Appendix A

QUESTIONNAIRE

K-Model

Note: The questionnaire is divided into three parts. You must complete part A, Part B and/or Part C.

The aim of the questionnaire is to compare K-Model with other SDLC models against a range of attributes. Please note this questionnaire is designed to collect your feedback/work experience on different SDLC models, and will not be considered as a baseline view or a statement.

This questionnaire will not have any legal liabilities towards you. You can skip any question/information.

PART - A

1) Name of the Organization: ----------------------------------------------------

2) Name of the Contact Person-----------------------------------------------

3) Address: --------------------------------------------------------------------

4) Email: ----------------------------------------------------------------------

5) Contact Info: --------------------------------------------------------------

6) How long the organization involved with software development?
   a) 0-3 year    b) 3-5 year    c) 5-10 year    d) >10 year

7) Organization best described as
   a) Software Development      b) Consulting      c) Research
   d) Education & Training      e) Others

8) How Many People are engaged in software Development?
   a) <4    b) 4-10    c) 11-20    d) >20
9) Types of applications developed in your organization?
   a) MIS       b) Transaction processing       c) E-com/Web based
   d) Embedded   e) Multimedia       f) Others

PART - B (PROJECT)

Section - I (using any SDLC model):

10) Title of the Project developed

11) Domain/Technology/ Platform

12) Which SDLC model/models were used in the project?

13) Duration of the Project
   a) < 3 Months   b) 3-6 Months   c) 7-12 months   d) >1 year

14) Size of the Project
   a) LOC≤5000       b) 5000< LOC ≤ 10000
   c) 10000 < LOC ≤ 15000       d) LOC > 15000

15) People involved with this project
   a) < 3       b) 3-9       c) 10-20       d)>20

16) Function Point Value
   a) FPV≤500       b) 500 < FPV ≤ 1000       c) 1000 < FPV ≤ 1500
   d) FPV > 1500

17) Total expenditure on the project (In INR)
   a) < 50,000       b) 50,000 - 1 lakh       c) 1-5 lakh       d) >5 lakh
18) On this project, to what extent did you value in practice?

(Very low.........................Very High)

1 2 3 4 5

a) Requirement Precision
b) Reliability
c) Return on Investment
d) Maintainability
e) Simplicity
f) Portability
g) Reusability
h) Efficiency

19) Indicate on the following scale how useful it was

(Not useful..............Very Useful)

1 2 3 4 5

a) Ease of developing similar projects
b) Respond to frequent changes
c) Customer involvement
d) Guarantee of Success

**Section - II (using K-Model):**

20) Title of the Project developed  ------------------------------------------

21) Domain/Technology/ Platform -----------------------------------------

22) Duration of Project

a) < 3 Months      b) 3-6 Months      c) 7-12 months      d) > 1 year
Appendices

23) Size of project
   a) LOC ≤ 5000                      b) 5000 < LOC ≤ 10000
   c) 10000 < LOC ≤ 15000             d) LOC > 15000

24) People involved with this project
   a) < 3                               b) 3-9
   c) 10-20                             d) > 20

25) Function Point Value
   a) FPV ≤ 500                           b) 500 < FPV ≤ 1000
   c) 1000 < FPV ≤ 1500                  d) FPV > 1500

26) Total expenditure on the project (In INR)
   a) < 50,000                           b) 50,000- 1 lakh
   c) 1-5 lakh                           d) > 5 lakh

27) On this project, to what extent did you value in practice?

   (Very low..........................Very High)

   1   2   3   4   5

   a) Requirement Precision
   b) Reliability
   c) Return on Investment
   d) Maintainability
   e) Simplicity
   f) Portability
   g) Reusability
   h) Efficiency
28) Indicate on the following scale how useful it was

(Not useful…………….Very Useful)

1        2        3        4       5

a) Ease of developing similar projects
b) Respond to frequent changes
c) Customer involvement
d) Guarantee of Success

Signature:

Name:
Please indicate how strongly you are agree or disagree with each of the following statement as per your analogy/experience of software development with existing models Vs K-Model.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Statement</th>
<th>SA</th>
<th>AG</th>
<th>N</th>
<th>DA</th>
<th>SD</th>
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<tbody>
<tr>
<td>1.</td>
<td>ROI increases with reusing of existing software components in subsequent software development.</td>
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<td>2.</td>
<td>Development risk reduces with K-Model</td>
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<td>3.</td>
<td>Customer involvement is high with K-Model</td>
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<td>4.</td>
<td>K-Model integrates the concern for reuse with Domain engineering, component repository practices and reengineering.</td>
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<td>5.</td>
<td>Software development with reusability and reengineering is more efficient.</td>
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<td>6.</td>
<td>In Software development, domain engineering practices helps to increase the quality and performance.</td>
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<td>7.</td>
<td>Initial efforts are high in maintaining reusable component repository and developing the reusable components but gradually decrease in subsequent developments.</td>
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<td>8.</td>
<td>Reliability of the development process is high with K-Model.</td>
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<td>9.</td>
<td>Incorporating changes are easy into K-Model due to its iterative nature.</td>
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<td>10.</td>
<td>Documentation &amp; training are required to work with K-Model.</td>
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<td>11.</td>
<td>In K-Model, Integrated tools support functionality reduces the manual work.</td>
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<td>12.</td>
<td>K-Model incorporates all the benefits of prototyping, iterative enhancement and incremental development.</td>
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SA-Strongly Agree, AG- Agree, N- Neutral, DA- Disagree, SD- Strongly Disagree

Signature:

Designation:
Appendix B

LIST OF COMPANIES

• GTI Software Pvt. Ltd, Plot No. 2, CDCL, Sector-28, Chandigarh.


• Future edge Teleservices Pvt. Ltd, Business Centre, Office No. 103, Rampal Chowk, Sector-7 Dwarka, New Delhi.

• Riya Infotel, 1B/4860, Old Char Chaman, Karnal.


• Monteage Services, B-86, Ground Floor, Sector-60, Noida.

• QA Infotech, D-403, Vaishali, Sector-4, Ghaziabad.

• HCL Info System Ltd., F-1, Sector-8, Noida.

• ASMI Jewellery India Ltd, Plot No. 18, Road No. 9M, MIDC, Andheri (E), Mumbai.

• Agni Energy, 625, Phase 9, Industrial Area, Mohali (Punjab) – 160062.

• NIIT Ltd, Plot No A-24, Info City, Sector-34, Gurgaon.

• Authentic Engineers, Authentic Control Pvt Ltd, Plot No 341, Sector 7, IMT Manesar, Gurgaon.

• C-Point Computer, Near GGSS School, Railway Road, Karnal.

• QAIT Devlabs, A-59, Sector 59, Noida.

• Solveda Software India Ltd, 504, IRIS Tech Park, Sector-48, Gurgaon.

• Waft Technologies, SCO 263, First Floor, Sec 35 D, Chandigarh.
Appendices

- Computer Technology & Engineering Promotion 2206, Sec 13-17, Panipat.
- Virtual Excellence Pvt. Ltd., Ansal Plaza, Sector-5, Vaishali, Gaziabad.
- Cetus Design Studio, F-34, Rohini, Sector-8, New Delhi – 110086.
- Schlumberger, Block No. 6, Bldg 193/194, P.O. Box 9056, Kuwait.
- MMT, UG-4/747, Sector-5, Vaishali, Ghaziabad.
- EYP Creations, 216, NAC, Shivalic Enclave, Chandigarh.
- Engineers Career Group, SCO 80-81-82, Sector 34/A, Chandigarh.
- Care Next Door Pvt. Ltd, NSIC-IT Incubator Okhla Phase-III, Delhi– 19.
- HCL Technologies Limited, Plot No. 244, Udyog Vihar Phase 1, Gurgaon.
- Virtual Space Info Tech Pvt. Ltd., Preet Vihar, Delhi.
- Melon Sys Solutions, 703, Saba Apartment, Plot D3, Sector-44, Noida.
- Benchmark internet group(l) Pvt. Ltd., 957A, 9th floor, Block B1, Spaze i-Tech Park, Sohna Road, Sect-49, Gurgaon-122018.