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**GUIDELINES FOR THE USE OF MICROMOBILITY VEHICLES AT UNIVERSITI  
MALAYSIA PAHANG**

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**REGISTRY DEPARTMENT  
UNIVERSITI MALAYSIA PAHANG**

# **GUIDELINES FOR THE USE OF MICROMOBILITY VEHICLES AT UNIVERSITI MALAYSIA PAHANG**

## **1.0 PURPOSE**

The purpose of these guidelines is to provide guidance on the procedures for the use of micromobility vehicles within the Universiti Malaysia Pahang premises.

## **2.0 BACKGROUND**

The demand for the use of micromobility vehicles on campus is increasing, especially in terms of leisure, sports and the need for self transportation for short distances such as to lectures and offices.

The use of micromobility vehicles is also seen as an initiative to support the Green Campus agenda and the use of micromobility vehicles is expected to reduce the amount of carbon emissions on campus.

Therefore, to ensure the safe use of these micromobility vehicles, comply with road regulations and meet the objectives of their use, regulations or guidelines must be established.

## **3.0 INTERPRETATION**

**3.1 “Micromobility Vehicle”** means any vehicle driven by an electrical source, internal combustion engine or human power or a combination of electrical source, internal combustion engine or human power and having a maximum speed of 50 km/h.

**3.2 “Users”** means any individual using a micromobility vehicle within the University premises.

## **4.0 APPLICATION OF GUIDELINES**

**4.1** These guidelines shall apply to any individual within the University premises.

**4.2** These guidelines shall be read and applied together with the provisions of the road traffic law, namely:

- a) Road Transport Act 1987 (Act 333): Road Traffic Rules (Prohibition of Use of Certain Micromobility Vehicles) 2021;

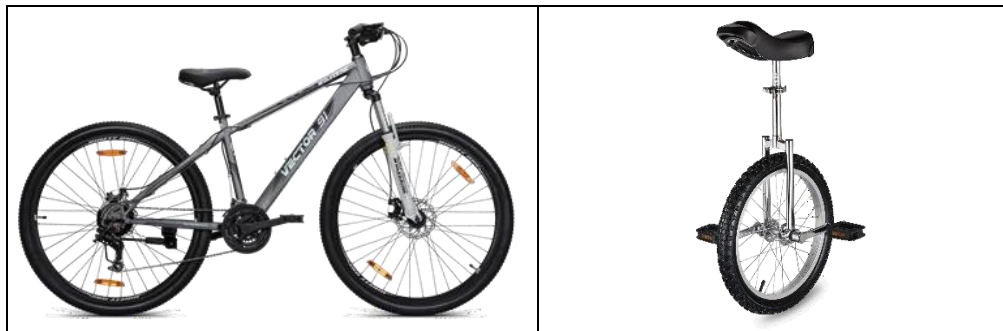
- b) UMP Administrative Circular No. 11 of 2016: Road Traffic Regulations 2016 Universiti Malaysia Pahang;
- c) Universiti Malaysia Pahang Disciplinary Rules (Student Discipline) 2009; and
- d) Other laws in force from time to time.

## 5.0 CATEGORIES OF MICROMOBILITY VEHICLES PERMITTED WITHIN THE UNIVERSITY PREMISES

The following are the categories of micromobility vehicles permitted for use within the University premises:

### a) Bicycles

- i. Vehicles driven by human power;
- ii. have pedals for paddling, acceleration and speed control purposes;
- iii. have one or two seats;
- iv. have one (*unicycle*), two or three (*bicycle or tricycle*) wheels; and
- v. using handlebars and/or limb movements for navigation control.
- vi. Examples of bicycles are as follows:



### b) Electric Bicycle/ e-Bike / *Power Assisted Bicycle (PAB)*

- i) Vehicles driven by human and/or electric power;
- ii) the source of electrical energy is from a battery mounted on any body of the bicycle;

- iii) have pedals and throttles or other devices for acceleration and/or speed control;
- iv) speed limit not exceeding 25 km/h;
- v) have one or two seats; and
- vi) using handlebars and/or limb movements for navigation control.
- vii) Examples of electric bicycle / e-Bikes / *Power Assisted Bicycles* (PABS) are as follows:



### c) Mopeds

- i) Vehicles driven by electric power or an internal combustion engine which volume does not exceed 50 cm<sup>3</sup> or both;
- ii) installed a throttle or other method of acceleration and speed control;
- iii) fitted with a user seat and may also be fitted with a passenger seat;
- iv) have two or three wheels;
- v) equipped with pedals for paddling, whether the pedals are permanently installed or removable;
- vi) unladen weight not exceeding 150 kg; and
- vii) speed not exceeding 50 km/h.

viii) Examples of vehicles are as follows:



**d) *Personal Mobility Devices (PMD) - Human Power***

- i) Vehicles driven by human power;
  - ii) do not have pedals for paddling, acceleration and/or speed purposes;
  - iii) fitted with a seat or a platform to stand on for the user and may also be fitted with a seat or a platform to stand on for the passenger; and
  - iv) navigation control using either handlebars or body motion or limb motion.
- v) Examples of vehicles are as follows:



**e) *Personal Mobility Devices (PMD) - Electric Power Or Internal Combustion Engines***

- i) Vehicles driven by electric power or internal combustion engines having a cylinder volume not exceeding 50 cm<sup>3</sup> or both;
- ii) have throttles or other methods for the purpose of control of acceleration and speed;

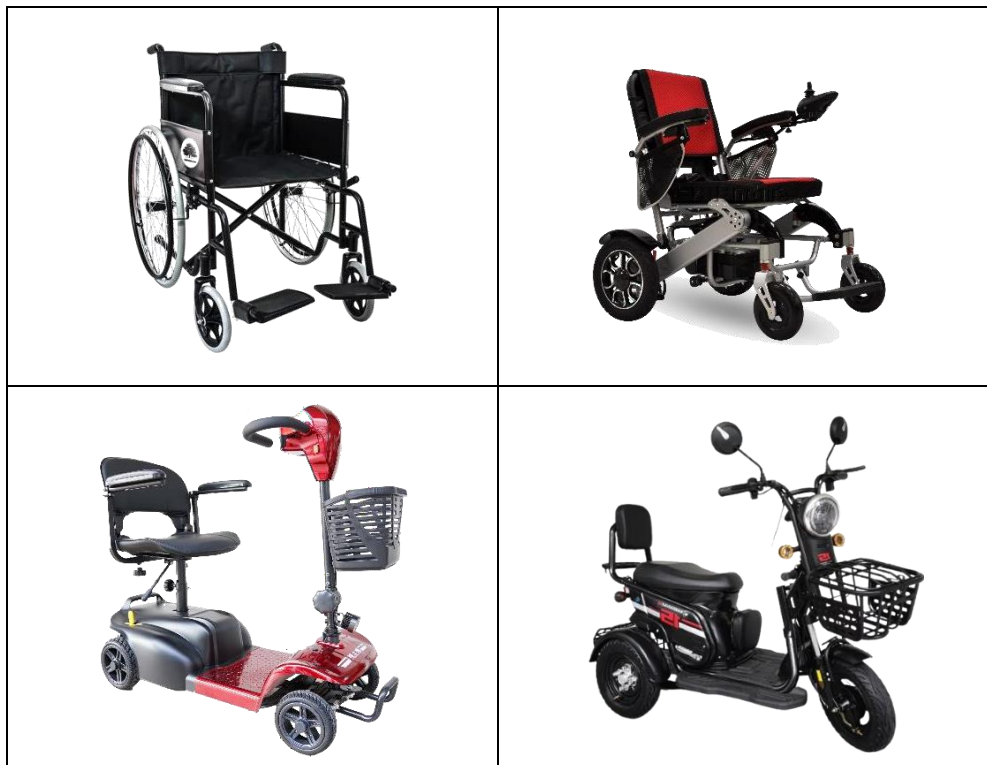
- iii) fitted with a seat or a platform to stand on for the user and may also be fitted with a seat or a platform to stand on for the passenger;
- iv) do not have pedals for paddling, acceleration and/or speed purposes;
- v) navigation control whether using handlebars or body motion or limb motion;
- vi) speed limit not exceeding 25 km/h;
- vii) unladen weight not exceeding 50 kg; and
- viii) the overall width of the vehicles including the vehicle body, equipment and accessories shall not exceed 700 mm.
- ix) Examples of vehicles are as follows:



**f) *Personal Mobility Aids (PMA)***

- i) Vehicles driven by human power or electric power or internal combustion engines having a cylinder volume not exceeding 50 cm<sup>3</sup> or both;
- ii) have throttles or other methods for the purpose of control of acceleration and speed;

- iii) fitted with a user seat and may also be fitted with a passenger seat;
  - iv) navigation control either using handlebars or control sticks;
  - v) speed limit not exceeding 25 km/h;
  - vi) unladen weight not exceeding 50 kg; and
  - vii) the design of the vehicles is built specifically for the use of individuals who are disabled or have mobility problems.
- viii) Examples of vehicles are as follows:



## 6.0 PERMITTED ROUTES FOR THE USE OF MICROMOBILITY VEHICLES WITHIN THE UNIVERSITY PREMISES

The types of routes allowed for the use of micromobility vehicles are as follows:

### a) Roads

- i) Roads are paths, spaces or special lanes that are paved and designed or provided by the University specifically for the use of motor vehicles.
- ii) All roads within the university area are permitted for the use of micromobility vehicles **except *Personal Mobility Aids (PMA)***.
- iii) However, micromobility vehicles using the road should always follow the direction of road traffic and be on the far left side of the road.
- iv) Examples of roads found within the university area are as follows:



### b) Walkways

- i) Walkways can be defined as paths, roads, spaces, sidewalks, special lanes that are paved designed and provided either roofed or unroofed specifically for pedestrian use.
- ii) All walkways located within the university area are permitted for the use of micromobility vehicles **except mopeds**.



- iii) However, users of micromobility vehicles using walkways should always prioritise pedestrians.
- iv) Examples of walkways found within the university area are as follows:



### **c) Emergency Lanes**

- i) Emergency lanes are designed or provided by the University to facilitate rescue agency teams such as the Fire and Rescue Department of Malaysia, Civil Defence Force, ambulance, University Health Centre, Security Division and others to perform tasks or operations in the event of an emergency.
- ii) All emergency lanes within the university premises are permitted for the use of micromobility vehicles.
- iii) However, users of micromobility vehicles using emergency lanes should always prioritise and give way for use by rescue agency teams such as the Fire and Rescue Department of Malaysia, Civil Defence Force, ambulance, University Health Centre, and Security Division.

- iv) Examples of emergency routes found within the university area are as follows:



















#### d) Special Bicycle Lanes

- i) Special bicycle lanes are paths, spaces or special lanes that are designed or provided by the University specifically for the use of motor vehicles.
- ii) All special bicycle lanes within the university premises are permitted for the use of micromobility vehicles **except mopeds**.
- iii) However, users of micromobility vehicles using special bicycle lanes should always prioritise cyclists.
- iv) Examples of special bicycle lanes available in the university area are as follows:



Here is a summary of permissions for use of micromobility vehicles based on permitted routes:

| KATEGORI KENDERAAN MIKROMOBILITI DAN LALUAN YANG DIBENARKAN PENGGUNAANNYA DI UNIVERSITI MALAYSIA PAHANG |  |  |   |  |
|---|--|--|---|--|
| Mikromobiliti<br>Laluan   | Basikal / Power Assisted Bicycle (PAB)   | Moped  | Personal Mobility Device (PMD)  | Personal Mobility Aids (PMA)   |
| Jalan<br>(bahagian paling kiri)   |   |   |   |   |
| Laluan Pejalan Kaki   |   |   |   |   |
| Laluan Kecemasan  |   |   |   |   |
| Laluan Khas Basikal   |  |  |  |  |

## 6.0 SPEED LIMIT

The speed set for the use of micromobility vehicles on special bicycle lanes, emergency lanes and walkways is **not more than 20 km/h** while micromobility vehicles using the road must comply with the speed limit set within the University area, which is **not more than 40 km/h**.

## 7.0 GENERAL REGULATIONS

Each user must comply with the following regulations when using micromobility vehicles within the campus area:

- Only micromobility vehicles listed in these Guidelines are permitted for use within the University premises.
- Users are prohibited from using mobile phones while using micromobility vehicles.
- The user shall stop and observe the traffic conditions before crossing the road.

- d) Users shall give priority to people with disabilities (OKU), pedestrians and vehicles of rescue agency teams such as the Fire and Rescue Department of Malaysia, Civil Defence Force, ambulances, University Health Centres and Safety Divisions.
- e) Users shall comply with the micromobility vehicle speed limits allowed at the University and slow down when close to other road users.
- f) Users shall push micromobility vehicles used when passing through crowded places or routes that are not permitted for micromobility vehicles.
- g) Users should always be close to the far left side of the road except when overtaking.
- h) Users shall ensure driving at a safe distance from other road users.
- i) Users shall ensure that they are easily visible to other road users.
- j) Users should wear appropriate personal protective equipment.
- k) Users should always use hand signals when turning or changing lanes.
- l) Users shall not behave in any manner or do any act that obstructs or interferes with the smooth and orderly flow of traffic within the University premises.
- m) Users shall ensure that the used micromobility vehicle is parked or stored in the proper place.
- n) The security authorities reserve the right to prohibit any owner of a micromobility vehicle from using it on campus in case of violation of any regulations.
- o) Administrative Circular No. 11 of 2016: The Universiti Malaysia Pahang Road Traffic Regulations 2016 is extended for the use of micromobility vehicles in the University premises and applies to the extent applicable to micromobility vehicles.

## **8.0 EXCEPTION**

The University shall have the power at any time to change the permission for the use of roads/routes or micromobility vehicles in the University premises for any specific events, programmes or activities carried out within the University premises.

## **9.0 AMENDMENTS**

Amendments to these guidelines may be made from time to time subject to the approval of the University's Top Management.

The effective date of application of this regulation is the same day it is approved at the University Management Committee Meeting.

## **10.0 ENFORCEMENT**

The effective date of these Guidelines is the same day it is approved at the University Management Committee Meeting.