

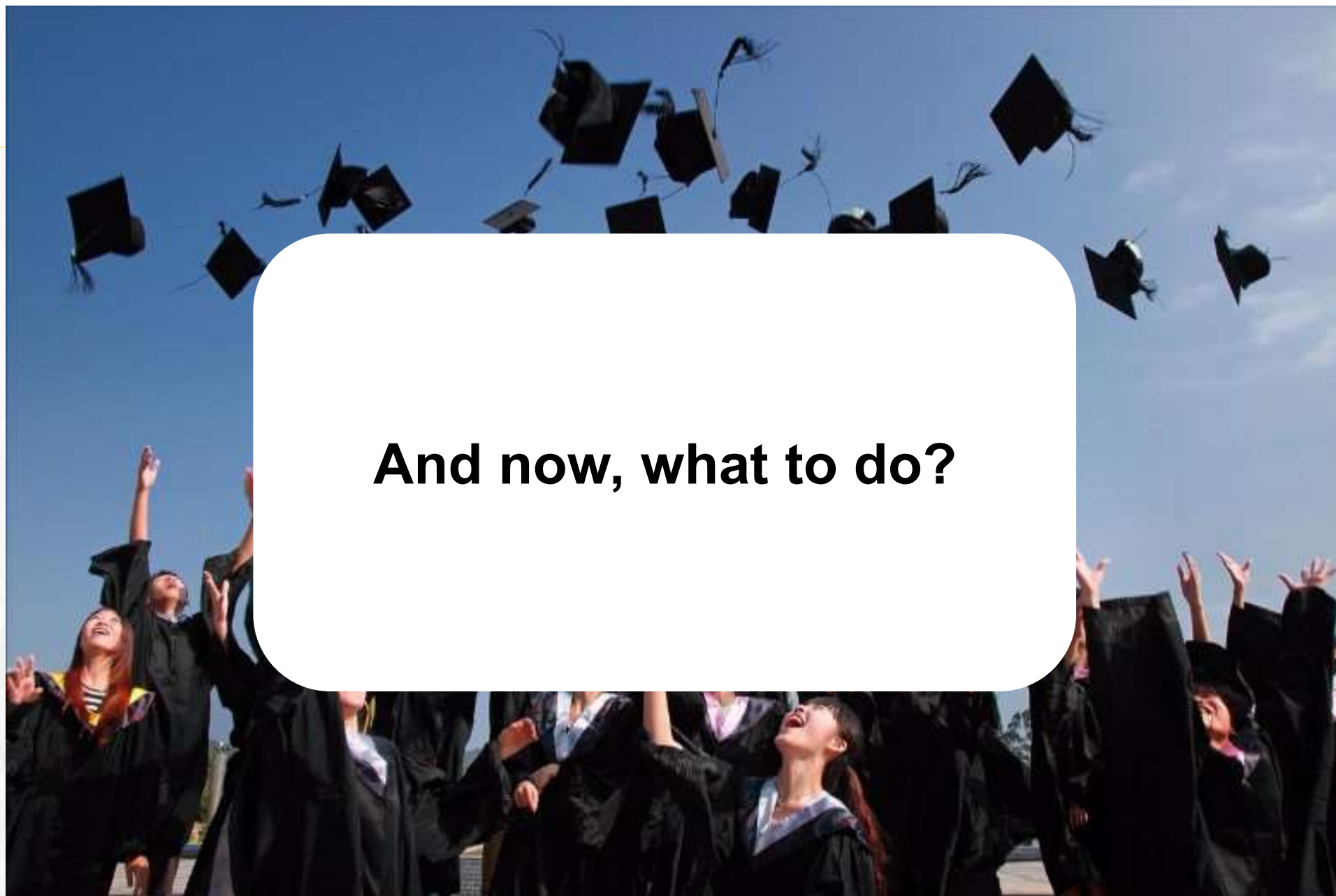
110 anos

UTFPR UNIVERSIDADE
QUE TRANSFORMA

Academic Career: Different Opportunities for Young Researchers

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And now, what to do?

WHICH WAY?





Academic career

Many diferente themes
and areas of research...

What are the main
needs in
today's society?

What about in yours?

Applied / empirical
Theoretical studies

- ▶ **Observe.....**
- ▶ **... identify problems....**
- ▶ **Do they have a solution already?**
- ▶ **Can I propose a better solution?**
- ▶ **Be creative!**

Think about these examples....





Open Data



Internet of Things



Smart Agriculture



Smart Retail



Smart Home



Smart Mobility



Education



SMART LIVING

Smart Health

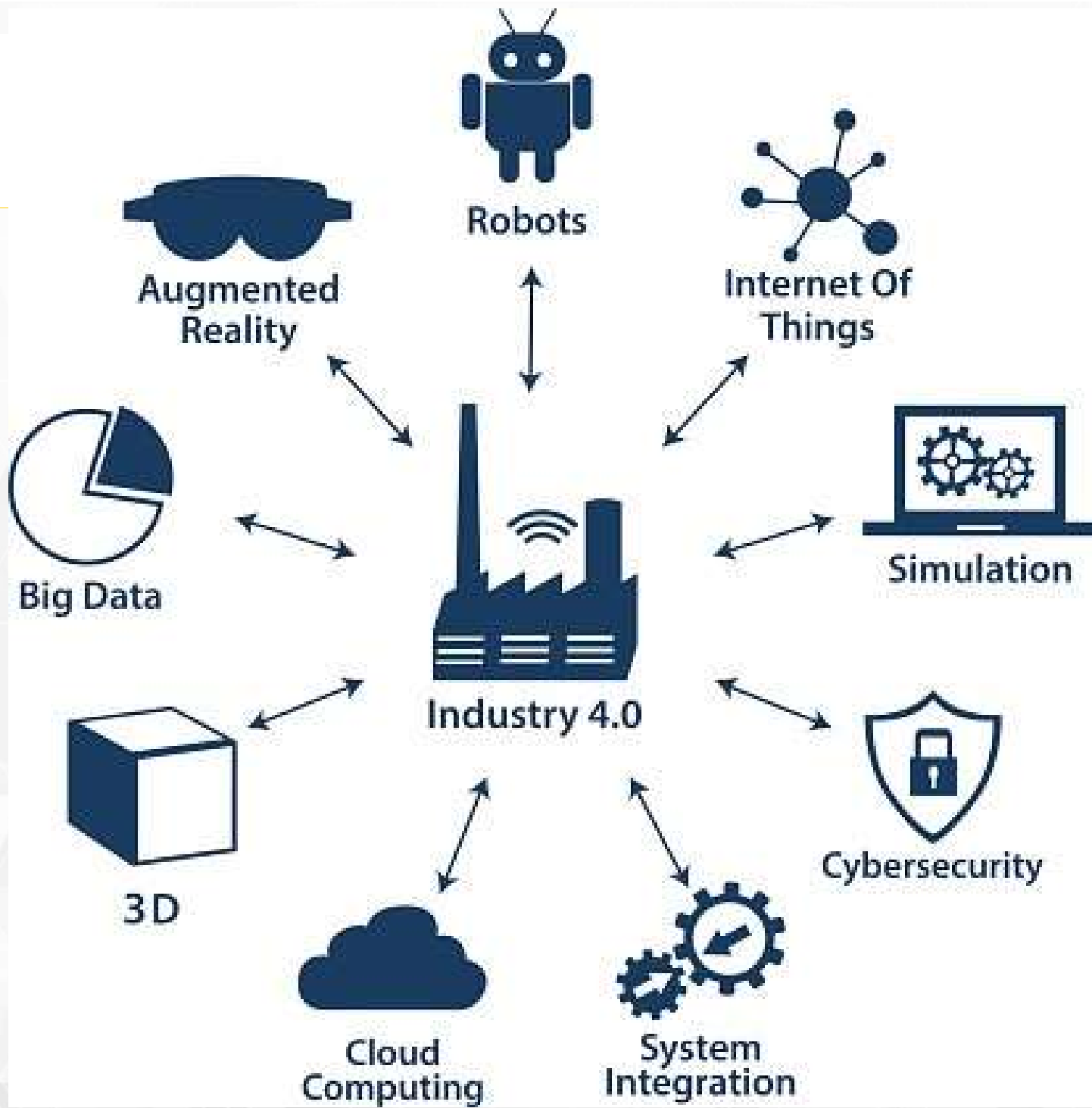


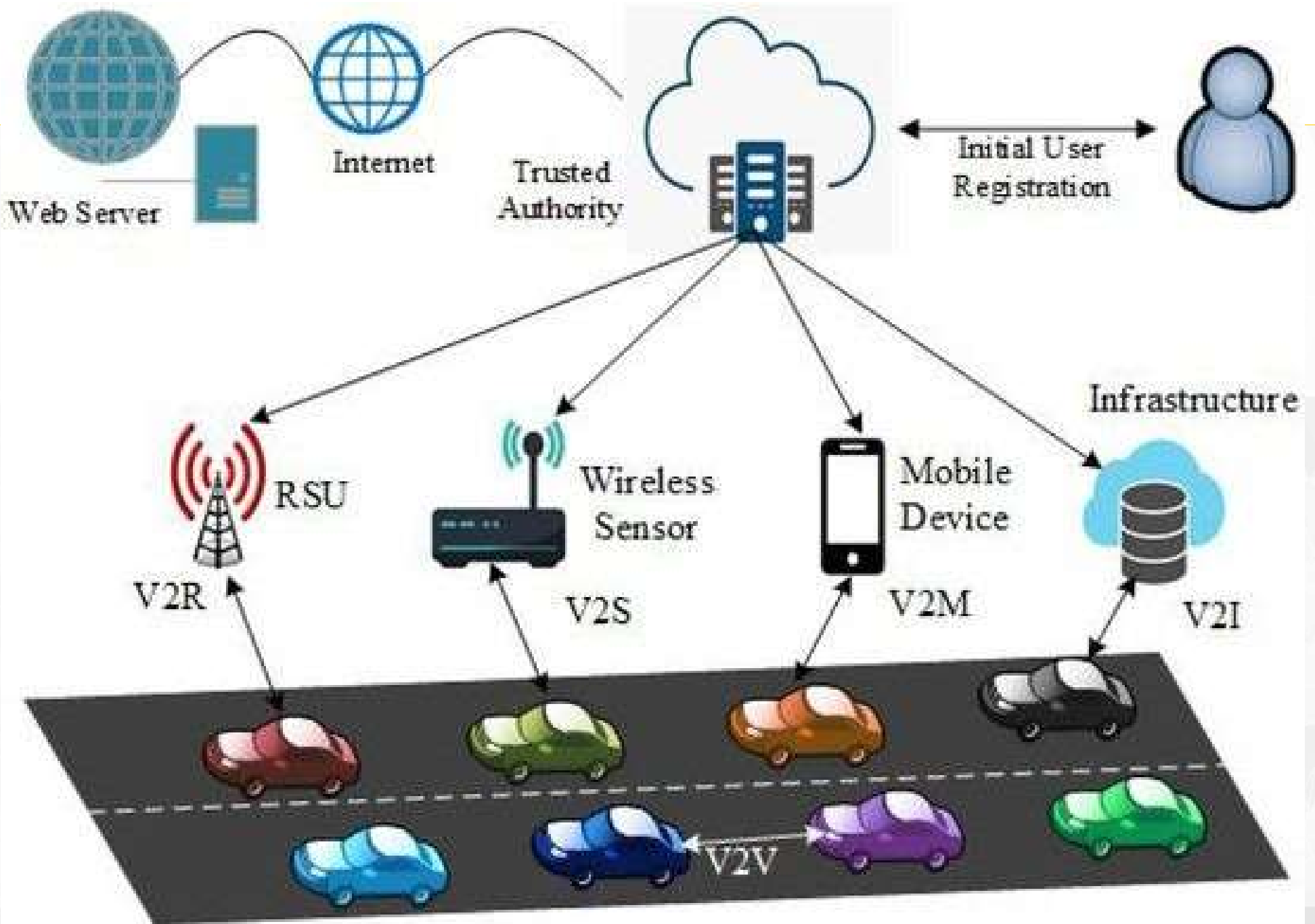
Smart Government



Smart Grid/
Smart Energy

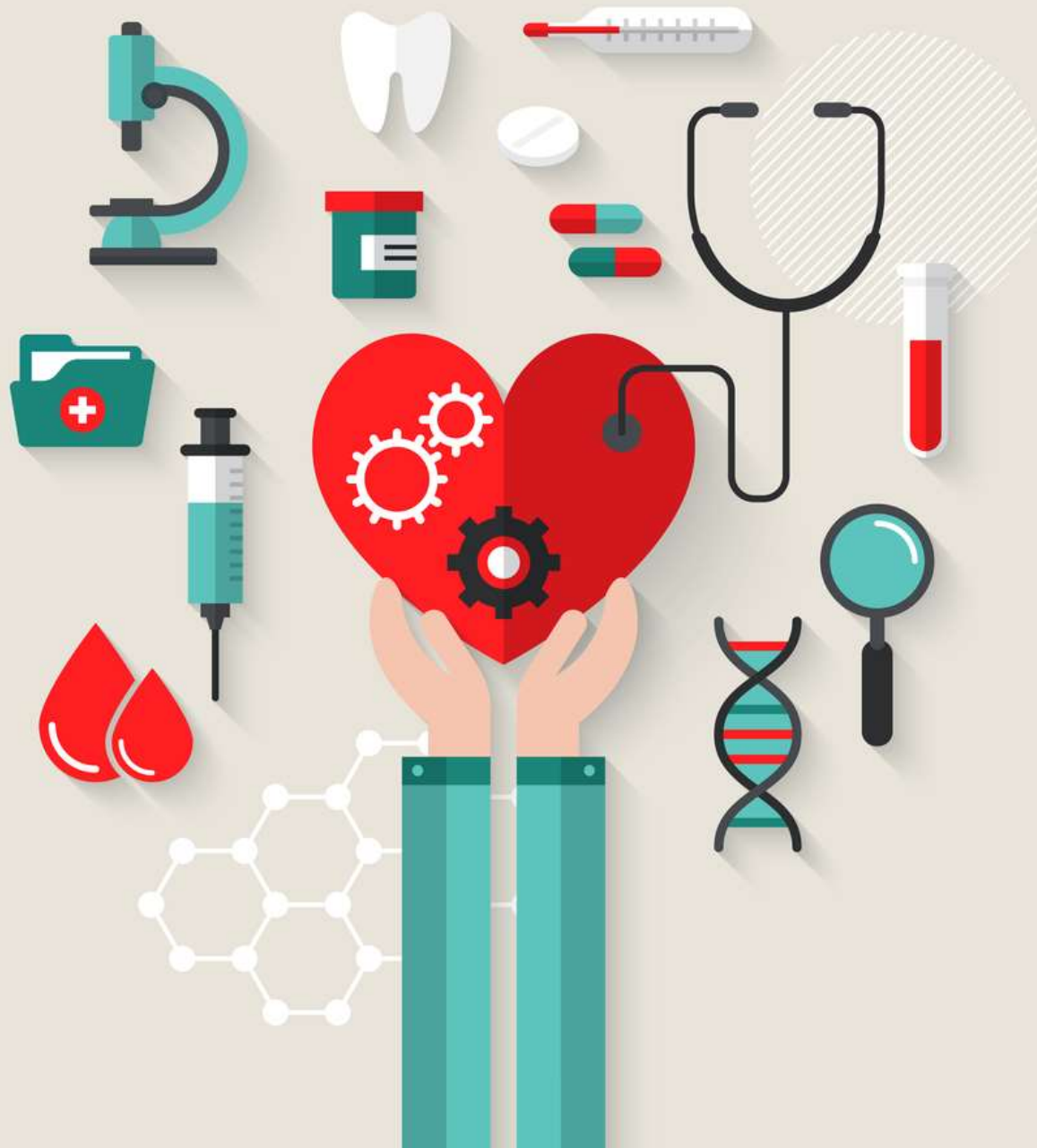








$U = \epsilon B$
 $R_1 = 13,50 \Omega$
 $R_2 = 30 \Omega$
 $R_3 = 20 \Omega$
 $F_A = \rho g V$
 $w = D$
 $w = 0$
 $w = \frac{y}{B} \omega$
 $w = 0$
 $P = \bar{S}$
 $w = \frac{mgL}{J}$
 $x = \rho \cos \varphi, y = \rho \sin \varphi$
 $T = \frac{2\pi}{\omega} = 2\pi \sqrt{\frac{mgL}{J}}$
 $x - x_n = 0$
 $\rho = \sqrt{x^2 + y^2}$
 $g = \frac{h}{g - s_m} \rightarrow ?$
 $x' = x_0 + mt'$
 $y' = y_0 + nt'$
 $z' = z_0 + pt'$
 Formula for's
 $1) T = \frac{t}{r}$
 $2) v = \frac{t}{r}$
 $3) T = \frac{t}{r}$
 $4) T = \frac{2\pi r}{v}$
 $5) v = \frac{2\pi r}{T}$
 $6) v = \frac{v}{2\pi r}$
 Physics - 10
 Resistance
 $w = BC \dot{w} = 0$
 $w = D$
 $z w = A$
 $\frac{dx}{dt} + \gamma \frac{dy}{dt} = 0$
 $I = \frac{U}{R}$
 $\frac{2\pi r}{v}$
 $\sum_{n=0}^{\infty} \exp(-nDw/kT)$
 Resistance light lower
 $R = \frac{\rho L}{S}$
 $S = ?$
 $\frac{Am + Bn + Cp}{\sqrt{m^2 + n^2 + p^2} \cdot \sqrt{A^2 + B^2 + C^2}}$



- ▶ **Choose a line of research**
- ▶ **A institution (in case you do not have one already)**
- ▶ **An advisor that matches your interests and his/hers (in case you do not have one already)**
- ▶ **Start reading and exploring all you can about the theme**
 - **A systematic review of literature will help you find a gap**

Find a scholarship.....

- ▶ <https://www.scholars4dev.com/category/scholarships-list/>
- ▶ <https://www.goabroad.com/articles/scholarships-abroad/scholarships-for-study-abroad-around-the-world>
- ▶ <https://www.internationalstudent.com/scholarships/>
- ▶ <https://www.gcub.org.br/>

Thank you very much!

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