

Table1: Abbreviations regarding perceptive model

Abbreviations	
CD: Communication, Development	PM: Planning, Modeling, Construction
CcD: Communication, Construction, Development	CPM: Communication, Planning, Modeling
CMD: Communication, Modeling, Development	PM: Planning, Modeling
CMcD: Communication, Modeling, Construction, Development	Pc: Planning, Construction
McD: Modeling, Construction, Development	CMc: (Planning, Modeling, Construction)
PMcD: Planning, Modeling, Construction, Development	Mc: Modeling, Construction)
CPd: Communication, Planning, Construction, Development	cD: Construction, Development
CPMcD: Communication, Planning, Modeling, Construction, Development	CD: Communication, Development
CPd: Communication, Planning, Construction, Development	PcD: Planning, Construction, Development
CPD: Communication, Planning, Development	PD: Planning, Development
CPMD: Communication, Planning, Modeling, Development	CPMc: Communication, Planning, Modeling, Construction
Cc: Communication, construction	

Table 2: occurrence of process models with software criterion

Models	communication	planning	modeling	Construction	development	deployment	Risk analysis	Engineering	Under develop	Under review	Awaiting changes	Done
Perspective	✓	✓	✓	✓	✓							
Waterfall	✓	✓	✓	✓	✓							
Incremental	✓	✓	✓	✓	✓							
prototype	✓	✓	✓	✓		✓						
RAD	✓	✓	✓	✓		✓						
Spiral		✓				✓	✓	✓				
concurrent									✓	✓	✓	✓

In Table 2: the list of all Process Models and their respective Criterion is discussed. In Perspective Model Communication, Planning, Modeling, Construction and Development components are present. In Waterfall Model communication, Modeling, Planning, construction and development component are present. In Incremental process Model communication, Modeling, Planning, Construction and development components are present. In Prototype Model, Communication, Modeling, Planning, Construction and deployment are present. In RAD Model communication, Modeling, Planning, Construction and Deployment are

present. In Spiral Model Planning, Deployment, Risk Analysis and Engineering components are present. In Concurrent Development Model Under development, Under Review, Awaiting Changes and Done components are present. In Unified Process Model Inception(Communication, Planning), Elaboration (Planning, Modeling) and Transition(Construction and Deployment) components are present[1][5].

Table 3: McCals quality factors and process model

McCall's Q factors	Communication	planning	Modeling	construction	development
Correctness	✓	✓	✓	✓	✓
Reliability	✓	✓	✓	✓	✓
Efficiency	✓	✓	✓		✓
Integrity	✓	✓	✓	✓	✓
Usability	✓	✓	✓	✓	✓
Maintainability	✓	✓	✓		✓
Testability	✓	✓	✓	✓	✓
Flexibility	✓	✓	✓	✓	✓
Portability	✓	✓	✓	✓	✓
Reusability	✓	✓	✓	✓	✓

In table 3: the list of all factors of Mac Calls Quality Model and also their Occurrence in five component i.e Communication, Planning, Modeling, and development component of Perspective Model is discussed. The first factor Correctness is found in Communication, Modeling, Planning, Construction and Development. The Second factor Reliability is found in Communication, Modeling, Planning, Construction and Development component of Perspective Model. The third factor Efficiency is found in Communication, Modeling, Planning and Development component of Perspective Model. The fourth factor Integrity is found in Communication, Modeling, Planning, Construction and Development component of Perspective Model. The fifth factor Usability is found in Communication, Modeling, Planning, Construction and Development Component of Perspective Model. The sixth factor Maintainability is found in Communication, Planning, Modeling and development component of Perspective Model. The seventh factor Testability is found in Communication, Planning, Modeling, Construction and development component of Perspective Model. The eighth factor Flexibility is found in Communication, Modeling, Planning, Construction and development factor of Perspective Model. The ninth factor Portability is found in communication, Modeling, Planning, Construction and Development component of Perspective Model. The tenth factor Reusability is found in Communication, Planning, Modeling, Construction and Development components of Perspective Model [1][5].

Table 4: Boehm quality factors and process model

Boehm's Q.factors	Communication	Modeling	planning	construction	development
Portability	✓	✓	✓	✓	✓
Reliability	✓	✓	✓	✓	✓
Efficiency	✓	✓	✓		✓
Human Engineering	✓	✓	✓	✓	✓
Testability	✓	✓	✓	✓	✓
Understandability	✓	✓	✓	✓	✓

In table 4: the list of all factors of Boehm's Quality Model and also their Occurrence in five component i.e Communication ,Planning ,Modeling ,and Development component of Perspective Model is discussed .The first factor Portability is found in Communication, Modeling, Planning ,Construction and Development .The Second factor Reliability is found in Communication, Modeling, Planning ,Construction and Development component of Perspective model .The third factor Efficiency is found in Communication, Modeling, Planning and Development component of Perspective Model. The fourth factor Human Engineering is found in Communication, Modeling, Planning, Construction and Development component of Perspective Model. The fifth factor Testability is found in Communication, Modeling, Planning, Construction and Development Component of Perspective Model. The sixth factor Understandability is found in Communication, Planning, Modeling and development component of Perspective Model[1][5].

Table 5: Dromey quality factors and process model

Dromey's Q.factors	Communication	Modeling	Planning	Construction	Development
Functionality	✓	✓	✓	✓	✓
Reliability	✓	✓	✓	✓	✓
Maintainability	✓	✓	✓		✓
Efficiency	✓	✓	✓		✓
Reusability	✓	✓	✓	✓	✓
Portability	✓	✓	✓	✓	✓
Usability	✓	✓	✓	✓	✓

In table 5: the list of all factors of Dromey's Quality Model and also their Occurrence in five component i.e Communication ,Planning ,Modeling, construction i.e Communication ,Planning ,Modeling, construction and Development component of Perspective Model is discussed .The first factor Functionality is found in Communication, Modeling, Planning ,Construction and Development .The Second factor Reliability is found in Communication,

Modeling, Planning ,Construction and Development component of Perspective model .The third factor Maintainability is found in Communication, Modeling, Planning and Development component of Perspective Model. The fourth factor Efficiency is found in Communication, Modeling, Planning and Development component of Perspective Model. The fifth factor Reusability is found in Communication, Modeling, Planning, Construction and Development Component of Perspective Model. The sixth factor portability is found in Communication, Planning, Modeling and development component of Perspective Model .The seventh factors Usability is found in Communication, Planning, Modeling ,Construction and Development Component of Perspective Model[1][5].

Table 5: ISO quality factors and process model

ISO Q.factors	Communication	Modeling	Planning	Construction	Development
Functionality	✓	✓	✓	✓	✓
Reliability	✓	✓	✓	✓	✓
Usability	✓	✓	✓	✓	✓
Efficiency	✓	✓	✓		✓
Maintainability	✓	✓	✓		✓
Portability	✓	✓	✓	✓	✓

In table5: the list of all factors of ISO Quality Model and also their Occurrence in five component i.e Communication, Planning, Modeling ,Construction and development component of Perspective Model is discussed .The first factor Functionality is found in Communication, Modeling, Planning ,Construction and Development .The Second factor Reliability is found in Communication, Modeling, Planning ,Construction and Development component of Perspective model .The third factor Usability is found in Communication, Modeling, Planning and Development component of Perspective Model. The fourth factor Efficiency is found in Communication, Modeling, Planning and Development component of Perspective Model. The fifth factor Maintainability is found in Communication, Modeling, Planning and Development Component of Perspective Model. The sixth factor portability is found in Communication, Planning, Modeling and development component of Perspective Model [1][5].

2.2 Water Fall Model

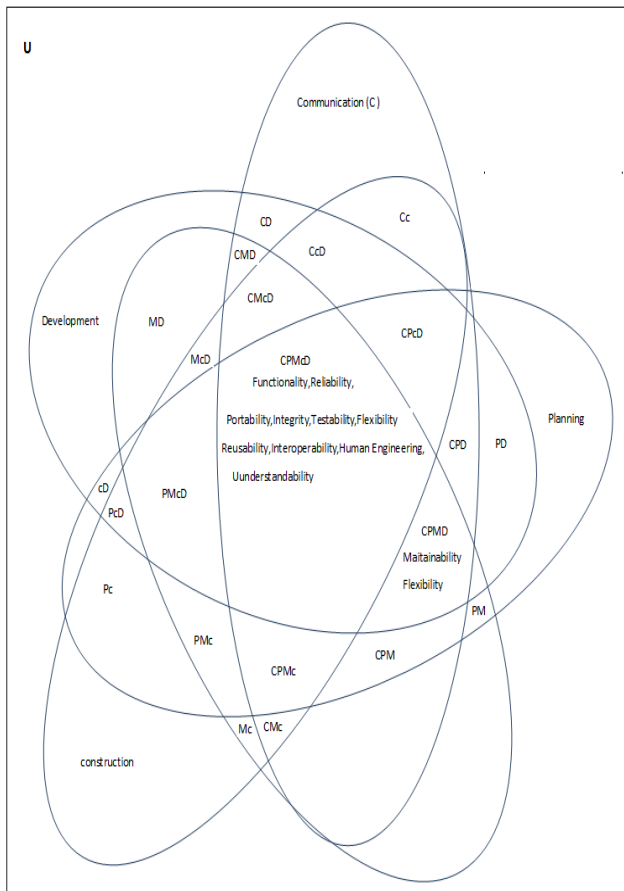


Fig 2: Water fall Model with quality Factors

Table 7: Abbreviations of Waterfall model with quality models

Abbreviations	
CD: Communication ,Development	PD: Planning, Development
CcD: Communication, Construction, Development	CPMc: Communication, Planning, Modeling, Construction
CMD: Communication, Modeling, Development	PMc: Planning, Modeling, Construction
CMcD: Communication, Modeling, Construction, Development	CPM: Communication, Planning, Modeling
McD: Modeling, Construction, Development	PM: Planning, Modeling
PMcD: Planning, Modeling, Construction, Development	Pc: Planning, Construction
CPcD: Communication, Planning, Construction, Development	CMc(Planning, Modeling, Construction)
CPMD: Communication, Planning, Modeling, Construction, Development	Mc: Modeling, Construction
CPcD: Communication, Planning, Construction, Development	cD: Construction, Development
CD: Communication, Development	CPMD: Communication, Planning, Modeling Development
PcD: Planning, Construction, Development	Cc: Communication, construction

In this Venn diagram , Our universal set contains all the factors of McCall's ,Boehm's, Dromey's and ISO .The overlapping of five Components of waterfall model with quality factors of McCall's ,Boehm's, Dromey's and ISO is shown .In this diagram C denotes Communication, P denotes planning ,M denotes modeling, c denotes construction and D denotes development .As a result, we have find above mentioned relationship of quality factors with components of

waterfall model functionality, Reliability, Portability, Usability, Integrity, Testability, flexibility, Reusability, Interoperability, Human engineering and Understandability lies in CPDcD means all these factors lies in all five components of waterfall model. while efficiency and maintainability lies in CPMD means that these two factors lies in Communication ,modeling, planning and development components of Waterfall model[1][5].

Table 8: Occurrence of quality Criterion with Waterfall Model

Models	communication	planning	modeling	Construction	development	deployment	Risk analysis	Engineering	Under develop	Under review	Awaiting changes	Done
Perspective	✓	✓	✓	✓	✓							
Waterfall	✓	✓	✓	✓	✓							
Incremental	✓	✓	✓	✓	✓							
prototype	✓	✓	✓	✓		✓						
RAD	✓	✓	✓	✓		✓						
Spiral		✓				✓	✓	✓				
concurrent									✓	✓	✓	✓

In Table 8 : the list of all Process Models and their respective Criterion is discussed .In Perspective Model Communication, Planning, Modeling, Construction and Development component are present .In Waterfall Model communication ,Modeling, Planning, construction and Development component are present. In Incremental process Model Communication, Modeling, Planning, Construction and development components are present. In Prototype Model, Communication, Modeling, Planning, Construction and deployment are present .In RAD Model communication, Modeling, Planning, Construction and Development are present. In Spiral Model Planning, Deployment, Risk Analysis and Engineering components are present. In Concurrent Development Model Under development, Under Review , Awaiting Changes and Done components are present. In Unified Process Model Inception(Communication, Planning),Elaboration(Planning ,Modeling) and Transition(Construction and Deployment) components are present[1][5].

Table 9: McCall quality factors and Waterfall model

McCall's Q.factors	communication	planning	Modeling	Construction	development
correctness	✓	✓	✓	✓	✓
Reliability	✓	✓	✓	✓	✓
Efficiency	✓	✓	✓	✓	✓
Integrity	✓	✓	✓	✓	✓
Usability	✓	✓	✓	✓	✓
Maintainability	✓	✓	✓	✓	✓
Testability	✓	✓	✓	✓	✓
Flexibility	✓	✓	✓	✓	✓
portability	✓	✓	✓	✓	✓
Reusability	✓	✓	✓	✓	✓

In table 9: the list of all factors of McCall's Quality Model and also their Occurrence in five component i.e Communication ,Planning, Modeling ,and development component of Waterfall Model is discussed .The first factor Correctness is found in Communication, Modeling, Planning ,Construction and Development .The Second factor Reliability is found in Communication, Modeling, Planning ,Construction and Development component of Waterfall model .The third factor Efficiency is found in Communication, Modeling, Planning and Development component of Waterfall Model. The fourth factor Integrity is found in Communication, Modeling, Planning , Construction and Development component of Waterfall model. The fifth factor Usability is found in Communication, Modeling, Planning, Construction and Development Component of Waterfall Model. The sixth factor Maintainability s found in Communication, Planning, Modeling and development component of Waterfall Model. The seventh factor Testability is found in Communication, Planning, Modeling, Construction and development component of Waterfall Model. The eighth factor Flexibility is found in Communication, Modeling, Planning, Construction and development factor of Waterfall Model .The ninth factor Portability is found in Communication, Modeling, Planning, Construction and Development component of Waterfall Model. The tenth factor Reusability is found Communication, Modeling , Planning, Construction and Development components of Waterfall Model[1][5].

Table 10: Boehm quality factors and Waterfall model

Boehm's Q.factors	Communication	Modeling	planning	construction	development
portability	✓	✓	✓	✓	✓
reliability	✓	✓	✓	✓	✓
efficiency	✓	✓	✓	✓	✓
Human Engineering	✓	✓	✓	✓	✓
Testability	✓	✓	✓	✓	✓
Understandability	✓	✓	✓	✓	✓

In table10: the list of all factors of Boehm's Quality Model and also their Occurrence in five component i.e Communication ,Planning ,Modeling ,and Development component of Waterfall Model is discussed .The first factor Portability is found in Communication, Modeling, Planning ,Construction and Development .The Second factor Reliability is found in Communication, Modeling, Planning ,Construction and Development component of Waterfall model .The third factor Efficiency is found in Communication, Modeling, Planning and Development component of Waterfall Model. The fourth factor Human Engineering is found in Communication, Modeling, Planning, Construction and Development component of waterfall model. The fifth factor Testability is found in Communication, Modeling, Planning, Construction and Development Component of waterfall Model. The sixth factor Understandability is found in Communication, Planning, Modeling and development component of Waterfall Model [1][5].

Table 11: Dromey quality factors and Waterfall model

Dromey's Q.factors	Communication	Modeling	Planning	Construction	Development
Functionality	✓	✓	✓	✓	✓
Reliability	✓	✓	✓	✓	✓
Maintainability	✓	✓	✓	✓	✓
Efficiency	✓	✓	✓	✓	✓
Reusability	✓	✓	✓	✓	✓
Portability	✓	✓	✓	✓	✓
Usability	✓	✓	✓	✓	✓

In table11: the list of all factors of Dromey's Quality Model and also their Occurrence in five component i.e Communication ,Planning ,Modeling, construction and Development component of Waterfall Model is discussed .The first factor Functionality is found in Communication, Modeling, Planning ,Construction and Development .The Second factor Reliability is found in Communication, Modeling, Planning ,Construction and Development component of Waterfall model .The third factor Maintainability is found in Communication, Modeling, Planning and Development component of Waterfall Model. The fourth factor Efficiency is found in Communication, Modeling, Planning and Development component of Waterfall model. The fifth factor Reusability is found in Communication, Modeling, Planning, Construction and Development Component of Waterfall Model. The sixth factor portability is found in Communication, Planning, Modeling and development component of Waterfall Model .The seventh factors Usability is found in Communication, Planning, Modeling ,Construction and Development Component of Waterfall Model[1][5].

while efficiency and maintainability lies in CPMD means that these two factors lies in Communication ,modeling, planning and development components of Incremental process model[1][5].

Table 14: Software quality Criterion and Incremental Model

Models	communic ation	planning	modeling	Construc tion	developmt	deploymt	Risk analysis	Engine ring	Under develop	Under review	Awaiting changes	Done
Perspective	✓	✓	✓	✓	✓							
waterfall	✓	✓	✓	✓	✓							
Incremental	✓	✓	✓	✓	✓							
prototype	✓	✓	✓	✓		✓						
RAD	✓	✓	✓	✓		✓						
Spiral		✓				✓	✓	✓				
concurrent									✓	✓	✓	✓

In Table 14 : the list of all Process Models and their respective Criterion is discussed. In Perspective Model Communication, Planning, Modeling, Construction and Development component are present .In Waterfall Model communication ,Modeling, Planning, construction and Development component are present. In Incremental process Model communication, Modeling, Planning, Construction and development components are present. In Prototype Model, Communication, Modeling, Planning, Construction and deployment are present .In RAD Model communication, Modeling, Planning, Construction and Development are present. In Spiral Model Planning, , Risk Analysis ,Engineering and Deployment components are present. In Concurrent Development Model Under development, Under Review , Awaiting Changes and Done components are present. In Unified Process Model Inception(Communication, Planning), Elaboration(Planning ,Modeling) and Transition(Construction and Deployment) components are present[1][5].

Table 15: McCall quality Model and Incremental Model

McCall's Q.factors	communication	planning	Modeling	construction	development
correctness	✓	✓	✓	✓	✓
Reliability	✓	✓	✓	✓	✓
Efficiency	✓	✓	✓		✓
Integrity	✓	✓	✓	✓	✓
Usability	✓	✓	✓	✓	✓
Maintainability	✓	✓	✓		✓
Testability	✓	✓	✓	✓	✓
Flexibility	✓	✓	✓	✓	✓
portability	✓	✓	✓	✓	✓
Reusability	✓	✓	✓	✓	✓

In table 15: the list of all factors of MacCall's Quality Model and also their Occurrence in five component i.e Communication ,Planning, Modeling ,and development component of Incremental Process Model is discussed .The first factor Correctness is found in Communication, Modeling, Planning ,Construction and Development .The Second factor Reliability is found in Communication, Modeling, Planning

,Construction and Development component of Incremental Process Model .The third factor Efficiency is found in Communication, Modeling, Planning and Development component of Incremental Process Model. The fourth factor Integrity is found in Communication, Modeling ,Planning, Construction and Development component of Incremental Process Model. The fifth factor Usability is found in Communication , Modeling, Planning, Construction and Development Component of Incremental Process Model. The sixth factor Maintainability s found in Communication, Planning, Modeling and development component of Incremental Process Model. The seventh factor Testability is found in Communication, Planning, Modeling, Construction and development component of Incremental Process Model. The eighth factor Flexibility is found in Communication , Modeling, Planning, Construction and development Components of Incremental Process Model .The ninth factor Portability is found in communication, Modeling , Planning, Construction and Development component of Incremental Process Model .The tenth factor Reusability is found in Communication, Modeling , Planning, Construction and Development component of Incremental Process Model[1][5].

Table 16: Boehm Model Quality and Incremental Model

Boehm's Q.factors	communication	Modeling	planning	construction	development
portability	✓	✓	✓	✓	✓
reliability	✓	✓	✓	✓	✓
efficiency	✓	✓	✓		✓
Human Engineering	✓	✓	✓	✓	✓
Testability	✓	✓	✓	✓	✓
Understandability	✓	✓	✓	✓	✓

In table 16: the list of all factors of Boehm's Quality Model and also their Occurrence in five component i.e Communication ,Planning ,Modeling ,and Development component of Incremental Process Model is discussed .The first factor Portability is found in Communication, Modeling, Planning ,Construction and Development .The Second factor Reliability is found in Communication, Modeling, Planning ,Construction and Development component of Incremental Process Model .The third factor Efficiency is found in Communication, Modeling, Planning and Development component of Incremental Process Model. The fourth factor Human Engineering is found in Communication, Modeling, Planning, Construction and Development component of Incremental Process Model. The fifth factor Testability is found in Communication, Modeling, Planning, Construction and Development Component of Incremental Process Model. The sixth factor Understandability is found in Communication, Planning, Modeling and development component of Incremental Process Model [1][5].

Table 19: Abbreviations of RAD and quality Models

Abbreviations	
CD: Communication, Deployment	CPM: Communication, Planning, Modeling
CcD: Communication, Construction, Deployment	PM: Planning, Modeling
CMD: Communication, Modeling, Deployment	Pc: Planning, Construction
CMcD: Communication, Modeling, Construction, Deployment	CMc: (Planning, Modeling, Construction)
McD: Modeling, Construction, Deployment	Mc: Modeling, Construction
PMcD: Planning, Modeling, Construction, Deployment	cD: Construction, Deployment
CPD: Communication, Planning, Construction, Deployment	CPD: Communication, Planning, Deployment
CPMcD: Communication, Planning, Modeling, Construction, Deployment	Cc: Communication, Construction
CPMD: Communication, Planning, Modeling, Deployment	PMc: Planning, Modeling, Construction
CD: Communication, , Deployment	PD: Planning, Deployment
PcD: Planning, Construction, Deployment	

In this set theory diagram, Our universal set contains all the factors of McCall's, Boehm's, dromey's and ISO. The overlapping of five Components of Rapid Application development (RAD) Model with quality factors of McCall's, Boehm's, dromey's and ISO is shown. In this diagram C denotes Communication, P denotes planning, M denotes Modeling, c denotes construction and D denotes development. As a result, we have find above mentioned relationship of quality factors with components of RAD model. functionality, Reliability, Portability, Usability, Integrity, Testability, flexibility, Reusability, Interoperability, Human engineering and Understandability lies in CPDcD means all these factors lies in all five components of RAD Model. While efficiency and maintainability lies in CPMD means that these two factors lies in Communication, modeling, planning and development components of RAD Model [1][5].

Table 20: Quality Criteria and RAD Model

Models	communic ation	planning	modeling	Construc tion	developmt	deployment	Risk analysis	Engine ring	Under develop	Under review	Awaiting changes	Done
Perspective	✓	✓	✓	✓	✓							
waterfall	✓	✓	✓	✓	✓							
Incremental	✓	✓	✓	✓	✓							
prototype	✓	✓	✓	✓		✓						
RAD	✓	✓	✓	✓		✓						
Spiral		✓				✓	✓	✓				
concurrent									✓	✓	✓	✓

In Table 20: the list of all Process Models and their respective Criterion is discussed. In Perspective Model Communication, Planning, Modeling, Construction and Development component are present. In Waterfall Model communication, Modeling, Planning, construction and Development component are present. In Incremental process Model communication, Modeling, Planning, Construction and development components are present. In Prototype

Model, Communication, Modeling, Planning, Construction and deployment are present. In RAD Model communication, Modeling, Planning, Construction and Deployment are present. In Spiral Model Planning, Deployment, Risk Analysis and Engineering components are present. In Concurrent Development Model Under development, Under Review, Awaiting Changes and Done components are present. In Unified Process Model Inception(Communication, Planning), Elaboration(Planning, Modeling) and Transition(Construction and Deployment) components are present [1][5].

Table 21: MacCalls Quality Model and RAD Model

MacCall's Q.factors	communication	planning	Modeling	construction	deployment
correctness	✓	✓	✓	✓	✓
Reliability	✓	✓	✓	✓	✓
Efficiency	✓	✓	✓		✓
Integrity	✓	✓	✓	✓	✓
Usability	✓	✓	✓	✓	✓
Maintainability	✓	✓	✓		✓
Testability	✓	✓	✓	✓	✓
Flexibility	✓	✓	✓	✓	✓
Portability	✓	✓	✓	✓	✓
Reusability	✓	✓	✓	✓	✓

In table 21: the list of all factors of McCall Quality Model and also their Occurrence in five component i.e Communication, Planning, Modeling, and deployment component of Rapid Application Model (RAD) Model is discussed. The first factor Correctness is found in Communication, Modeling, Planning, Construction and Deployment. The Second factor Reliability is found in Communication, Modeling, Planning, Construction and Deployment component of Rapid Application Model (RAD) Model. The third factor Efficiency is found in Communication, Modeling, Planning and Deployment component of Rapid Application Model (RAD) Model. The fourth factor Integrity is found in Communication, Modeling, Planning, Construction and Deployment component of Rapid Application Model (RAD) model. The fifth factor Usability is found in Communication, Modeling, Planning, Construction and Deployment Component of Rapid Application Model (RAD) Model. The sixth factor Maintainability is found in Communication, Planning, Modeling and deployment component of RAD Model. The seventh factor Testability is found in Communication, Planning, Modeling, Construction and Deployment component of RAD Model. The eighth factor flexibility is found in Communication, Modeling, Planning, Construction and deployment factor of RAD Model. The ninth factor Portability is found in communication, Modeling, Planning, Construction and Deployment component of RAD Model. The tenth factor Reusability is found in communication, Modeling, Planning, Construction and Development of RAD Model [1][5].

Table 22: Boehm Quality Model and RAD Model

Boehm's Q factors	communication	Modeling	planning	construction	deployment
portability	✓	✓	✓	✓	✓
reliability	✓	✓	✓	✓	✓
efficiency	✓	✓	✓		✓
Human Engineering	✓	✓	✓	✓	✓
Testability	✓	✓	✓	✓	✓
Understandability	✓	✓	✓	✓	✓

In table 22: the list of all factors of Boehm's Quality Model and also their Occurrence in five component i.e Communication ,Planning ,Modeling ,and Deployment component of Rapid Application Model (RAD) Model is discussed .The first factor Portability is found in Communication, Modeling, Planning ,Construction and Deployment components of RAD Model .The Second factor Reliability is found in Communication, Modeling, Planning ,Construction and Deployment component of RAD Model .The third factor Efficiency is found in Communication, Modeling, Planning and Deployment component of RAD Model. The fourth factor Human Engineering is found in Communication, Modeling, Planning, Construction and Deployment component of RAD Model. The fifth factor Testability is found in Communication, Modeling, Planning, Construction and Deployment Component of RAD Model. The sixth factor Understandability is found in Communication, Planning, Modeling and deployment component of RAD Model [1][5].

Table 23: Dromey Quality Model and RAD Model

Dromey's Q factors	communication	Modeling	Planning	Construction	Deployment
Functionality	✓	✓	✓	✓	✓
Reliability	✓	✓	✓	✓	✓
Maintainability	✓	✓	✓		✓
Efficiency	✓	✓	✓		✓
Reusability	✓	✓	✓	✓	✓
Portability	✓	✓	✓	✓	✓
Usability	✓	✓	✓	✓	✓

In table 23: the list of all factors of Dromey's Quality Model and also their Occurrence in five component i.e Communication ,Planning ,Modeling, construction and

Deployment component of Rapid Application Model (RAD) Model is discussed .The first factor Functionality is found in Communication, Modeling, Planning ,Construction and Deployment .The Second factor Reliability is found in Communication, Modeling, Planning ,Construction and Deployment component of RAD Model .The third factor Maintainability is found in Communication, Modeling, Planning and Deployment component of RAD Model. The fourth factor Efficiency is found in Communication, Modeling, Planning and Deployment component of RAD Model. The fifth factor Reusability is found in Communication, Modeling, Planning, Construction and Deployment Component of RAD Model. The sixth factor portability is found in Communication, Planning, Modeling and deployment component of RAD Model .The seventh factors Usability is found in Communication, Planning, Modeling ,Construction and Deployment Component of RAD Model[1][5]

Table 24: ISO Quality Model and RAD Model

ISO Q factors	Communication	Modeling	Planning	Construction	Deployment
Functionality	✓	✓	✓	✓	✓
Reliability	✓	✓	✓	✓	✓
Usability	✓	✓	✓	✓	✓
Efficiency	✓	✓	✓		✓
Maintainability	✓	✓	✓		✓
Portability	✓	✓	✓	✓	✓

In table 24: the list of all factors of ISO Quality Model and also their Occurrence in five component i.e Communication, Planning, Modeling ,Construction and deployment component of Rapid Application Model (RAD) Model is discussed .The first factor Functionality is found in Communication, Modeling, Planning ,Construction and Deployment .The Second factor Reliability is found in Communication, Modeling, Planning ,Construction and Deployment component of RAD Model .The third factor Usability is found in Communication, Modeling, Planning and Deployment component of RAD Model. The fourth factor Efficiency is found in Communication, Modeling, Planning and Deployment component of RAD Model. The fifth factor Maintainability is found in Communication, Modeling, Planning and Deployment Component of RAD Model. The sixth factor portability is found in Communication, Planning, Modeling and deployment component of RAD Model [1][5].

3. CONCLUSION

The attempt of relating Quality Models with Process Models has shown a strong bonding relationship. The Factors, there criterion of Quality Models and the attributes of Process Models have synchronized with each other, resulting in similarity of their properties. By this synchronization the users of software quality insurance can have a wider pitch to justify the development, reliability and implementation of software.

Along with this the enhancement of this work can end up to new quality model which can be justified by the process models. As we all know that designing software, the most important thing is to follow up its process properly.

4. REFERENCES

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