reports: https://www.jmi.ac.in/universityreport/financial

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[6] Education and Research (ED)

[6.7] Number of scholarly publications on sustainability

Scholarly publications on sustainability, Jamia Millia Islamia

Description:
Researchers and faculties in Jamia Millia Islamia are regularly publishing scholarly articles on sustainability in different areas of their field of specialization in reputed and high indexed journals.
scholarly publications on sustainability in the academic year 2020-2022.
A total average per annum over the last 3 years are nearly 5000 publications

University   :   Jamia Millia Islamia
Country   :   India
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[6] Education and Research (ED)

[6.8] Number of Events Related to Sustainability

Events Related to Sustainability, Jamia Millia Islamia

Description:
Total number of sustainability/environment related events in:
2020: 136
2021: 184
2022: 220

A total average per annum over the last 3 years are nearly **180 events** (e.g. conferences, workshops, awareness raising, practical training, lectures, etc.).

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[6] Education and Research (ED)

[6.9] Number of activities organized by student organizations related to sustainability per year

student organizations Related to Sustainability, Jamia Millia Islamia

Description:

Jamia Millia Islamia is having students' bodies from different departments under the mentorship of senior faculty members. These bodies regularly organizes various events on different themes including sustainability. It is a regular feature of the University over a period of times.

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[6] Education and Research (ED)

[6.12] Sustainability Report
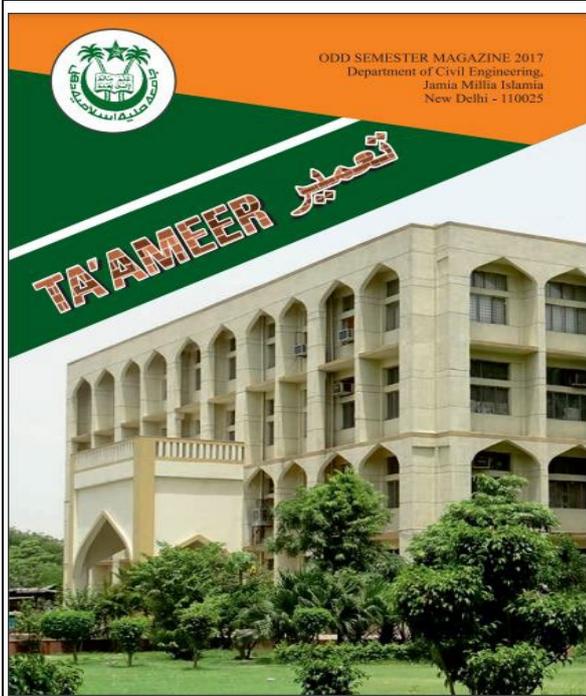
sustainability report of Jamia Millia Islamia

Magazine, Jamia Millia Islamia

Description:

Jamia Millia Islamia is having one of the main focus on sustainability and its various departments follows the define protocols to make its environment sustainable. Lots of departments in JMI regularly organizes workshops/seminars and publish various news letters/magazines.

Statement Reports are available on this link: https://www.jmi.ac.in/civil/magazine

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[6] Education and Research (ED)

[6.14] Number of cultural activities on campus (e.g.Cultural Festival) including virtual activities (if any)
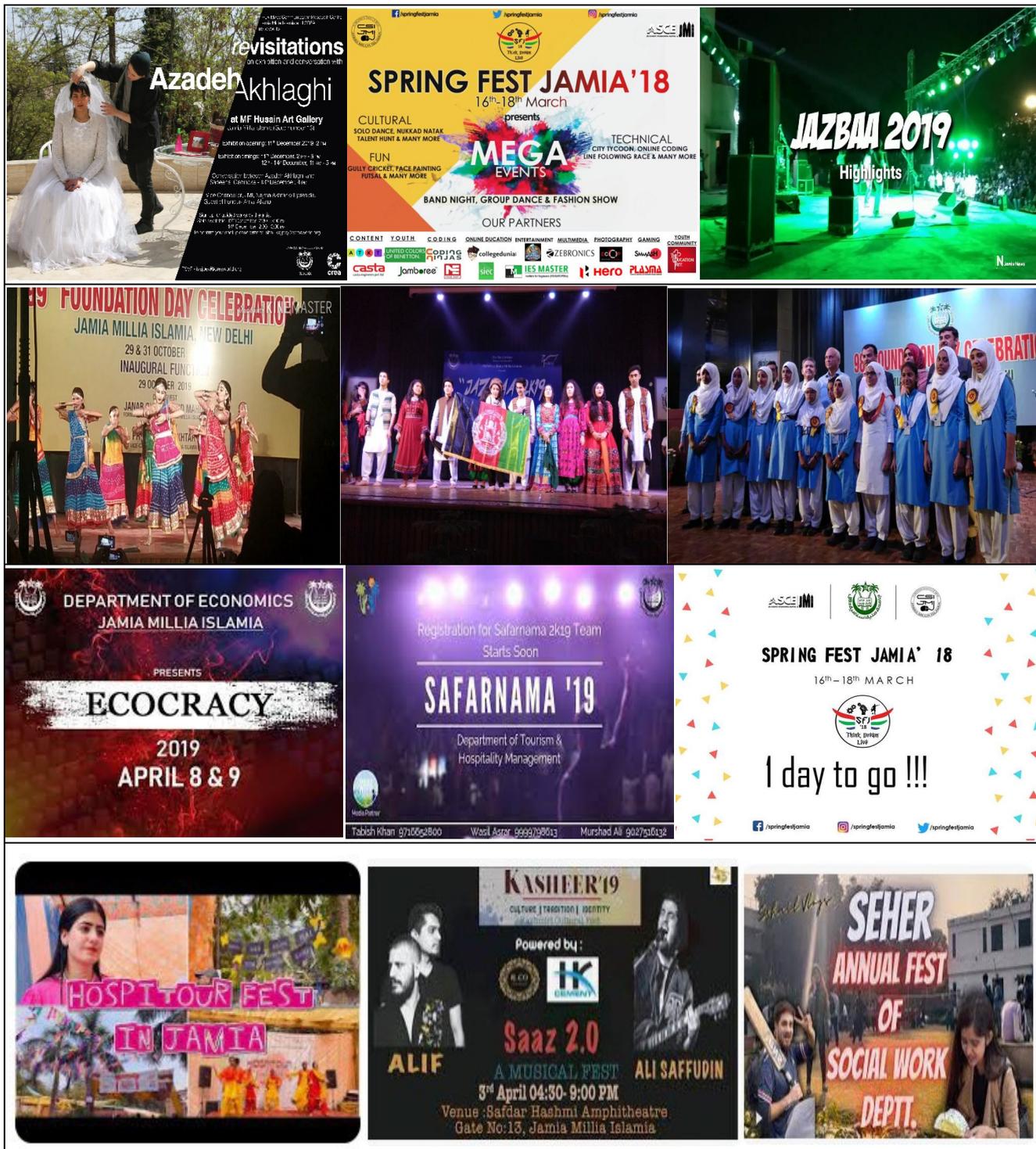
Cultural activities, Jamia Millia Islamia

Description:

101

Total number of cultural activities in Jamia Millia Islamia organized by different departments : more than 30 events per year

Template for Evidence(s)
UI GreenMetric Questionnaire

University   :   Jamia Millia Islamia
Country   :   India
Web Address   :   https://www.jmi.ac.in/

[6] Education and Research (ED)

[6.15] Number of university sustainability program(s) with international collaborations

International conferences/workshops organized by Various departments/centres, Jamia Millia Islamia	International exchange workshops and talks organizd by departments/Centres, Jamia Millia Islamia, under Scheme for Promotion of Academic and Research Collaboration (SPARC), Govt of India.

International workshop on CardioVascular Diseases held under SPARC, Jamia Millia Islamia.

Description:

International conferences on Sustainability
Jamia Millia Islamia has focused on the quality education for all and strive hard to achieve the goal. Frequent conferences, workshops and international exchange programs/ collaborative projects are organized from time to time. In view of the ongoing nanotechnology research, the conference are also focused on the and environmental issued that is recent emerging challenge counteracting for the research on Nanaotechnology.

SPARC projects and workshops on various scientific and social topics/issues
Conferences and workshops relevant to various social issues are conducted on the regular basis in Jamia Millia Islamia.

SPARC Project on Cardio Vascular DIseases
The exponential rise in the sickness and casualities by the cardiovascular disease are the growning challenge for the world. Govt. of India under its SPARC scheme is sanctioned one of the projects on CVD: the insight on

new advance and their application that also includes aspect of basis scientific understanding of the CVD; causes, diagnosis and possible treatment methods that are economically viable by the common world population that are financially weak.

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[6] Education & Research

[6.16] Number of sustainability community services project organized and/or involving students

Project name	participants	Project duration	Project area
Community Extension Events	120	2 Years	SI
Swatch Bharat Abhiyan	4000	15 Day	SI
Plate Garnishes and Simple Carving Techniques for Food Recovery Network	400	4 years	WS
Research Needs & Priorities in Water, Sanitation and Health: University Prospective	25	2 years	WR
Performance Evaluation Study of 14 Ranney Wells	10	1 Years	WR
Desalination and Water Treatment	10	1 Year	WR
Environmental Remediation & Rejuvenation for Sustainability	600	2 days per year	ED

Description:

Jami Millia Islamia place a major role in community services inside the campus and in adjacent areas. The major areas is to educate the socially backward community children's through education awareness, the economically backward areas upliftment. Jamia through its various centre like early childhood, guidance & counselling, HRDC, caters services to the under privileged persons in the society. JMI also extensively organizes the programs for the environmental, recycling, blood tribes in the near by areas. The faculty of dentistry in JMI caters various locations in NCR through its mobile van for dental hygiene care in the society.

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Country   :   India
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[6] Education & Research

[6.17] Number of sustainability-related startups

| No.	Information
1	**Startup name:** Maatritvaa **Startup area: Human Health Activities** **URL:** https://play.google.com/store/apps/details?id=msme.mymsme **Description:** This startup from JMI-CIE is doing excellence in health services. One can have immediate source of information for his/her query through app.
2	**Startup name:** Nirvana Technologies **Startup area : Health and Wellness** **Description:** This startup provides services in the health care management. All the lab related services are available at doorstep through mobile app.
3	**Startup name:** Stettho Health Systems **Startup area : Artificial Intelligence Technology for Hospitals and into agriculture and medicinal use of hemp** **URL:** https://www.jmi.ac.in/ **Description:** This start up from JMI is using high end technology based on Artificial Intelligence in the area of health care, agriculture and medicinal use of hemp.
4	**Startup name:** ZA Care: HVAC and Fire-fighting Solutions **Startup area :** Industrial Safety and Solutions **URL:** https://www.jmi.ac.in/ **Description:** ZA care start up is in the area of HVAC and fire fighting solutions for industrial, commercial and domestic societies high rise buildings. **Photos:** ...
5	**Startup name:** Grabit **Startup area : Online Education** **URL:** https://grabitcourse.com/ **Description:** Grabit is an EdTech startup which is designed to help the students with the online courses. It is available through website as well as mobile application. This startup has been launched by the student of M. Tech. Energy Science under the guidance of Centre for Innovation and Entrepreneurship. **Photos:** ...
6	**Startup name:** Nexus Evergreen Energy Pvt. Ltd. **Startup area :** sustainable energy

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|	
	URL: https://www.jmi.ac.in/ **Description:** Accelerate the promotion of sustainable energy and environmental programs in developing countries and countries in transition. **Photos:** ...
7	**Startup name:** FINFO **Startup area : Media Sustainability** **URL:** https://www.jmi.ac.in/ **Description:** A News aggregator that provides short & bulleted News in text audio (Student of MBA Entrepreneurship under the guidance of CIE)
8	**Startup name:** PFRepo Technologies Pvt. Ltd. **Startup area : Education & Career** **URL:** https://www.jmi.ac.in/ **Description:** PFRepo Technology Pvt ltd is providing solutions to higher education guidance for graduates and career planning for the students from all areas. **Photos:** ...
9	**Startup name:** Harsh Dental Clinic & Implant Centre **Startup area : Multispecialty Dental Clinic** **URL:** https://www.jmi.ac.in/ **Description:** Harsh dental clinic & Implant Centre is a startup initiated by medical graduate of JMI in the area of dentistry. It provides one stop solution for dental hygiene and implant services at nominal rates. **Photos:** ...	
10	**Startup name:** Jamia Dental Clinic **Startup area : Multispeciality Dental Clinic** **URL:** https://www.jmi.ac.in/ **Description:** Jamia Dental Clinic is run by JMI graduate of faculty of dentistry, Dr Anand. This clinic provides multi facial solutions to dental hygiene.	
11	**Startup name:** M & S Dental Clinic **Startup area : M & S Dental Clinic** **URL:** https://www.jmi.ac.in/ **Description:** M & S dental care is run by two medical graduates of faculty of dentistry of JMI. All the services related to dental is look after by this care facility. **Photos:** ...	
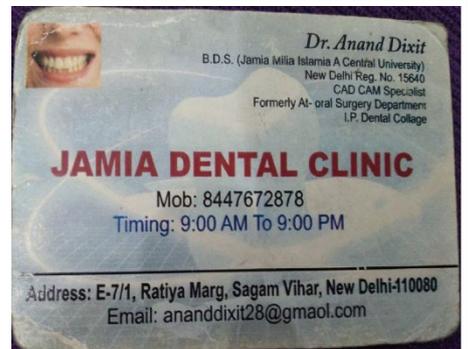
12	**Startup name:** M.M. Dental & Health Care Centre **Startup area : Social Welfare Work** **URL:** ... **Description:** MM Dental & Health care centre provides solutions to all dental problems. It caters to socially backward society in dental hygiene and educate them.	
13	**Startup name:** Zahra Foundation **Startup area : Health and Wellness** **URL: https://zahrafoundation.ca/** **Description:** This startup provides services in the health care management. All the lab related services are available at doorstep through mobile app.	
14	**Startup name:** Amina Dental & Health Centre **Startup area : Multispecialty Dental Clinic** **URL:** https://www.jmi.ac.in/ **Description:** Amina Dental & Health Centre is run by JMI graduate of faculty of dentistry. This clinic provides multi facial solutions to dental hygiene.	
15	**Startup name:** Lifelong Dental **Startup area : Multispecialty Dental Clinic** **URL:** https://www.jmi.ac.in/ **Description:** Lifelong Dental is run by JMI graduate of faculty of dentistry. This clinic provides multi facial solutions to dental hygiene.	
16	**Startup name:** Barqati Dental Care **Startup area : Multispecialty Dental Clinic** **URL:** https://www.jmi.ac.in/ **Description:** Barqati Dental Care provides multi facial solutions to dental hygiene. **Photos:** ...	
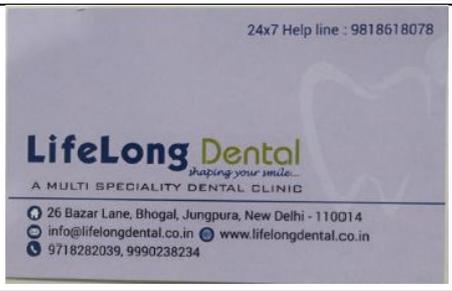
JAMIA MILLIA ISLAMIA

Maulana Mohammad Ali Jauhar Marg, Jamia Nagar, New Delhi-110025