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| **Waterfall Model** | **Iterative Model** | **Spiral Model** | **V Model** | **RAD Model** |
| The Waterfall model is *simple and easy.* | It’s *simple and easy.* | The spiral model is a *more complex.* | *Easy to Understand.* | C |
| The waterfall model works in a *sequential method.* | The iterative model works in an *incremental method* | While the spiral model works in the *evolutionary method*. | It is also a *sequential method.* | It’s also an *incremental model.* |
| Flexibility to change in waterfall model is *Difficult.* | Flexibility to change in incremental model is *Easy.* | Flexibility to change in spiral model is *not Difficult.* | Flexibility of V-model is *Little flexible*. | This model is *flexible for change.* |
| Waterfall model is *comparatively inexpensive.* | Cost of incremental model is *low.* | While cost of spiral model is *very expensive.* | Cost of V-model is *expensive.* | Cost is *low.* |
| The waterfall model is applicable for *small projects.* | It’s also used for *large project.* | The Spiral model is used for *large projects*. | Applicable for *small projects* | Not appropriate to handle the *large project* |
| In waterfall model requirements and *early- stage planning* is necessary. | Iterative model requirements and *early -stage planning* is necessary. | While in spiral model requirements *and early -stage planning is necessary* if required. | While in spiral model requirements and *early- stage planning is necessary* if required. | *No early-stage planning.* |
| It requires *least maintenance.* | Its *maintainable.* | It requires *typical maintenance.* | Its *maintenance is less.* | *Easy to maintenance.* |
| Time frame is *very long.* | Time frame is *long.* | Time frame is *long.* | Time frame is *long.* | *Short time* frame. |
| *No overlapping* phase. | Overlapping *phase is there.* | *No overlapping* phase. | *No overlapping* phase. | Overlapping *phases is there.* |
| *After completion of development* phase, the testing will start. | *After every iteration* the testing will start. | At the *end of engineering phase*, the testing will start. | *After completion of development* the testing will start. | *After completion of development* the testing will start. |
| It's based on *linear framework* type. | It is based on *linear and iterative framework* type. | It is based on *linear and iterative framework* type. | V-model’s steps *don’t move in linear* way. | It’s based on *linear framework* type. |
| There is *high amount risk* in waterfall model. | There is *low amount risk* in iterative model. | There is *medium to high amount risk* in spiral model. | There is *high rigid* in v model. | There is *low amount risk* in RAD model. |
| Reusability is *extremely unlikely.* | To a*certain extent, reusability* is possible. | To a *extent, reusability certain* is possible. | Reusability is *possible.* | Reusability is *possible.* |