

# ROBOTIKA

**DDM Junior**

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# Co může patřit do robotiky?

- Domácí vysavač
- Chytrá lednička
- Létající drony, autonomní letouny/automobily
- Jezdící krabice
- Speciální elektronika

# Čemu se věnujeme?

- Programování

# Programování

The image displays a Linux desktop environment with a graphical application window titled "Lorris v399" and a terminal window below it.

The "Lorris v399" window features a menu bar with "Soubor" and "Nápověda", and a toolbar with "Připojit", "Nový zdroj", "Otevřít", "Uložit", "Uložit jako", "Změnit strukturu", and "Vymazat data". The main area contains several control panels:

- reset**: Resetovat vzdálenost
- clear**: Resetovat clear flag
- Status**: Shows "0x0: OK" in a green bar.
- Startu [S]**: Stop
- Otočení**: A circular gauge with a needle.
- Gain**: A vertical slider bar.
- rychlost**: A digital display showing "0".
- Zrychlení**: A digital display showing "0".
- Graf**: A line graph with two data series (red and blue) plotted against a time axis from 800 to 1800. The y-axis ranges from -100 to 100.
- Ujetá vzdálenost**: A digital display showing "-17867".

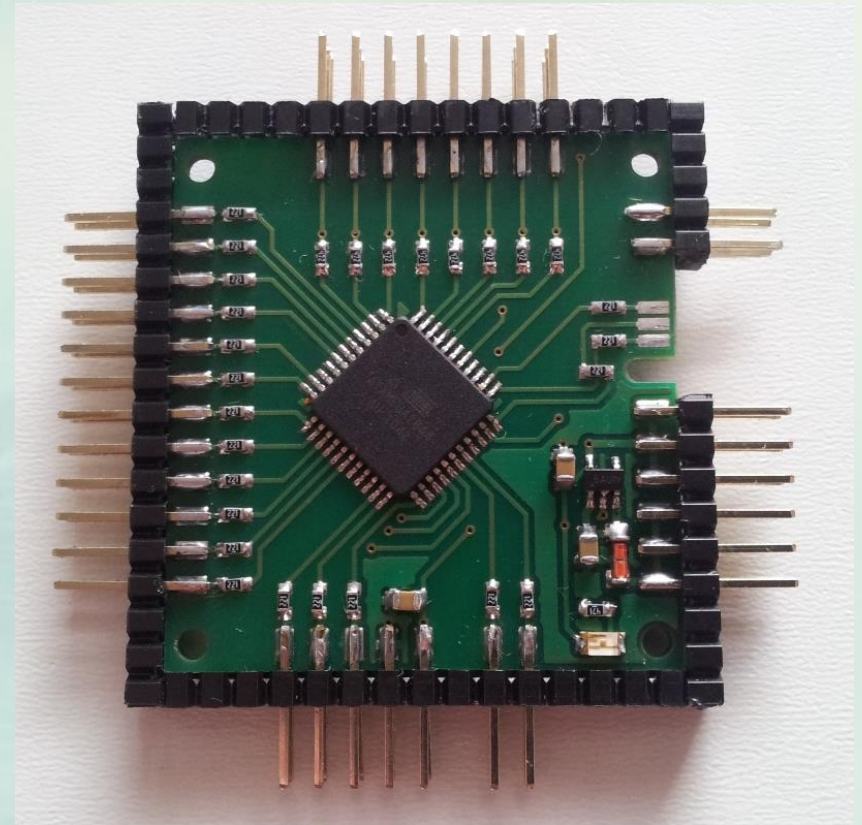
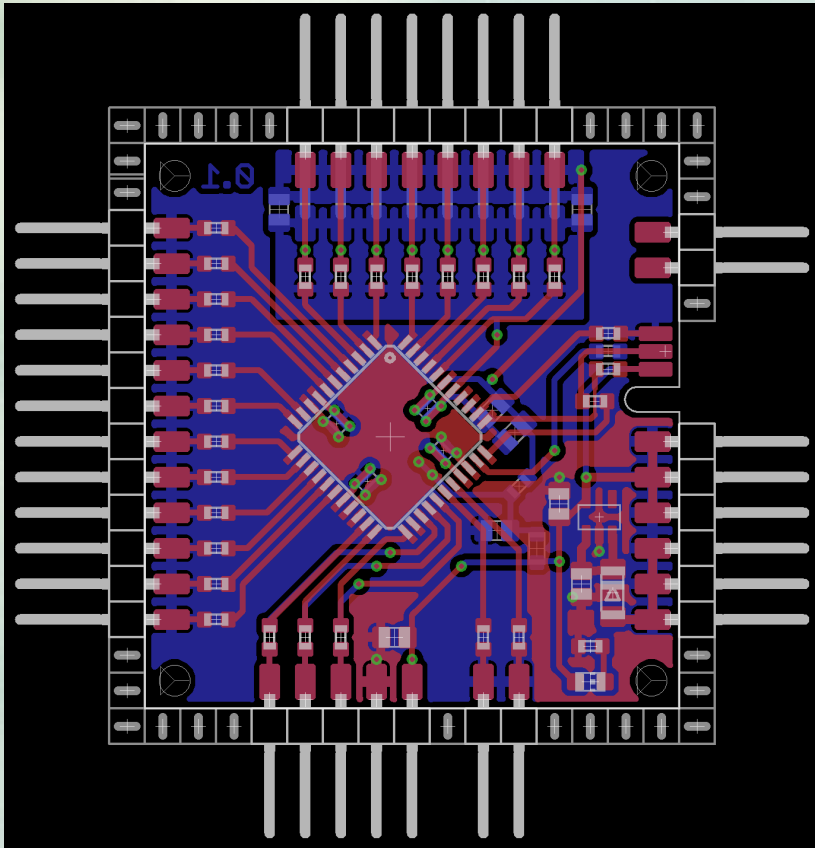
The terminal window shows the execution of a script, with output including:

```
./usr/bin/install -c -m 644 /usr/local/share/wine/1.anti.mtd
./usr/bin/install -c -m 644 ./wine_desktop /usr/local/share/applications/wine_desktop
update-desktop-database
Error in file "/usr/share/applications/gpl-gt_desktop": "app/gg" is an invalid MIME type ("app" is an unregistered media type)
Warning in file "/usr/share/applications/generic_desktop": usage of MIME type "zz-application/zz-winnasoc-cls" is discouraged ("zz-application/zz-winnasoc-cls" should be replaced with "application/vnd.as-escal")
./usr/bin/install -c -m 644 /usr/local/bin/wineaster
base11: Leaving directory /home/tassadar/wine-gtk/tools
./usr/bin/install -c -m 644 widl_bin /usr/local/share/man/man1/widl.1
./usr/bin/install -c widl /usr/local/bin/widl
base11: Leaving directory /home/tassadar/wine-gtk/tools/widl
base11: Entering directory /home/tassadar/wine-gtk/tools/winebuild
./usr/bin/install -c -m 644 winebuild_bin /usr/local/share/man/winebuild.1
./usr/bin/install -c winebuild /usr/local/bin/winebuild
base11: Leaving directory /home/tassadar/wine-gtk/tools/winebuild
base11: Entering directory /home/tassadar/wine-gtk/tools/winedump
./usr/bin/install -c -m 644 winedump_bin /usr/local/share/man/winedump.1
./usr/bin/install -c winedump /usr/local/bin/winedump
./usr/bin/install -c /function_grep.pl /usr/local/bin/function_grep.pl
base11: Leaving directory /home/tassadar/wine-gtk/tools/winedump
base11: Entering directory /home/tassadar/wine-gtk/tools/winegcc
./usr/bin/install -c -m 644 winegcc_bin /usr/local/share/man/winegcc.1
./usr/bin/install -c winegcc /usr/local/bin/winegcc
cd /usr/local/bin && rm -f winegcc && ln -s winegcc winegcc
cd /usr/local/bin && rm -f winegcc && ln -s winegcc winegcc
cd /usr/local/share/man && rm -f winegcc.1 && ln -s winegcc.1 winegcc.1
cd /usr/local/share/man && rm -f winegcc.1 && ln -s winegcc.1 winegcc.1
base11: Leaving directory /home/tassadar/wine-gtk/tools/winegcc
base11: Entering directory /home/tassadar/wine-gtk/tools/wec
./usr/bin/install -c -m 644 wec_bin /usr/local/share/man/wec.1
./usr/bin/install -c wec /usr/local/bin/wec
base11: Leaving directory /home/tassadar/wine-gtk/tools/wec
base11: Entering directory /home/tassadar/wine-gtk/tools/wrc
./usr/bin/install -c -m 644 wrc_bin /usr/local/share/man/wrc.1
./usr/bin/install -c wrc /usr/local/bin/wrc
base11: Leaving directory /home/tassadar/wine-gtk/tools/wrc
tassadar@ygeria:~$ wine-gtk winegcc
base11: Entering directory /home/tassadar/wine-gtk/tools/winegcc
base11: Leaving directory /home/tassadar/wine-gtk/tools/winegcc
base11: Entering directory /home/tassadar/wine-gtk/tools/wec
base11: Leaving directory /home/tassadar/wine-gtk/tools/wec
base11: Entering directory /home/tassadar/wine-gtk/tools/wrc
base11: Leaving directory /home/tassadar/wine-gtk/tools/wrc
tassadar@ygeria:~$ wine-gtk
```

# Čemu se věnujeme?

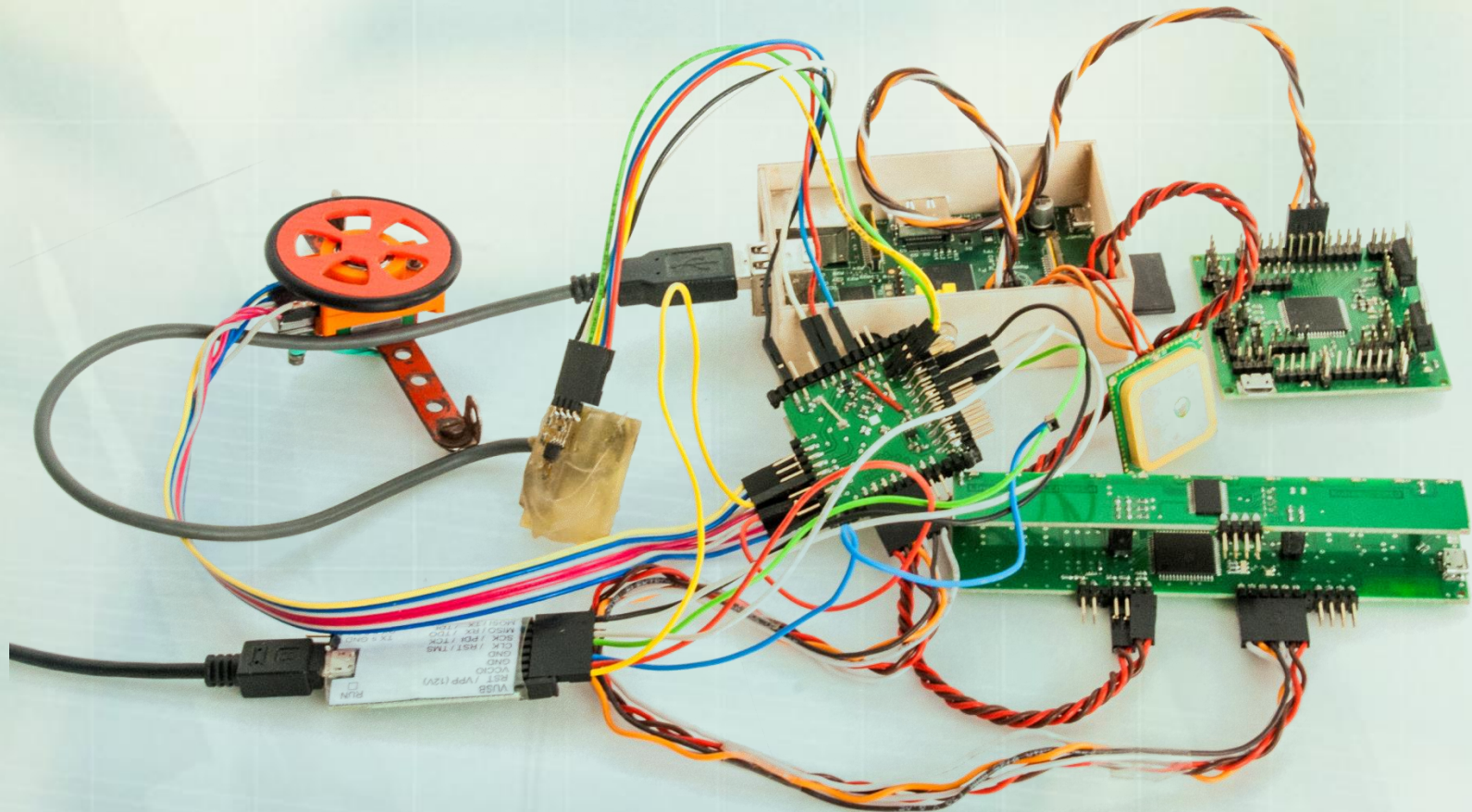
- Programování
- Vývoj elektroniky všeho druhu

# Elektronika (1)





# Elektronika (2)



# Čemu se věnujeme?

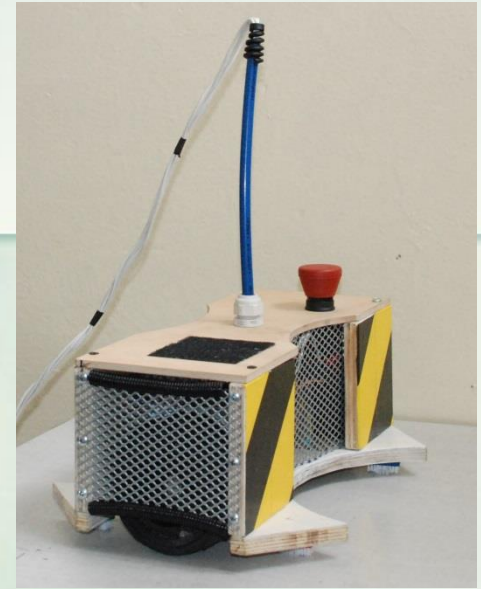
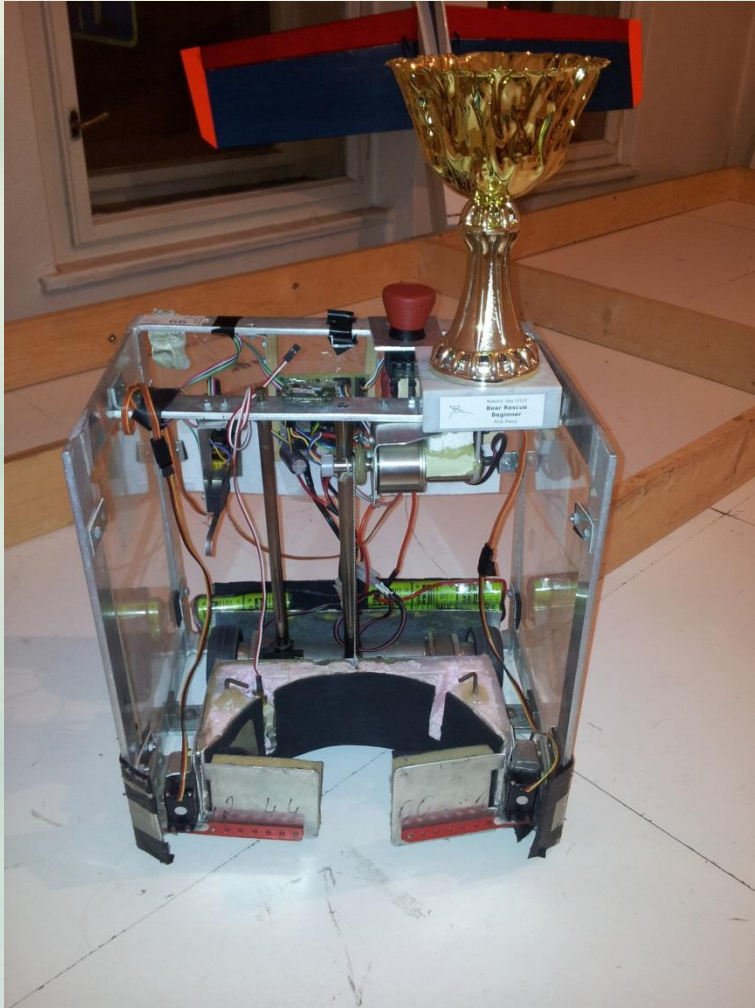
- Programování
- Vývoj elektroniky všeho druhu
- Hardware (mechanika)



# Hardware (1)



# Hardware (2)



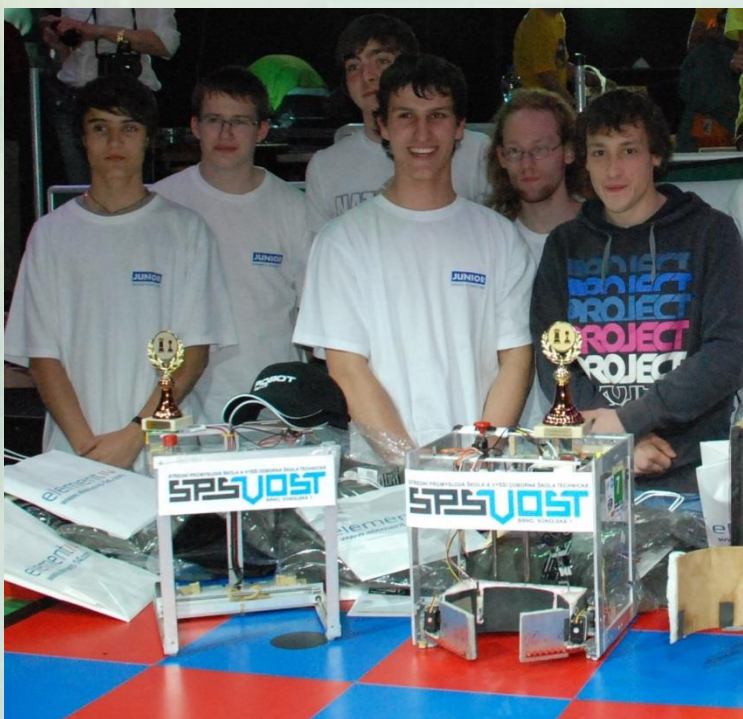
# Čemu se věnujeme?

- Programování
- Vývoj elektroniky všeho druhu
- Hardware (mechanika)
- Robotické soutěže
- Středoškolská odborná činnost (SOČ)



# Soutěže

- Robotické soutěže
- Středoškolská odborná činnost



# Co máme k dispozici?

- Kompletně vybavenou dílnu
- Zařízení na vývoj (pájky, osciloskop, programátory, softwarové vybavení, atd.)
- Roky praxe o které se rádi podělíme
- Zapálení pro věc
- Otevřené dveře 😊



# Děkuji za pozornost

## Kontakt

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