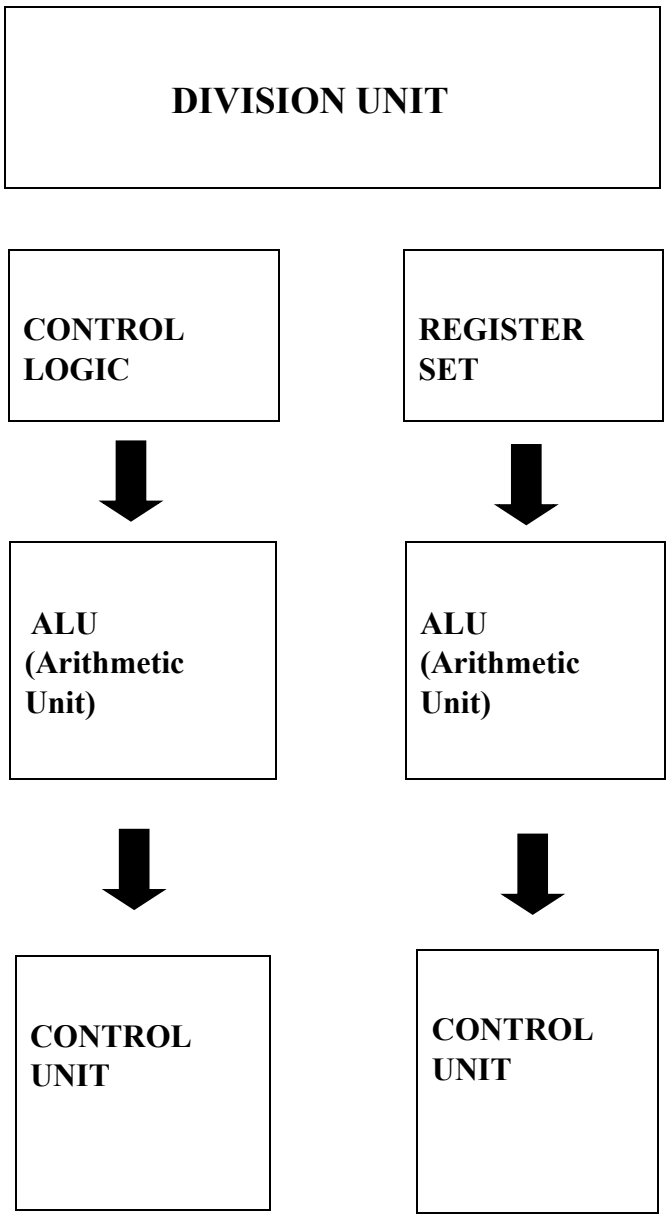
BLOCK DIAGRAM



Fast divison Algorithm(Newton-Raphson Method):

```
def fast_division(dividend, divisor, precision):
    approx = 1.0 / divisor  # Initial approximation
    for _ in range(precision):
        approx = approx * (2 - divisor * approx)
    quotient = dividend * approx
    return quotient

# Example usage
dividend = 42
divisor = 7
precision = 10
result = fast_division(dividend, divisor, precision)
print("Quotient:", result)
```

Slow division Algorithm(Long division Algorithm):

```
def slow_division(dividend, divisor):
    quotient = 0
    remainder = dividend
    while remainder >= divisor:
        quotient += 1
        remainder -= divisor
    return quotient, remainder
```

```
# Example usage
dividend = 42
divisor = 7
quotient, remainder = slow_division(dividend, divisor)
print("Quotient:", quotient)
print("Remainder:", remainder)
```