



ESTUDIA EN EL
INSTITUTO
TECNOLÓGICO DE LAS
AMÉRICAS (ITLA)

Participantes:

Katrina Arias 2022-0089

Bryan Fernández 2022-0917

Leonardo Martinez 2022-0982

Josnell Tejeda 2022-1145

Maestra:

Aurora Aquino

Materia:

Plan de Negocios

Lista de Colaboradores

Nombre	Cargo	Sueldo Mensual (\$)
Juan Pérez	Gerente General	5,000
María López	Jefa de Finanzas	4,000
Carlos Martínez	Analista Financiero	3,000
Ana González	Recursos Humanos	2,500
Luis Rodríguez	Técnico de Soporte	2,000
Marta Fernández	Secretaria	1,500
Pedro Sánchez	Operario	1,200
Laura Ramírez	Asistente Administrativo	1,800

Cálculo del Monto Total por Concepto de Gastos de Sueldos

Para determinar el monto total por concepto de gastos de sueldos, se suman todos los sueldos mensuales de los colaboradores.

$$\text{Monto Total} = 5000 + 4000 + 3000 + 2500 + 2000 + 1500 + 1200 + 1800$$

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Vamos a realizar el cálculo:

$$\text{Monto Total} = 5000 + 4000 + 3000 + 2500 + 2000 + 1500 + 1200 + 1800 = 21,000$$

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Monto Total por Concepto de Gastos de Sueldos

El monto total por concepto de gastos de sueldos es **\$21,000** mensuales.

Porcentajes de Contribución

Vamos a suponer los siguientes porcentajes para este ejemplo:

- **AFP:** 2.87% del sueldo
- **ARS:** 3.04% del sueldo
- **ARL:** 1.00% del sueldo

Cálculo de Contribuciones

Fórmula para el cálculo:

$$\text{Contribución} = \text{Sueldo Mensual} \times \text{Porcentaje}$$

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Cálculos por colaborador:

1. **Juan Pérez** (Gerente General: \$5000)
 - AFP: $5000 \times 0.0287 = 143.505000$ \times 0.0287 = $143.505000 \times 0.0287 = 143.50$
 - ARS: $5000 \times 0.0304 = 152.005000$ \times 0.0304 = $152.005000 \times 0.0304 = 152.00$
 - ARL: $5000 \times 0.01 = 50.005000$ \times 0.01 = $50.005000 \times 0.01 = 50.00$
 - Total: $143.50 + 152.00 + 50.00 = 345.50$ $143.50 + 152.00 + 50.00 = 345.50$
2. **María López** (Jefa de Finanzas: \$4000)
 - AFP: $4000 \times 0.0287 = 114.804000$ \times 0.0287 = $114.804000 \times 0.0287 = 114.80$
 - ARS: $4000 \times 0.0304 = 121.604000$ \times 0.0304 = $121.604000 \times 0.0304 = 121.60$
 - ARL: $4000 \times 0.01 = 40.004000$ \times 0.01 = $40.004000 \times 0.01 = 40.00$
 - Total: $114.80 + 121.60 + 40.00 = 276.40$ $114.80 + 121.60 + 40.00 = 276.40$
3. **Carlos Martínez** (Analista Financiero: \$3000)
 - AFP: $3000 \times 0.0287 = 86.103000$ \times 0.0287 = $86.103000 \times 0.0287 = 86.10$
 - ARS: $3000 \times 0.0304 = 91.203000$ \times 0.0304 = $91.203000 \times 0.0304 = 91.20$
 - ARL: $3000 \times 0.01 = 30.003000$ \times 0.01 = $30.003000 \times 0.01 = 30.00$
 - Total: $86.10 + 91.20 + 30.00 = 207.30$ $86.10 + 91.20 + 30.00 = 207.30$
4. **Ana González** (Recursos Humanos: \$2500)
 - AFP: $2500 \times 0.0287 = 71.752500$ \times 0.0287 = $71.752500 \times 0.0287 = 71.75$
 - ARS: $2500 \times 0.0304 = 76.002500$ \times 0.0304 = $76.002500 \times 0.0304 = 76.00$
 - ARL: $2500 \times 0.01 = 25.002500$ \times 0.01 = $25.002500 \times 0.01 = 25.00$
 - Total: $71.75 + 76.00 + 25.00 = 172.75$ $71.75 + 76.00 + 25.00 = 172.75$
5. **Luis Rodríguez** (Técnico de Soporte: \$2000)
 - AFP: $2000 \times 0.0287 = 57.402000$ \times 0.0287 = $57.402000 \times 0.0287 = 57.40$
 - ARS: $2000 \times 0.0304 = 60.802000$ \times 0.0304 = $60.802000 \times 0.0304 = 60.80$
 - ARL: $2000 \times 0.01 = 20.002000$ \times 0.01 = $20.002000 \times 0.01 = 20.00$
 - Total: $57.40 + 60.80 + 20.00 = 138.20$ $57.40 + 60.80 + 20.00 = 138.20$
6. **Marta Fernández** (Secretaria: \$1500)
 - AFP: $1500 \times 0.0287 = 43.051500$ \times 0.0287 = $43.051500 \times 0.0287 = 43.05$
 - ARS: $1500 \times 0.0304 = 45.601500$ \times 0.0304 = $45.601500 \times 0.0304 = 45.60$
 - ARL: $1500 \times 0.01 = 15.001500$ \times 0.01 = $15.001500 \times 0.01 = 15.00$
 - Total: $43.05 + 45.60 + 15.00 = 103.65$ $43.05 + 45.60 + 15.00 = 103.65$
7. **Pedro Sánchez** (Operario: \$1200)
 - AFP: $1200 \times 0.0287 = 34.441200$ \times 0.0287 = $34.441200 \times 0.0287 = 34.44$
 - ARS: $1200 \times 0.0304 = 36.481200$ \times 0.0304 = $36.481200 \times 0.0304 = 36.48$
 - ARL: $1200 \times 0.01 = 12.001200$ \times 0.01 = $12.001200 \times 0.01 = 12.00$
 - Total: $34.44 + 36.48 + 12.00 = 82.92$ $34.44 + 36.48 + 12.00 = 82.92$
8. **Laura Ramírez** (Asistente Administrativo: \$1800)
 - AFP: $1800 \times 0.0287 = 51.661800$ \times 0.0287 = $51.661800 \times 0.0287 = 51.66$
 - ARS: $1800 \times 0.0304 = 54.721800$ \times 0.0304 = $54.721800 \times 0.0304 = 54.72$
 - ARL: $1800 \times 0.01 = 18.001800$ \times 0.01 = $18.001800 \times 0.01 = 18.00$

- Total: $51.66+54.72+18.00=124.38$
 $51.66 + 54.72 + 18.00 =$
 124.38

Monto Total por Concepto de Tesorería de la Seguridad Social (TSS)

$$345.50+276.40+207.30+172.75+138.20+103.65+82.92+124.38=1451.10$$

$$345.50 + 276.40 + 207.30 + 172.75 + 138.20 + 103.65 + 82.92 + 124.38 =$$

$$1451.10$$

El monto total por concepto de Tesorería de la Seguridad Social (TSS) para todos los colaboradores es **\$1451.10** mensuales.