\_\_intit\_\_.py:

"""Package initializer for signal\_ICT\_Seshu Vardhan Reddy\_9243300133167.

Exports the main functions from the three modules so users can import them

from the package root.

"""

from .unitary\_signals import unit\_step, unit\_impulse, ramp\_signal

from .trigonometric\_signals import sine\_wave, cosine\_wave, exponential\_signal

from .operations import (

time\_shift,

time\_scale,

signal\_addition,

signal\_multiplication,

)

\_\_all\_\_ = [

"unit\_step",

"unit\_impulse",

"ramp\_signal",

"sine\_wave",

"cosine\_wave",

"exponential\_signal",

"time\_shift",

"time\_scale",

"signal\_addition",

"signal\_multiplication",

]