```
from PyQt5.QtGui import *
from PyQt5.QtCore import *
from qgis.core import *
from qgis.utils import *
from osgeo import ogr,osr
import numpy as np

#punkty do wpisania - 4
pkt=np.zeros((4,2),float)
pkt[0,0]=438700;pkt[0,1]=706400
pkt[1,0]=440260;pkt[1,1]=706400
pkt[2,0]=438700;pkt[2,1]=705500
pkt[3,0]=440260;pkt[3,1]=705500
print(pkt)

driver=ogr.GetDriverByName('ESRI shapefile')

workPath = "B:\\Python_QGIS\\aQGIS_Hel_2018\\Jacka\\moje_J\\D3\\"
nazwa_new = "poligon_nowe"
shp_new=workPath + nazwa_new + ".shp"
prj_new=workPath + nazwa_new + ".prj"

#tworzenie pliku prj
coor_sys = osr.SpatialReference()  #obiekt klasy SpatialReference
coor_sys.ImportFromEPSG(2180)

coor_sys.MorphToESRI()
f_prj = open(prj_new,'w')
f_prj.write(coor_sys.ExportToWkt())
f_prj.close()

#tworzenie pustej warstwy i pol atrybutow
dataSource=driver.CreateDataSource(shp_new)  #type: osgeo.ogr.DataSource
if dataSource is None:
    print("upss")
else:
    print("Data source OK")

vlayer=dataSource.CreateLayer(nazwa_new,coor_sys,geom_type = ogr.wkbPolygon)  #class
'osgeo.ogr.Layer'
field_def = ogr.FieldDefn("IDD",ogr.OFTInteger)
vlayer.CreateField(field_def)

#tworzenie "zmiennej feature"
feature_def = vlayer.GetLayerDefn()  #typ warstwy i jakie sa atrybuty
feature = ogr.Feature(feature_def)

poly_geom = ogr.Geometry(ogr.wkbPolygon)
ring = ogr.Geometry(ogr.wkbLinearRing)   #pusta geometria
for i in range(4):
    x = pkt[i,0]
    y = pkt[i,1]
    ring.AddPoint(x,y)
poly_geom.AddGeometry(ring)
feature.SetGeometry(poly_geom)
feature.SetField('IDD',1)
vlayer.CreateFeature(feature)

feature.Destroy()
dataSource = None
print("OK")
```