

# WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

## FACULTY OF ELECTRONICS, PHOTONICS AND MICROSYSTEMS

### 3D printing task

Topic: „Design and Manufacturing Weather Station Elements “

#### Goal:

The goal of the project is to design and manufacture elements of a weather station. Individual parts will be made by the using of 3D printing technology (FDM, DLP) so that they can create a single whole. Various blades for a wind turbine, mechanical parts (e.g. bearing), and housing for electronic components will be designed.



#### The following sub tasks will be due:

- Defining the functionality and physical requirements (geometry)
- Creating a 3D model using CAD software (Autodesk Inventor)
- Selecting appropriate 3D printing methods and materials
- Print the main model
- Verify working property

Responsible

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