

Chapter 6: STEM

New Words

Adapt (V): /ə'dæpt/

Change, make suitable for a new purpose/use:

Many software companies **have adapted** popular programs to the new operating system.

We had to **adapt** our plans to fit the professor's timetable.

Children **adapt** very easily to the post-COVID conditions.

It took me a while to **adapt** to the new job.



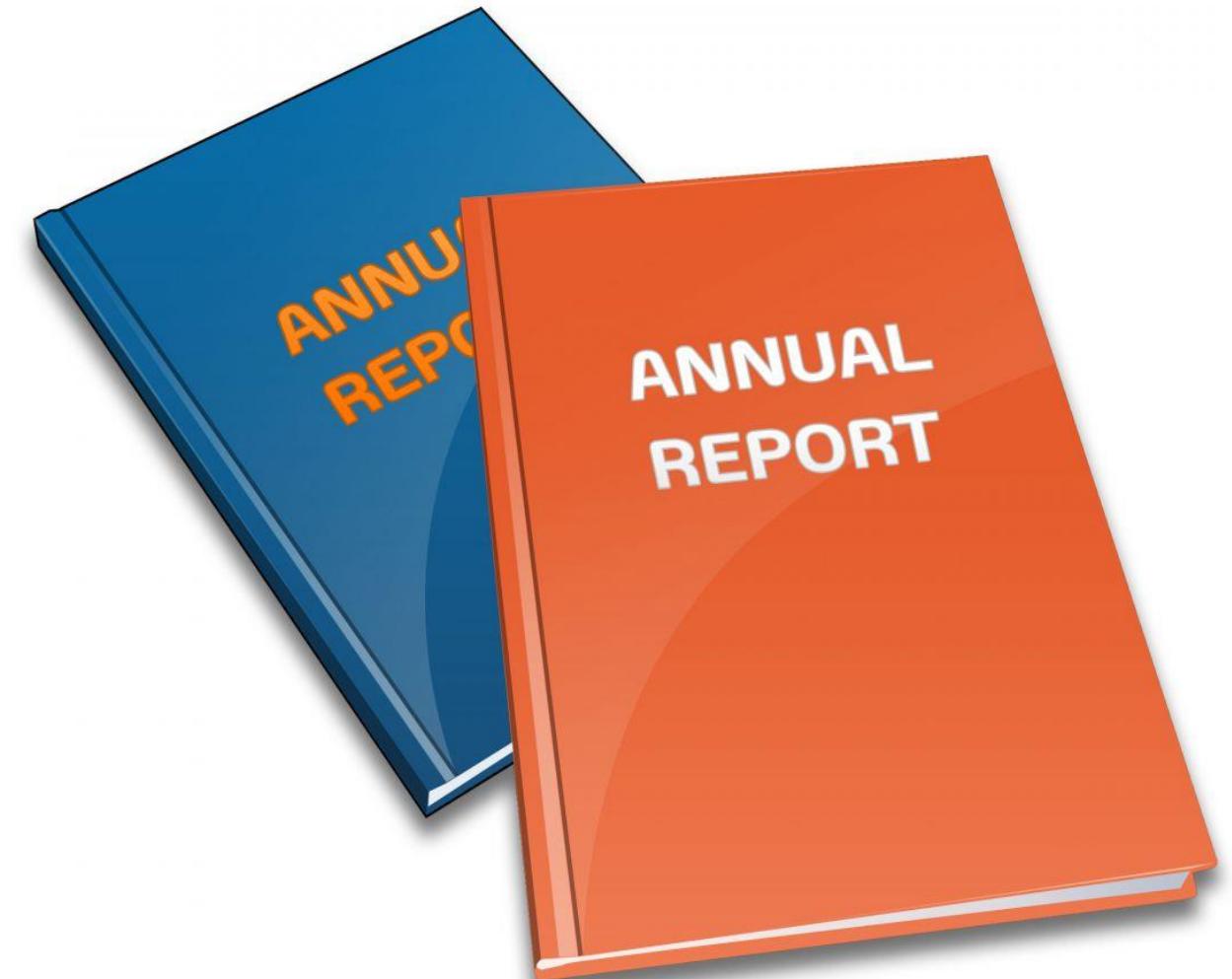
Annual (Adj): /'æn.ju.əl/

Happening once every year:

An **annual** event/visit/income/profit

Companies publish **annual** reports to inform the public about the previous year's activities.

The average **annual** rainfall in this region is 750 mm.





Graduate degree



Broaden (V): /'bra:.dən/

1. To make wider:

We **are broadening** the bridge to speed up the flow of traffic.

2. To increase the range of something:

We plan to **broaden** our range of products and services.

Mike **is broadening** his experience at work!



Bureau (N): /'bjur.ou/

An office or department for transacting particular business.

A news **bureau**

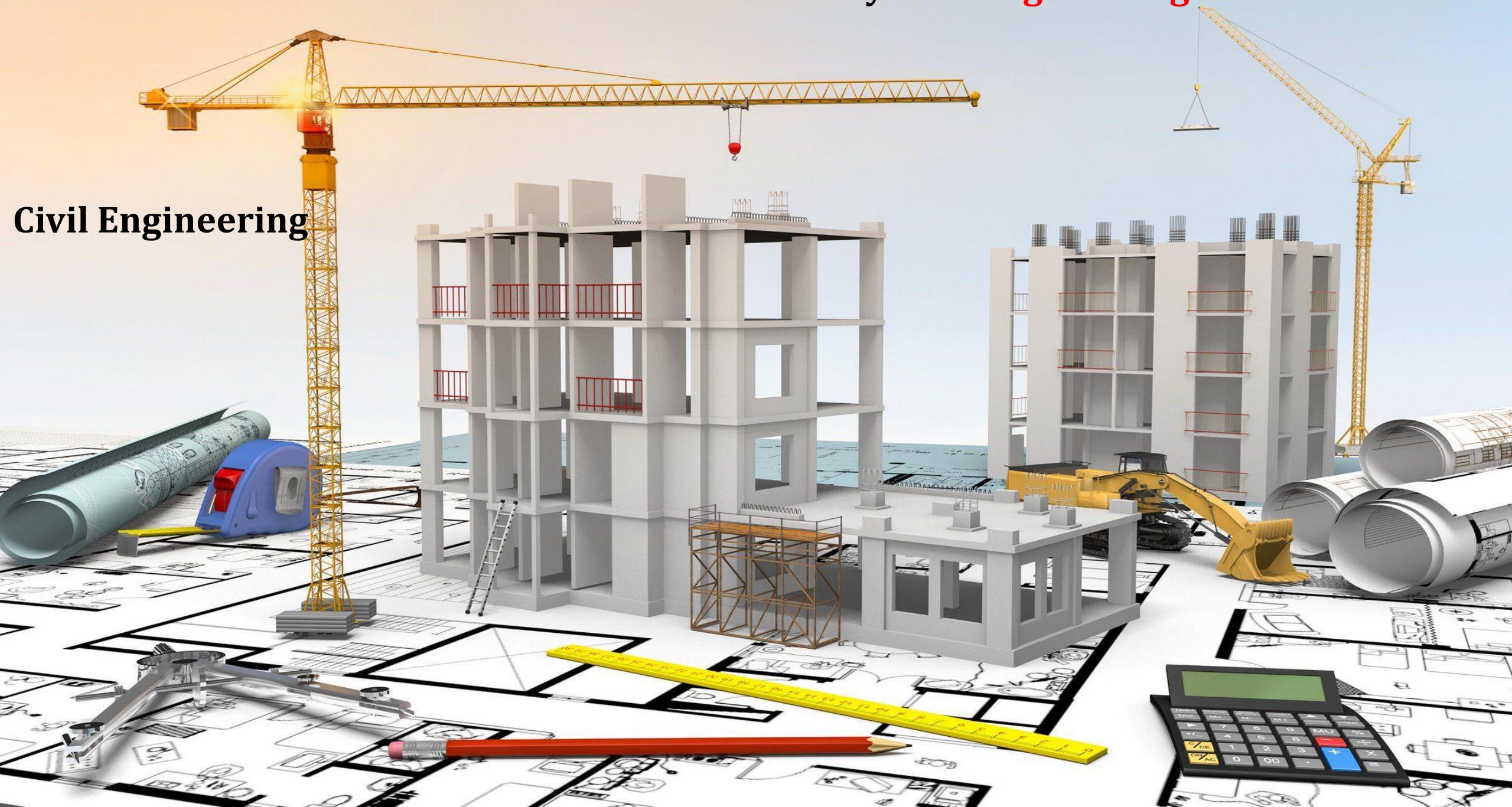
The actor's disappearance was reported to the police department's Missing Persons **Bureau**.

Purl is joining the **bureau** of statistics.



Paria and Mohammad study Civil Engineering at AUT.

Civil Engineering



Collaboration (N): /kə'læbə'reɪʃən/

The act of two or more people working together:

The two playwrights worked in close **collaboration** (with each other) on the script.

The new airport is a **collaboration** between two of the best architects in the country.

Sense of **collaboration** among the players



Colleague (N): /'kə:lɪ:g/

Co-worker:

I don't know anything about this, but I'm sure my **colleague** here can help you.

Please read this memo carefully and hand it on to your **colleagues**.

Nima's **colleagues** became suspicious when he did not appear at work since he was always punctual.

Farhard and Davoud are **colleagues**.



Conflict (N): /'ka:n.flɪkt/

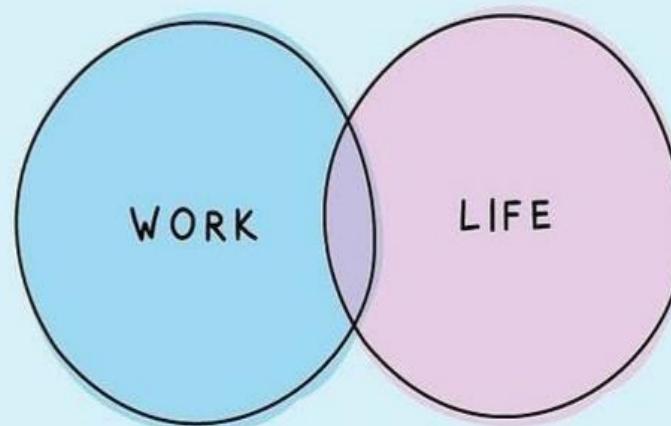
An active disagreement:

There was a lot of **conflict** between the father and the son.

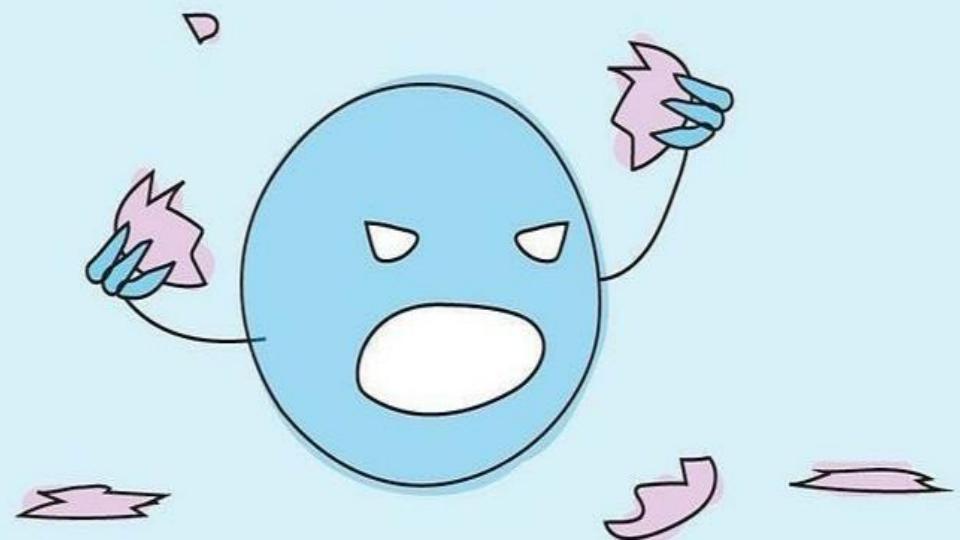
The minister's outspoken views would frequently bring him into **conflict** with the president.

Work-life **conflicts** during pandemic

PRE - PANDEMIC



NOW



Contractor (N): /kən'traktə/

a person or firm that undertakes a contract to provide materials or labor to perform a service or do a job.

The school meals service is provided by private **contractors**.



Convey (V): /kən'vee/

Express, communicate, transfer:

Please **convey** our condolences to the family.

I tried to **convey** in my speech how grateful we all were for his help.

Few journalists have managed to **convey** the full horror of the situation.

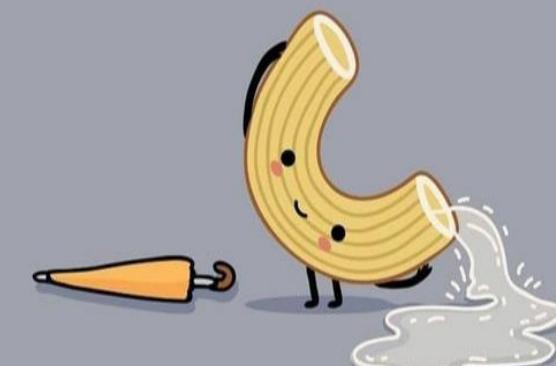
Words alone cannot **convey** the untold misery endured by people in these refugee camps.

This picture **conveys** infinite kindness.

YOU SHOULD USE THE UMBRELLA, MOM.



MOMMY DOESN'T GET WET WHEN IT RAINS.



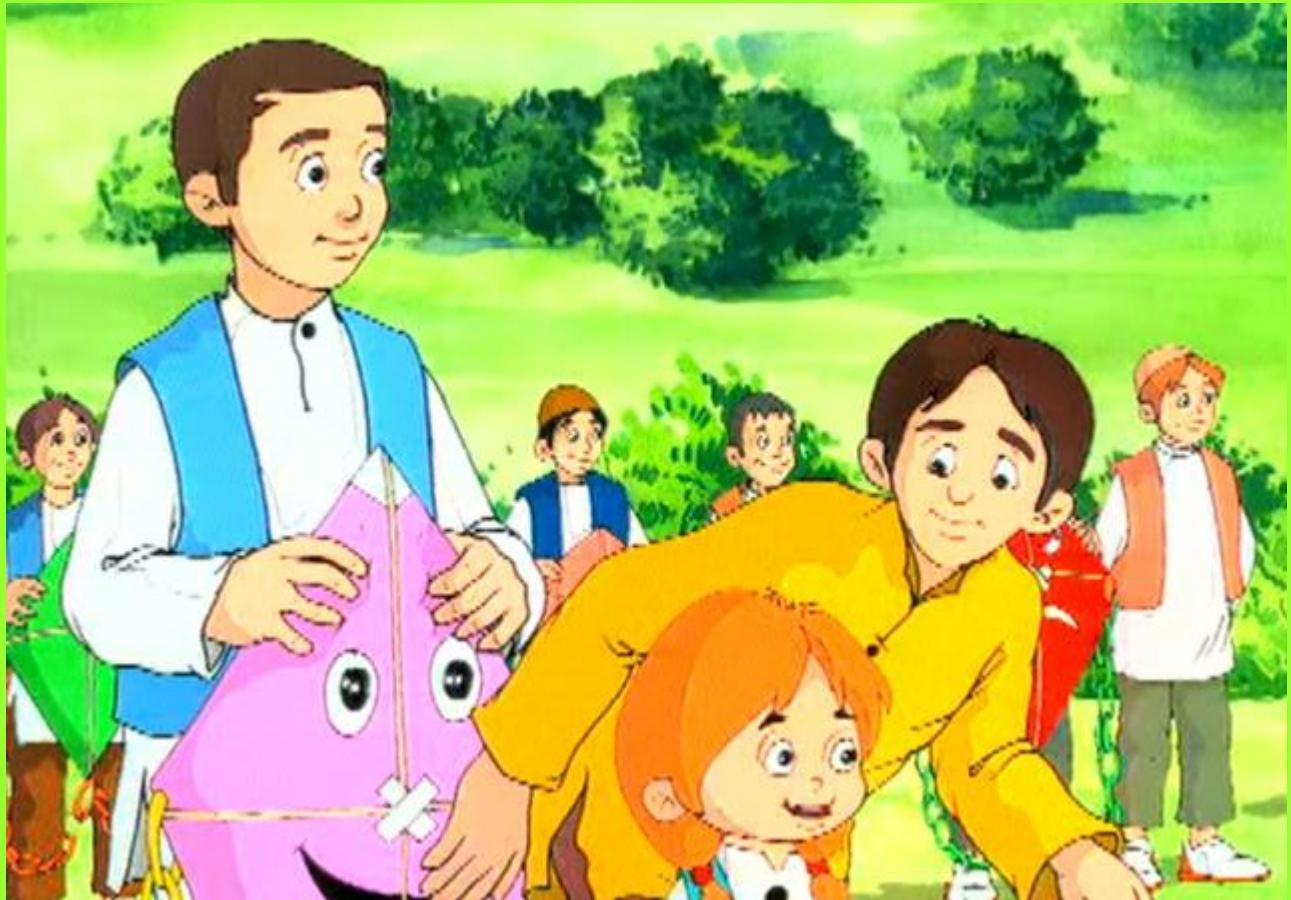
Cooperate (V):/kou'a:pə.reɪt/

Collaborate

A two-year old is likely to refuse to **cooperate** when you tell her to get dressed.

The two companies **have cooperated** in joint ventures for the past several years.

The kids **cooperate** to save the storks.

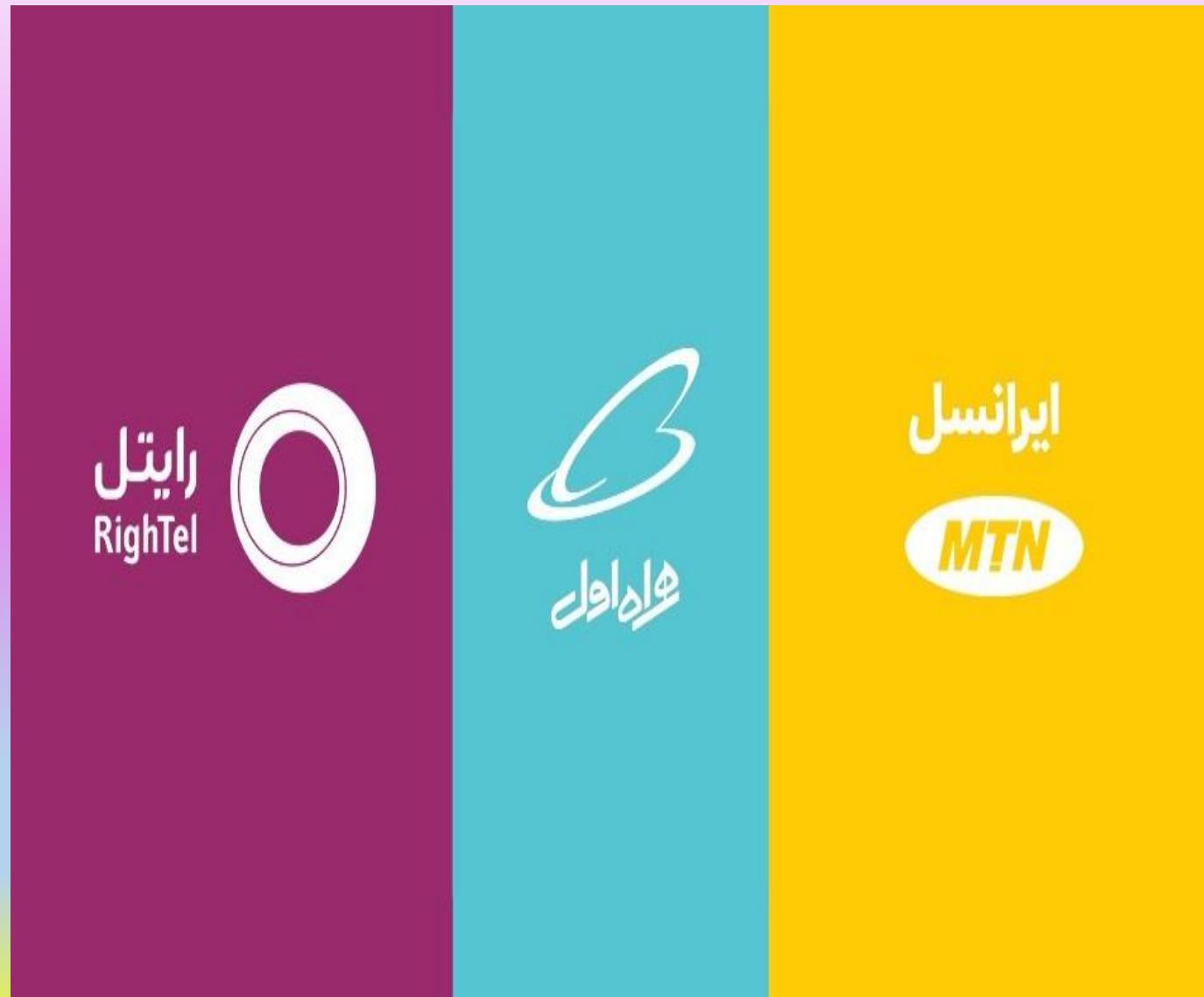


Which one is the most **cost-effective** operator?

Cost-effective (Adj): /,ka:st.i'fek.tiv/

If an activity is cost-effective, it is good value for the amount of money paid:

It wouldn't be **cost-effective** to buy an expensive new computer when all you want to do is store your photos.



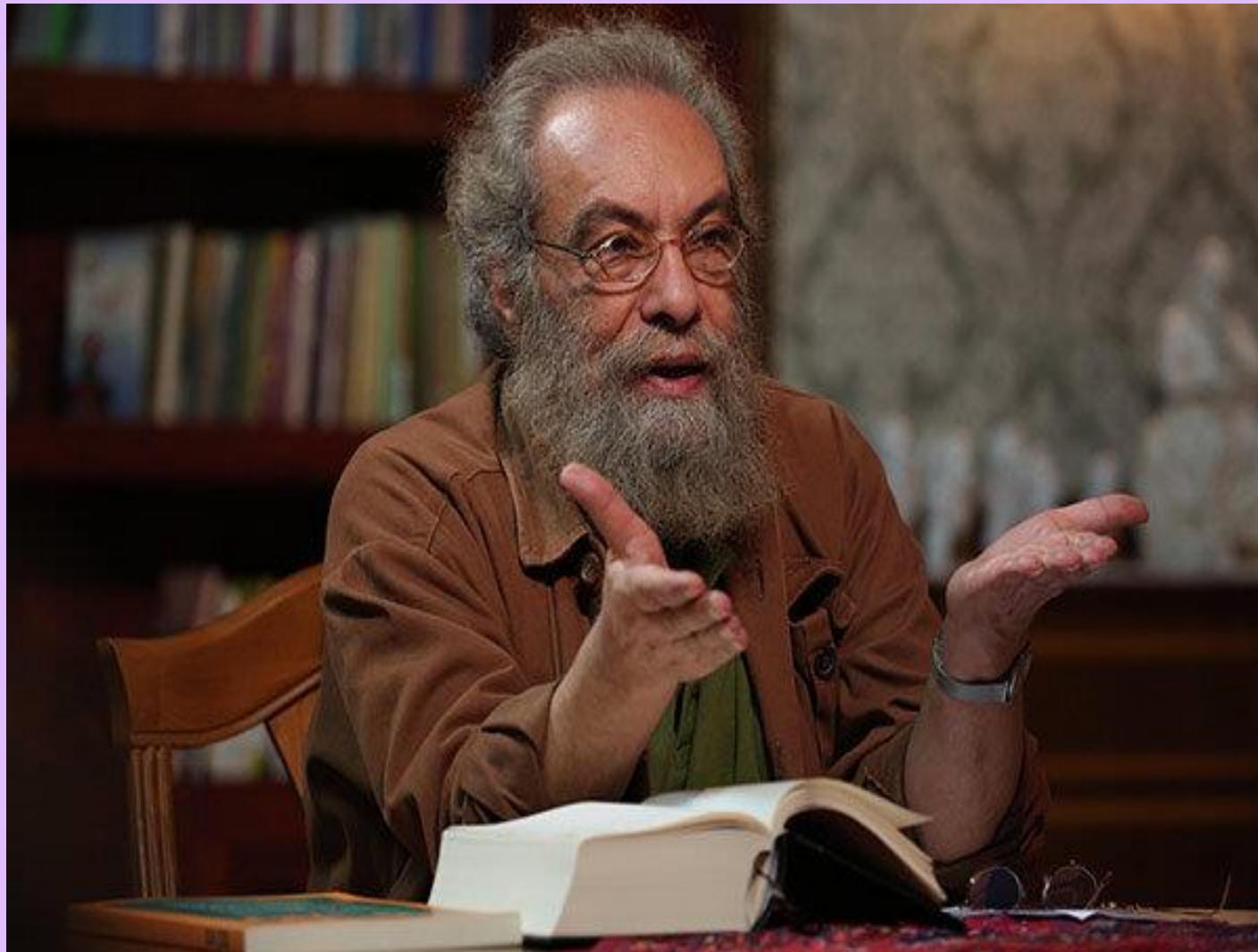
Critical (Adj): /'krɪt.i.kəl/

Saying that someone or something is bad or wrong:

The report is highly **critical** of safety standards at the factory.

The prolific writer has **critical** views and a sharp tongue.

Mr. Ferasati is a **critical** movie critic.



Discipline (N): /'dɪs.ə.plɪn/

A particular area of study,
especially a subject studied
at a college or university



Employment: /ɪm'plɔɪ.mənt/

The fact of someone being paid to work for a company or organization:

Employment levels are unlikely to rise significantly before the end of next year.

How long have you been looking for **employment**?



Enthusiasm (N): /ɪn'θu:zi.æz.əm/

Eagerness, willingness

After the accident, he lost his **enthusiasm** for the sport.

I just can't work up any **enthusiasm** for the whole project.

The manager thanked the staff for their dedication and **enthusiasm**.

Teenagers' **enthusiasm** for playing games is unbelievable!



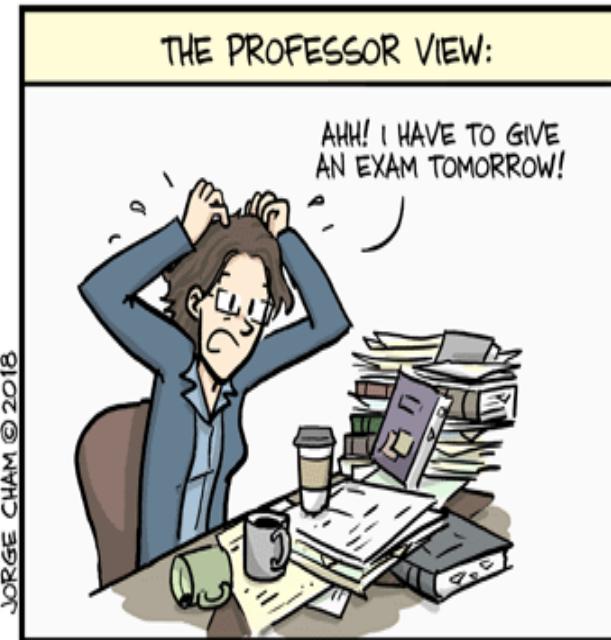
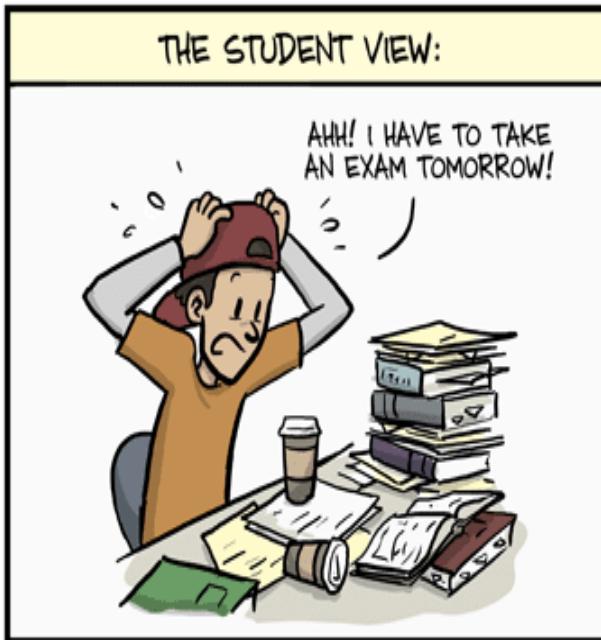
Equivalent (Adj): /'ɪ'kwɪv.əl.ənt/

having the same amount, value, purpose, qualities:

She's doing the **equivalent** job in the new company but for more money.

It's important to stress that this qualification is not **equivalent** to a degree.

I think that covering up the facts is **equivalent** to lying really.



Essential (Adj): /'esən.ʃəl/

necessary or needed:

Government support will be **essential** if the project is to succeed.

Water is **essential** for/to living things.

It is **essential** (that) our prices remain competitive.

For the experiment to be valid, it is **essential** to record the data accurately.

Supporting nurses is **essential**.



Executive (N) : /ɪg'zek.jə.tɪv/

Someone in a high position, especially in business, who makes decisions and puts them into action:

My sister is now a senior **executive**, having worked her way up through the company.

The sales **executive** from Google is here to see you.

Police are investigating allegations of corruption involving senior **executives**.



Figure out (v):

to understand or solve something:

If they know the cause of the problem, they might be able to **figure out** how to prevent it happening again.

It takes most people some time to **figure out** new software.

When I finally **figure out** how to solve the question I skipped.



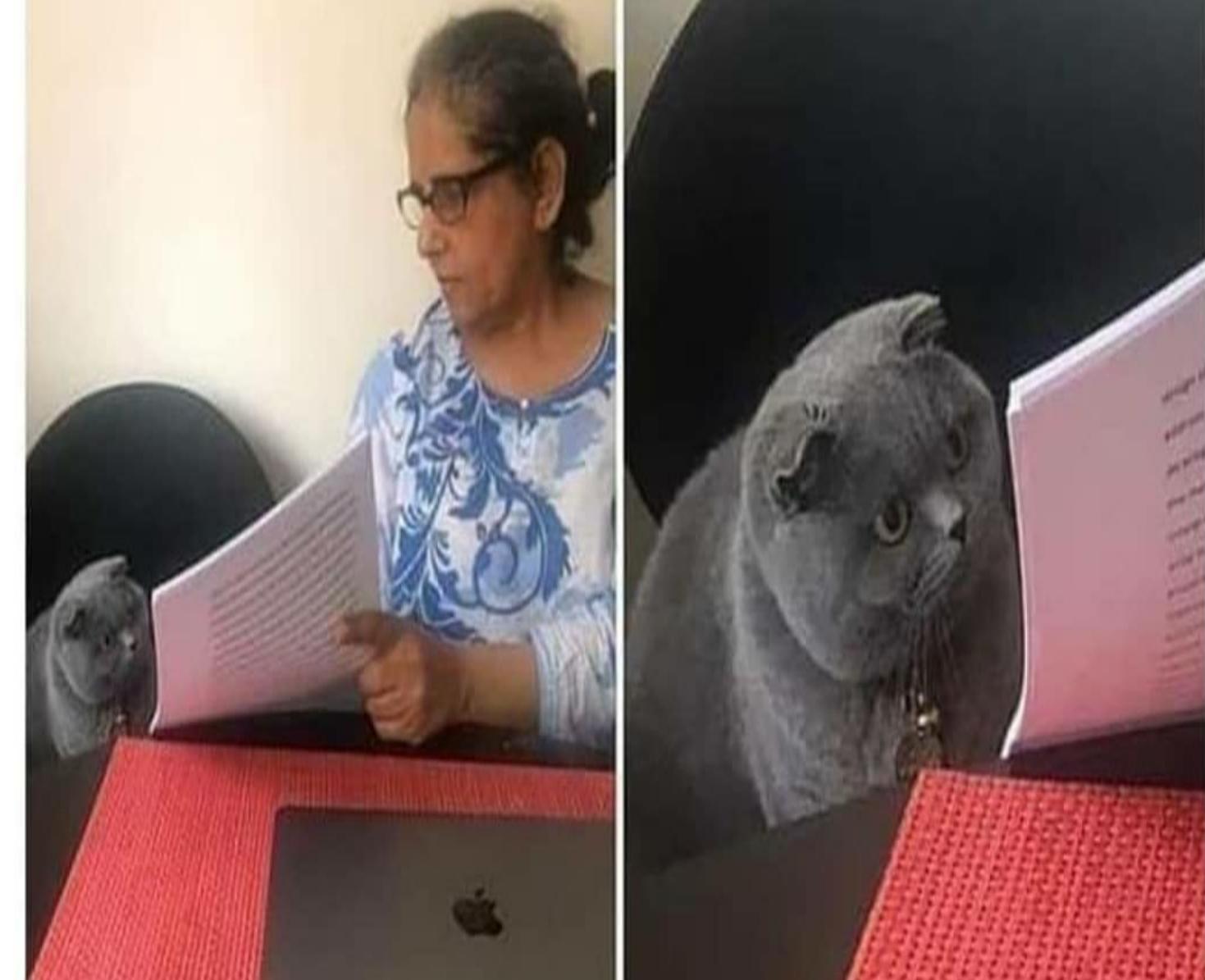
Flaw (N): /fla:/

A fault, mistake, or weakness:

I returned the material because it had a **flaw** in it.

There's a fatal **flaw** in your reasoning.

This report is full of **flaws**.



Foundation (N): /faʊn'deɪʃ(ə)n/

An underlying basis or principle.

This idea is the **foundation** of all modern economics.



Ignore (V): /ɪg'no:r/

To intentionally not listen or give attention to:

She can be really irritating, but I try to **ignore** her.

Safety regulations **are being ignored** by company managers in the drive to increase profits.

How can the government **ignore** the wishes of the majority?

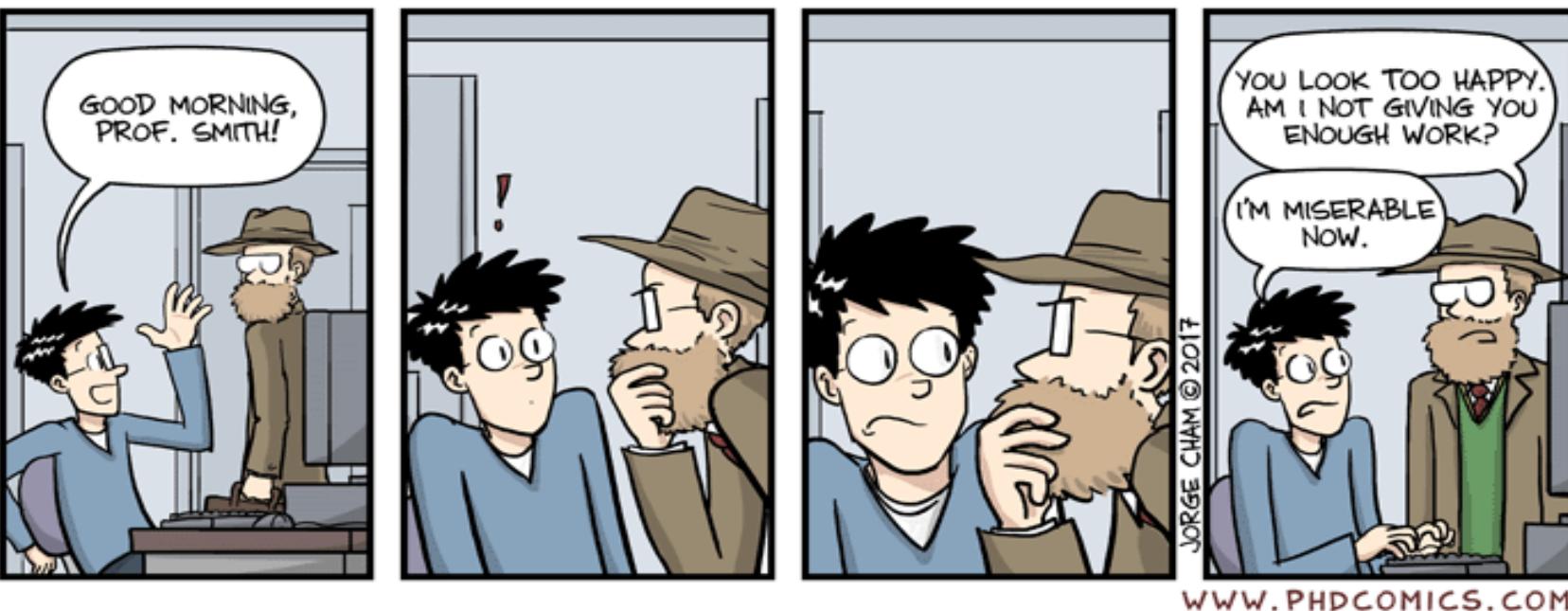
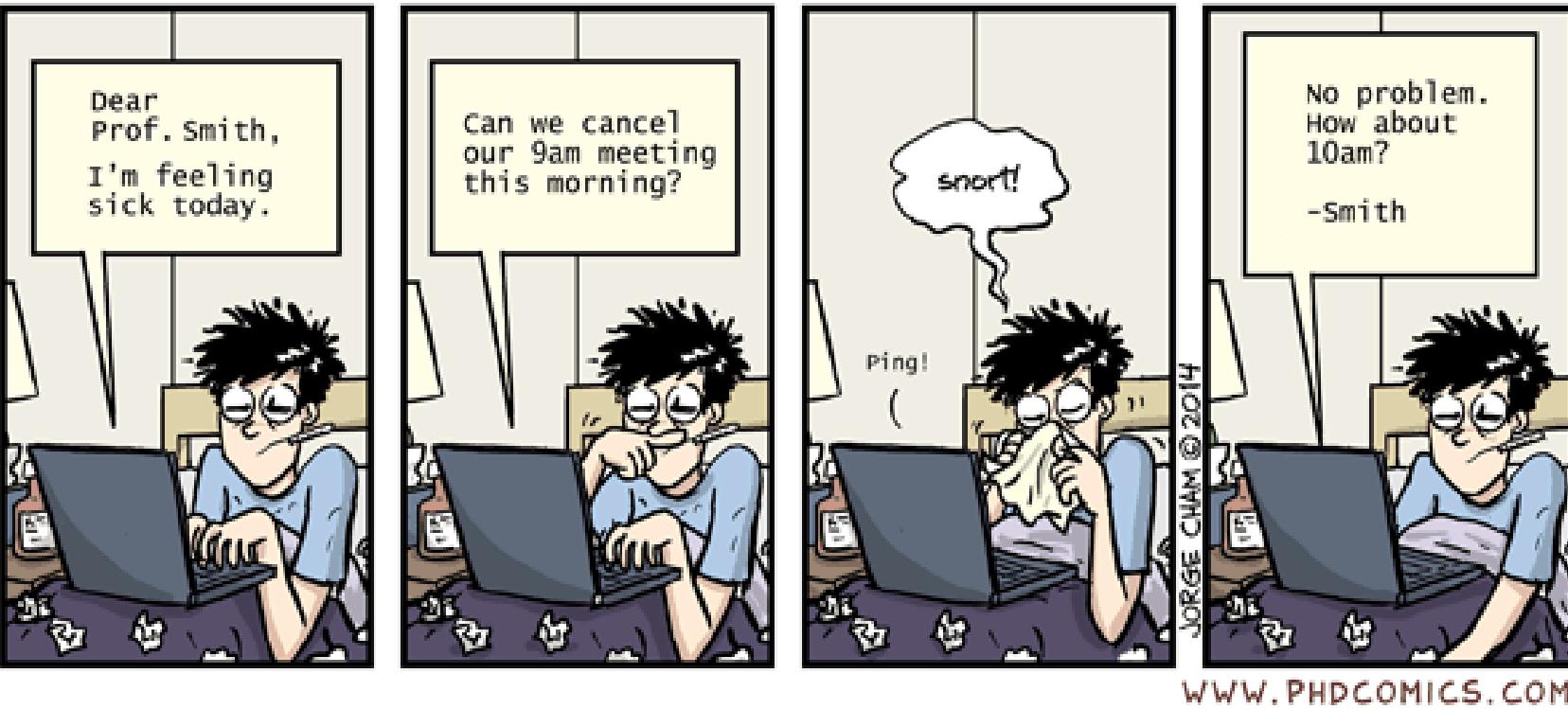


Why are you ignoring Corona Virus?

Instructor (N): /in'strʌk.tər/

A teacher of a college or university subject:

A history/science/sociology **instructor**



Intellectually (Adv): /'ɪn.tɛl'ek.tʃu.ə.li/

in a way that relates to your ability to think and understand things, especially complicated ideas:

I am hoping to find a job which is more demanding **intellectually**.

The instructor implied that everyone in his class was **intellectually** superior.



Interact (V): /,ɪn.tə'ækt/

Communicate

It's interesting at parties to see how people **interact** socially.

We are studying how these two chemicals **interact**.

Millions of people want new, simplified ways of **interacting** with a computer.

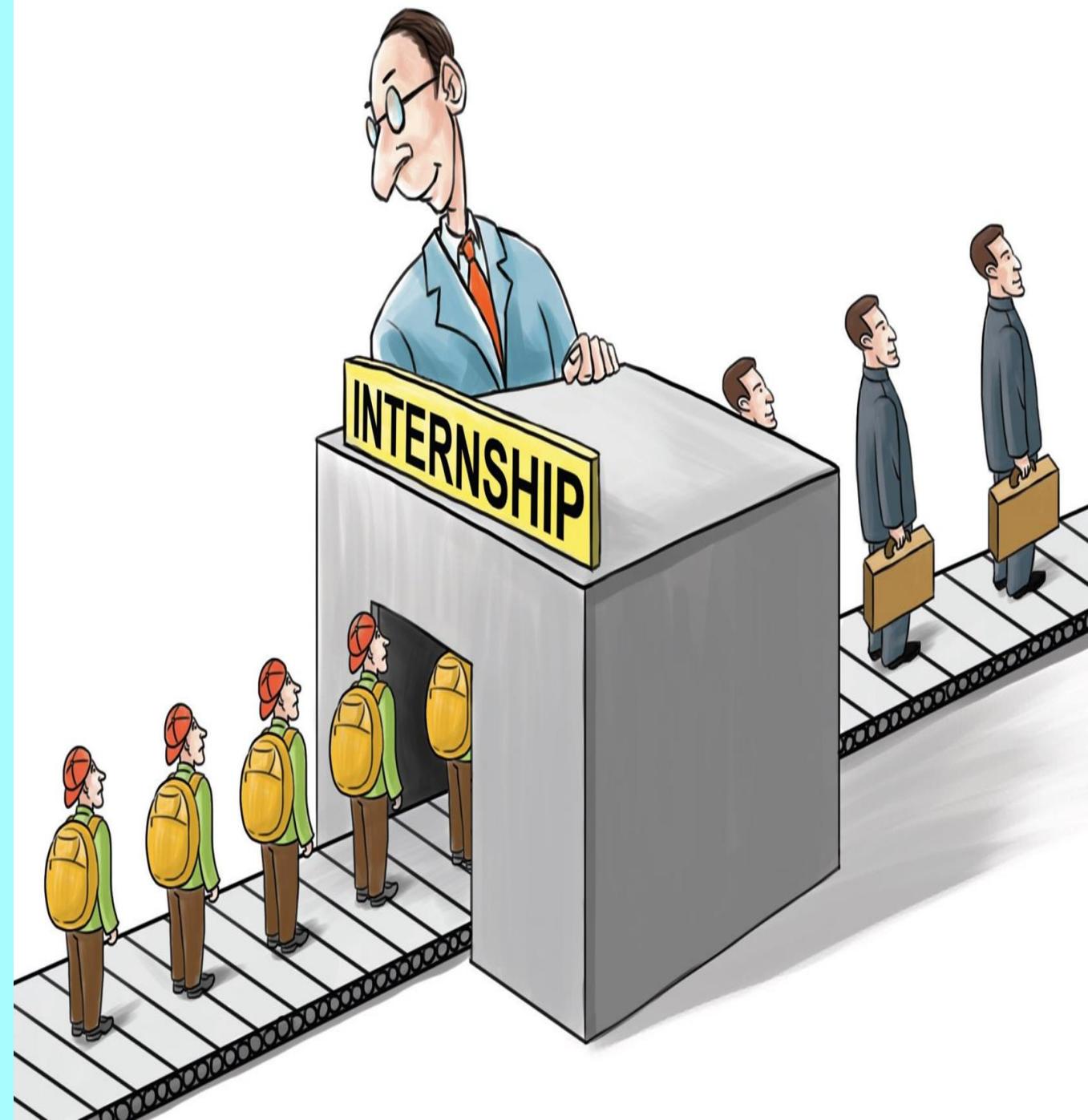
Students have difficulty **interacting** with teachers in online classes.



Internship (N): /'ɪn.tɜːn.ʃɪp/

A short-term work experience offered by companies and other organizations for people

Arshia is going to serve **internship** in a start-up company.



Intimidating (Adj): /ɪn'tɪm.ə.deɪ.tɪŋ/

Making you feel frightened

My friend can be very **intimidating** when she's angry.

Amin thinks that flying cockroaches are **intimidating**.



Investment (N):/in'vest.mənt/

the act of putting money, effort, time, etc. into something to make a profit or get an advantage, :

The government wanted an inflow of foreign **investment**.

Stocks are regarded as good long-term **investments**.

We are looking for exponential growth in our **investment**.

People are worried about inflation biting into their savings and **investments**.



Bamshad intends to **invest** in the stock market.

Median (Adj): /'mi:di.ən/

The median value is the middle one in a set of values arranged in order of size:

Median household income fell last year.

4, 2, 8, 1, 15

→ 1, 2, 4 8, 15

MEDIAN

Mentor (N): /'men.tɔ:r/

A person who gives a younger or less experienced person help and advice over a period of time, especially at work or school



Occupation (N):
/ə.kjə'peɪʃən/

a person's job:

People in professional
occupations



Orally (Adv): /'ɔ:rəli/

expressed in speech, not writing:

You need to be able to communicate well
both **orally** and in writing.

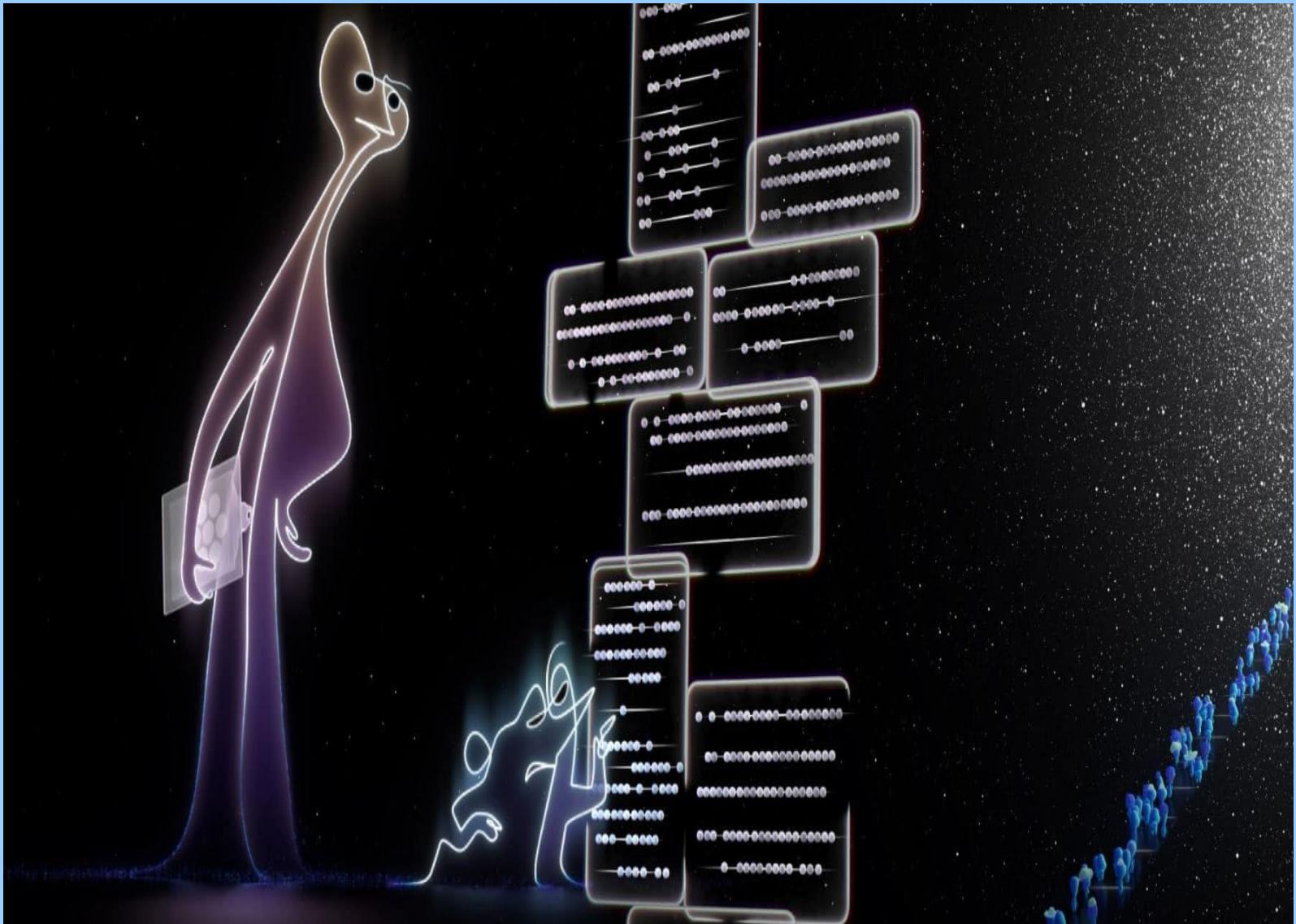


Project (v):/prə'dʒekt/

Calculate, estimate:

Government spending **is projected** to rise by three percent next year.

Terry: It **is projected** that a soul is missing.



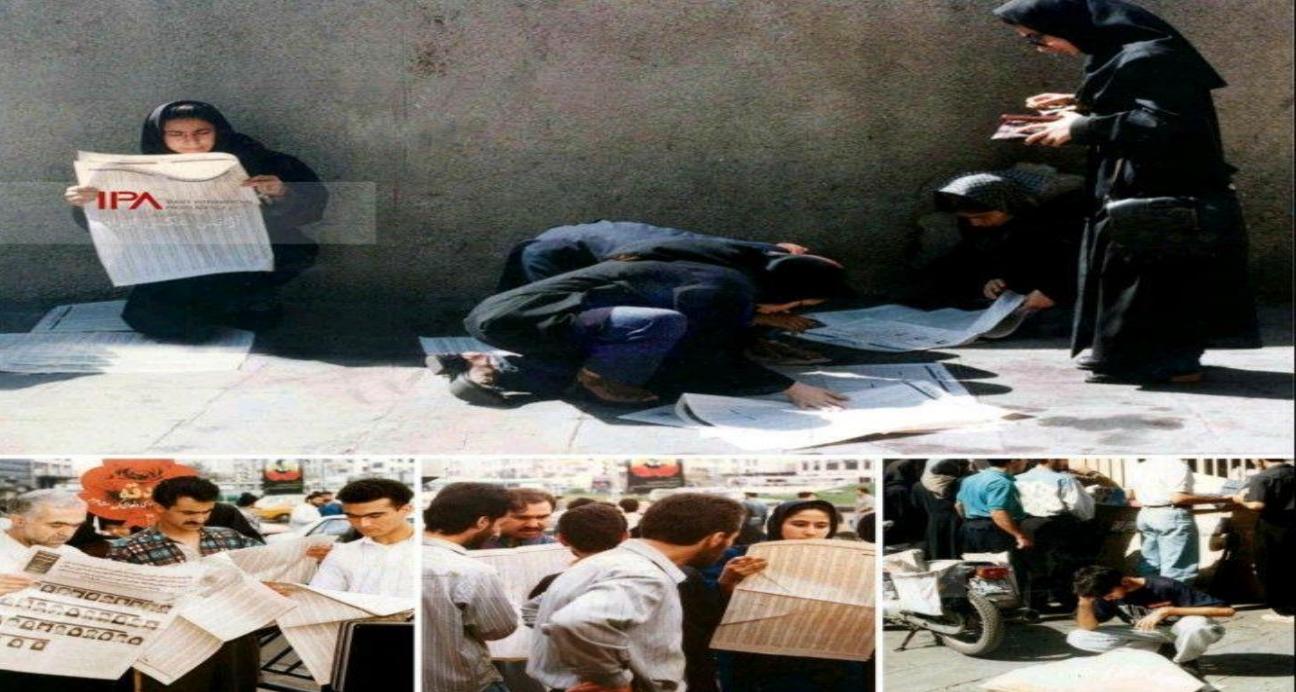
Prospective (Adj): /prə'spek.tiv/

People who are expected to buy something, employ someone, become parents, etc.:

Prospective buyers, employers, parents, etc.

We've had three sets of **prospective** buyers looking at the house.

Who are the **prospective** university students?



Regulation: /,reg.jə'leɪ.ʃən/

An official rule or the act of controlling something:

Safety/health/traffic/fire/security **regulations**

Government **regulation** of inflation

I have acted strictly in accordance with the **regulations** at all times.

Safety **regulations** are being ignored by company managers in the drive to increase profits.

School **regulations** are set by Ms. Darabi.



Resume (N): /'rez.ə.meɪ/

A short written description of your education, qualifications, previous jobs

She sent her **resume** to 50 companies, but didn't even get an interview.



Stand out (v):

to be very noticeable:

The black lettering really **stands out** on that orange background.

To **stand out**, you have to work hard.



Storage (N): /'stɔ:rɪdʒ/

The putting and keeping of things in a special place for use in the future:

We've had to build some cupboards to give us more **storage** space.



Tangible (Adj): /'tæn.dʒə.bəl/

Real and not imaginary; able to be shown, touched, or experienced:

We need **tangible** evidence if we're going to take legal action.

Other **tangible** benefits include an increase in salary and shorter working hours.

The **tangible** blessings granted to the little prince



Tedious (Adj): /'ti:.di.əs/

boring:

A **tedious** job

The problem is I find most forms of exercise so **tedious**.

Such a **tedious** match!



Typically (Adv): /'tip.i.kəl.i/

Usually, in most cases

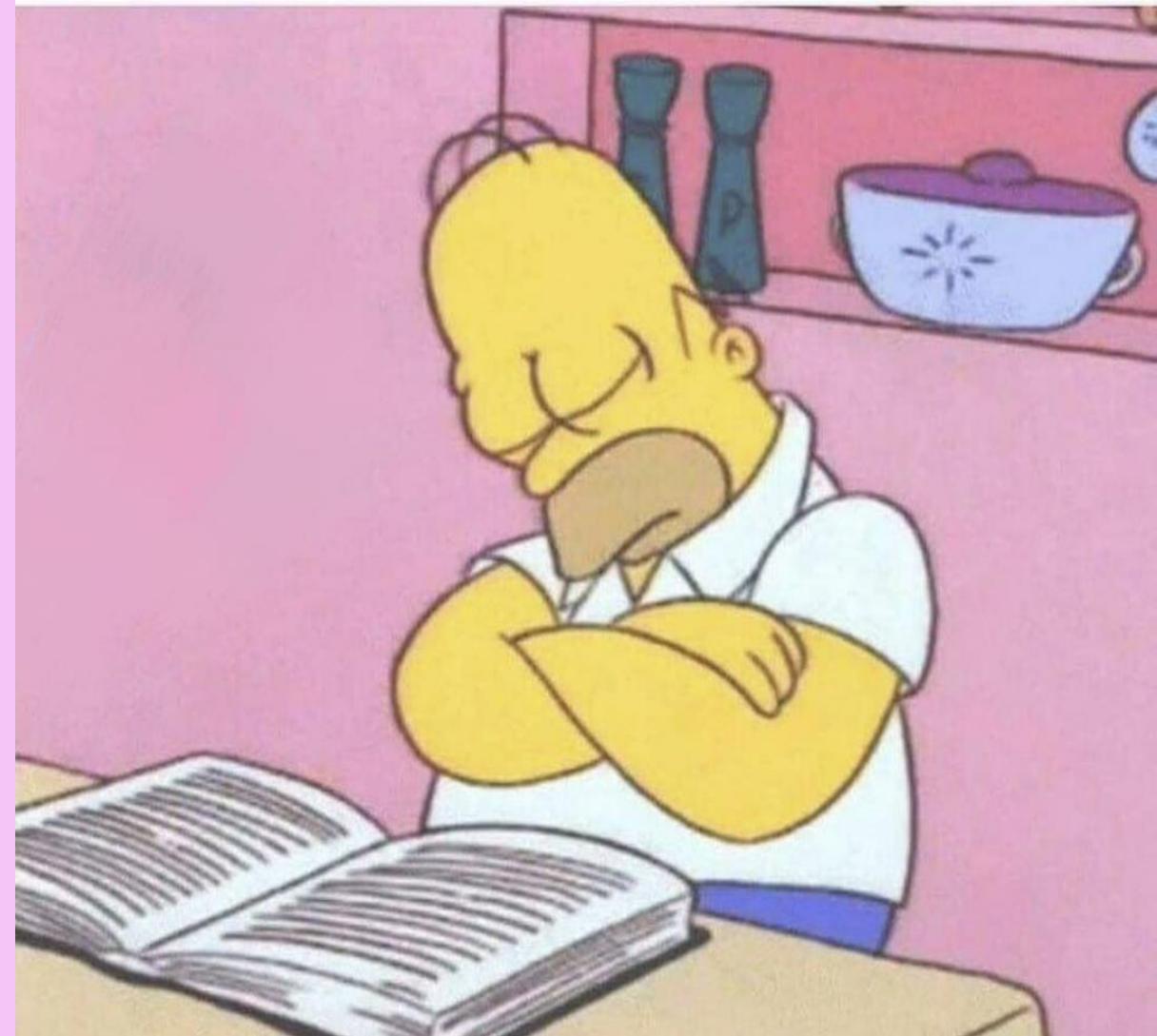
Typically, a doctor will see about 30 patients a day.

Tickets for these events will **typically** cost around thirty dollars.

High-flyers in the industry **typically** earn 25% more than their colleagues.

Some students **typically** fall sleep while studying.

Me: I study better at night
Me at 10:



Unique (Adj): /ju:'nɪk/

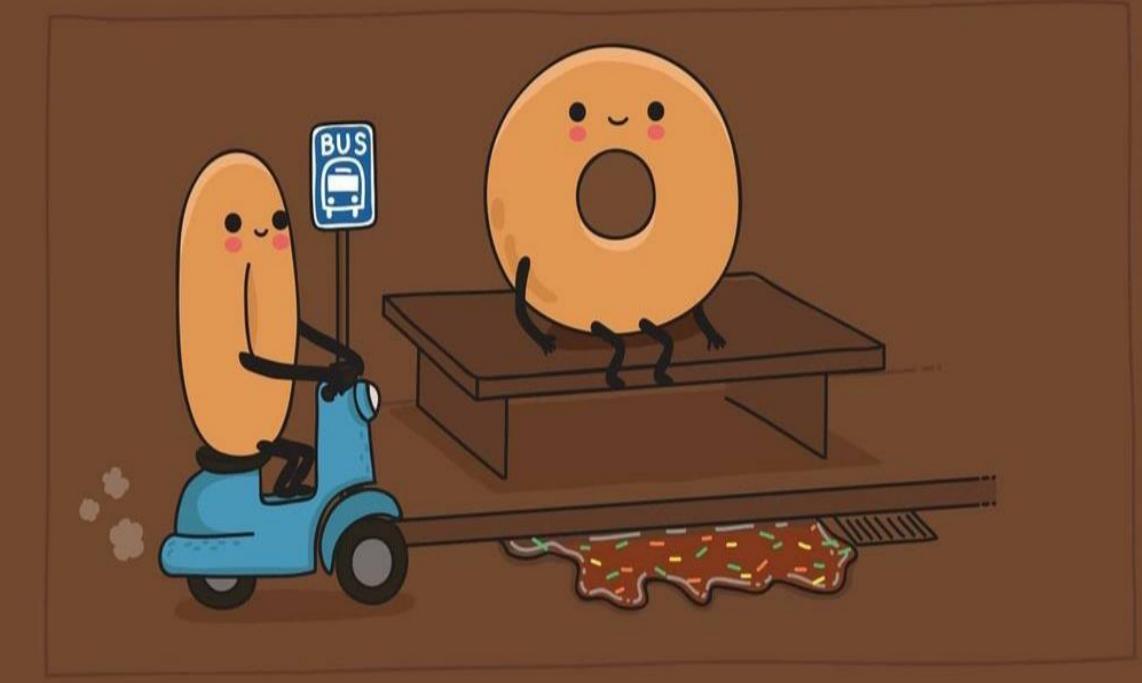
being the only existing one of its type:

Each person's genetic code is **unique** except in the case of identical twins.

I'd recognize your handwriting anywhere - it's **unique**.

Do not miss this **unique** opportunity to buy all six pans at half the recommended price.

Unique donut friendship!



Unparalleled
/ʌn'per.əl.eld/

(Adj):

having no equal; better or greater than any other:

They enjoyed success on a scale **unparalleled** by any previous rock band.

Unparalleled services provided by this restaurant



Volunteer (N): /'va:lən'tɪr/

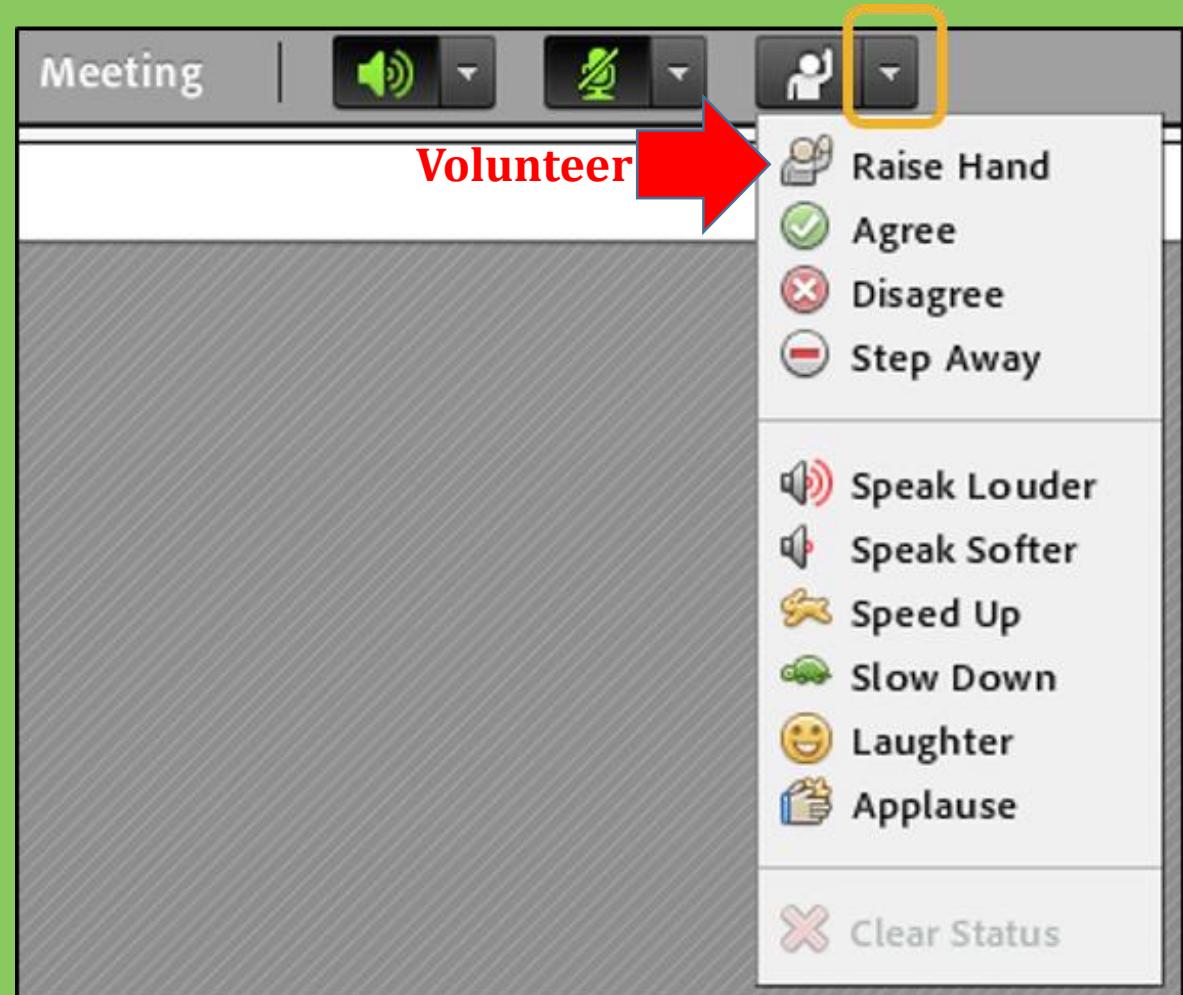
A person who does something without being forced or paid to do it:

The Health clinic is relying on **volunteers** to run the office and answer the phones.

Since it would be a highly dangerous mission, we asked for **volunteers**.

The researcher emphasized that all the people taking part in the research were **volunteers**.

Who is going to be a **volunteer** in our online class?



Wage (N): /weɪdʒ/

Salary

A very low/high **wage**

An hourly/daily/weekly/annual
wage

Mohammad is paid a good **wage**
because he works for a fair
employer.



Waiting for the wage

Yield (V): /ji:ld/

to supply or produce something positive such as a profit, an amount of food or information:

An attempt to **yield** increased profits.

The investigation **yielded** some unexpected results.

Favorable weather **yielded** a good crop.



Good things
come to those who
believe, better things
come to those
who are **patient**
and the best things
come to those who
don't give up.



“I hated every minute
of training, but I said,
‘Don’t quit. Suffer now
and live the rest of your
life as a champion.”

- Muhammad Ali