

SUMMARY PROPOSAL BUDGET YEAR 1

ORGANIZATION Purdue Research Foundation				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (months)		
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Ahmed K Elmagarmid				AWARD NO.	Proposed	Granted	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-mos.		Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR	
1.	Ahmed K Elmagarmid - Professor			0.00	0.00	0.00	\$ 0
2.	Arif Ghafoor - Professor			0.00	0.00	0.00	0
3.	John T Korb - Facilities Director			0.00	0.00	0.00	0
4.	Kihong Park - Professor			0.00	0.00	0.00	0
5.	Eugene H Spafford - Professor			0.00	0.00	0.00	0
6.	(0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)			0.00	0.00	0.00	0
7.	(5) TOTAL SENIOR PERSONNEL (1 - 6)			0.00	0.00	0.00	0
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1.	(0) POST DOCTORAL ASSOCIATES			0.00	0.00	0.00	0
2.	(0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)			0.00	0.00	0.00	0
3.	(0) GRADUATE STUDENTS						0
4.	(0) UNDERGRADUATE STUDENTS						0
5.	(0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)						0
6.	(0) OTHER						0
TOTAL SALARIES AND WAGES (A + B)							0
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							0
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							0
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
	ATM backbone switch			\$	30,000		
	ATM workgroup switch \$7000 x 3				21,000		
	Database compute engine				55,000		
	Others (See Budget Comments Page...)				299,700		
TOTAL EQUIPMENT							405,700
E. TRAVEL							0
1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)							0
2. FOREIGN							0
F. PARTICIPANT SUPPORT COSTS							
1.	STIPENDS	\$	0				
2.	TRAVEL		0				
3.	SUBSISTENCE		0				
4.	OTHER		0				
(0) TOTAL PARTICIPANT COSTS							0
G. OTHER DIRECT COSTS							
1.	MATERIALS AND SUPPLIES						11,899
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						0
3.	CONSULTANT SERVICES						0
4.	COMPUTER SERVICES						8,000
5.	SUBAWARDS						0
6.	OTHER						40,000
TOTAL OTHER DIRECT COSTS							59,899
H. TOTAL DIRECT COSTS (A THROUGH G)							465,599
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)							
% of MTDC (Rate: 52.00, Base: 59899)							
TOTAL INDIRECT COSTS (F&A)							31,147
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							496,746
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)							0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							\$ 496,746 \$
M. COST SHARING PROPOSED LEVEL \$ 147,613				AGREED LEVEL IF DIFFERENT \$			
PI / PD TYPED NAME & SIGNATURE*			DATE	FOR NSF USE ONLY			
Ahmed K Elmagarmid				INDIRECT COST RATE VERIFICATION			
ORG. REP. TYPED NAME & SIGNATURE*			DATE	Date Checked	Date Of Rate Sheet	Initials - ORG	

SUMMARY PROPOSAL BUDGET COMMENTS - Year 1

**** D- Equipment**

ATM backbone switch (Amount: \$ 30000)
ATM workgroup switch \$7000 x 3 (Amount: \$ 21000)
Database compute engine (Amount: \$ 55000)
Experimental storage server (Amount: \$ 20000)
Gigabit Ethernet switch (Amount: \$ 12000)
MPEG-2 encoder (Amount: \$ 23000)
Other Permanent Equipment (Amount: \$ 38700)
RAID Storage Server (Amount: \$ 18000)
Terrabyte HSM (Amount: \$ 110000)
WFQ & RSVP router \$25000 x 2 (Amount: \$ 50000)
Workstation \$14000 x 2 (Amount: \$ 28000)

**** G-6 Other**

Maintenance

SUMMARY PROPOSAL BUDGET YEAR 2

ORGANIZATION Purdue Research Foundation				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (months)		
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Ahmed K Elmagarmid				AWARD NO.	Proposed	Granted	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-mos.		Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR	
1. Ahmed K Elmagarmid - Professor				0.00	0.00	0.00	\$ 0
2. Arif Ghafoor - Professor				0.00	0.00	0.00	0
3. John T Korb - Facilities Director				0.00	0.00	0.00	0
4. Kihong Park - Professor				0.00	0.00	0.00	0
5. Eugene H Spafford - Professor				0.00	0.00	0.00	0
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)				0.00	0.00	0.00	0
7. (5) TOTAL SENIOR PERSONNEL (1 - 6)				0.00	0.00	0.00	0
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1. (0) POST DOCTORAL ASSOCIATES				0.00	0.00	0.00	0
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)				0.00	0.00	0.00	0
3. (0) GRADUATE STUDENTS							0
4. (0) UNDERGRADUATE STUDENTS							0
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)							0
6. (0) OTHER							0
TOTAL SALARIES AND WAGES (A + B)							0
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							0
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							0
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
ATM backbone switch				\$	30,000		
ATM workgroup switch \$7000 x 3					21,000		
Database compute engine					55,000		
Others (See Budget Comments Page...)					202,000		
TOTAL EQUIPMENT							308,000
E. TRAVEL							0
1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)							0
2. FOREIGN							0
F. PARTICIPANT SUPPORT COSTS							
1. STIPENDS \$ _____							0
2. TRAVEL _____							0
3. SUBSISTENCE _____							0
4. OTHER _____							0
(0) TOTAL PARTICIPANT COSTS							0
G. OTHER DIRECT COSTS							
1. MATERIALS AND SUPPLIES							11,899
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							0
3. CONSULTANT SERVICES							0
4. COMPUTER SERVICES							3,000
5. SUBAWARDS							0
6. OTHER							40,000
TOTAL OTHER DIRECT COSTS							54,899
H. TOTAL DIRECT COSTS (A THROUGH G)							362,899
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)							
% of MTDC (Rate: 52.00, Base: 54899)							
TOTAL INDIRECT COSTS (F&A)							28,547
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							391,446
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)							0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							\$ 391,446 \$
M. COST SHARING PROPOSED LEVEL \$ 155,080				AGREED LEVEL IF DIFFERENT \$			
PI / PD TYPED NAME & SIGNATURE*			DATE	FOR NSF USE ONLY			
Ahmed K Elmagarmid				INDIRECT COST RATE VERIFICATION			
ORG. REP. TYPED NAME & SIGNATURE*			DATE	Date Checked	Date Of Rate Sheet	Initials - ORG	

SUMMARY PROPOSAL BUDGET COMMENTS - Year 2

**** D- Equipment**

ATM backbone switch (Amount: \$ 30000)
ATM workgroup switch \$7000 x 3 (Amount: \$ 21000)
Database compute engine (Amount: \$ 55000)
Experimental storage server (Amount: \$ 20000)
Gigabit Ethernet switch \$12000 x 2 (Amount: \$ 24000)
MPEG-2 encoder (Amount: \$ 23000)
Other permanent equipment (Amount: \$ 39000)
RAID storage servier (Amount: \$ 18000)
WFQ & RSVP router \$25000 x 2 (Amount: \$ 50000)
Workstation \$14000 x 2 (Amount: \$ 28000)

SUMMARY PROPOSAL BUDGET YEAR 3

ORGANIZATION Purdue Research Foundation				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (months)		
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Ahmed K Elmagarmid				AWARD NO.	Proposed	Granted	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-mos.		Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR	
1.	Ahmed K Elmagarmid - Professor			0.00	0.00	0.00	\$ 0
2.	Arif Ghafoor - Professor			0.00	0.00	0.00	0
3.	John T Korb - Facilities Director			0.00	0.00	0.00	0
4.	Kihong Park - Professor			0.00	0.00	0.00	0
5.	Eugene H Spafford - Professor			0.00	0.00	0.00	0
6.	(0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)			0.00	0.00	0.00	0
7.	(5) TOTAL SENIOR PERSONNEL (1 - 6)			0.00	0.00	0.00	0
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1.	(0) POST DOCTORAL ASSOCIATES			0.00	0.00	0.00	0
2.	(0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)			0.00	0.00	0.00	0
3.	(0) GRADUATE STUDENTS						0
4.	(0) UNDERGRADUATE STUDENTS						0
5.	(0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)						0
6.	(0) OTHER						0
TOTAL SALARIES AND WAGES (A + B)							0
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							0
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							0
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
	ATM backbone switch			\$	30,000		
	ATM workgroup switch \$7000 x 2				14,000		
	Gigabit Ethernet switch				12,000		
	Others (See Budget Comments Page...)				188,200		
TOTAL EQUIPMENT							244,200
E. TRAVEL							0
1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)							0
2. FOREIGN							0
F. PARTICIPANT SUPPORT COSTS							
1.	STIPENDS	\$	0				
2.	TRAVEL		0				
3.	SUBSISTENCE		0				
4.	OTHER		0				
(0) TOTAL PARTICIPANT COSTS							0
G. OTHER DIRECT COSTS							
1.	MATERIALS AND SUPPLIES						12,516
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						0
3.	CONSULTANT SERVICES						0
4.	COMPUTER SERVICES						3,000
5.	SUBAWARDS						0
6.	OTHER						40,000
TOTAL OTHER DIRECT COSTS							55,516
H. TOTAL DIRECT COSTS (A THROUGH G)							299,716
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)							
% of MTDC (Rate: 52.00, Base: 55516)							
TOTAL INDIRECT COSTS (F&A)							28,868
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							328,584
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)							0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							\$ 328,584 \$
M. COST SHARING PROPOSED LEVEL \$ 162,362				AGREED LEVEL IF DIFFERENT \$			
PI / PD TYPED NAME & SIGNATURE*			DATE	FOR NSF USE ONLY			
Ahmed K Elmagarmid				INDIRECT COST RATE VERIFICATION			
ORG. REP. TYPED NAME & SIGNATURE*			DATE	Date Checked	Date Of Rate Sheet	Initials - ORG	

SUMMARY PROPOSAL BUDGET COMMENTS - Year 3

**** D- Equipment**

ATM backbone switch (Amount: \$ 30000)

ATM workgroup switch \$7000 x 2 (Amount: \$ 14000)

Gigabit Ethernet switch (Amount: \$ 12000)

Other permanent equipment (Amount: \$ 28200)

Terrabyte HSM (Amount: \$ 110000)

WFQ & RSVP router \$25000 x 2 (Amount: \$ 50000)

SUMMARY PROPOSAL BUDGET YEAR 4

ORGANIZATION Purdue Research Foundation				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (months)		
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Ahmed K Elmagarmid				AWARD NO.	Proposed	Granted	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-mos.		Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR	
1.	Ahmed K Elmagarmid - Professor			0.00	0.00	0.00	\$ 0
2.	Arif Ghafoor - Professor			0.00	0.00	0.00	0
3.	John T Korb - Facilities Director			0.00	0.00	0.00	0
4.	Kihong Park - Professor			0.00	0.00	0.00	0
5.	Eugene H Spafford - Professor			0.00	0.00	0.00	0
6.	(0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)			0.00	0.00	0.00	0
7.	(5) TOTAL SENIOR PERSONNEL (1 - 6)			0.00	0.00	0.00	0
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1.	(0) POST DOCTORAL ASSOCIATES			0.00	0.00	0.00	0
2.	(0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)			0.00	0.00	0.00	0
3.	(0) GRADUATE STUDENTS						0
4.	(0) UNDERGRADUATE STUDENTS						0
5.	(0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)						0
6.	(0) OTHER						0
TOTAL SALARIES AND WAGES (A + B)							0
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							0
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							0
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
	Permanent equipment			\$	8,000		
TOTAL EQUIPMENT							8,000
E. TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)							0
2. FOREIGN							0
F. PARTICIPANT SUPPORT COSTS							
1.	STIPENDS	\$	0				
2.	TRAVEL		0				
3.	SUBSISTENCE		0				
4.	OTHER		0				
(0) TOTAL PARTICIPANT COSTS							0
G. OTHER DIRECT COSTS							
1.	MATERIALS AND SUPPLIES						15,060
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						0
3.	CONSULTANT SERVICES						0
4.	COMPUTER SERVICES						3,000
5.	SUBAWARDS						0
6.	OTHER						40,000
TOTAL OTHER DIRECT COSTS							58,060
H. TOTAL DIRECT COSTS (A THROUGH G)							66,060
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)							
% of MTDC (Rate: 52.00, Base: 58060)							
TOTAL INDIRECT COSTS (F&A)							30,191
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							96,251
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)							0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							\$ 96,251 \$
M. COST SHARING PROPOSED LEVEL \$ 170,696				AGREED LEVEL IF DIFFERENT \$			
PI / PD TYPED NAME & SIGNATURE*			DATE	FOR NSF USE ONLY			
Ahmed K Elmagarmid				INDIRECT COST RATE VERIFICATION			
ORG. REP. TYPED NAME & SIGNATURE*			DATE	Date Checked	Date Of Rate Sheet	Initials - ORG	

SUMMARY PROPOSAL BUDGET COMMENTS - Year 4

**** G-6 Other
Maintenance**

SUMMARY PROPOSAL BUDGET YEAR 5

ORGANIZATION Purdue Research Foundation				FOR NSF USE ONLY			
				PROPOSAL NO.	DURATION (months)		
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Ahmed K Elmagarmid				AWARD NO.	Proposed	Granted	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				NSF Funded Person-mos.		Funds Requested By proposer	Funds granted by NSF (if different)
				CAL	ACAD	SUMR	
1.	Ahmed K Elmagarmid - Professor			0.00	0.00	0.00	\$ 0
2.	Arif Ghafoor - Professor			0.00	0.00	0.00	0
3.	John T Korb - Facilities Director			0.00	0.00	0.00	0
4.	Kihong Park - Professor			0.00	0.00	0.00	0
5.	Eugene H Spafford - Professor			0.00	0.00	0.00	0
6.	(0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)			0.00	0.00	0.00	0
7.	(5) TOTAL SENIOR PERSONNEL (1 - 6)			0.00	0.00	0.00	0
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1.	(0) POST DOCTORAL ASSOCIATES			0.00	0.00	0.00	0
2.	(0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)			0.00	0.00	0.00	0
3.	(0) GRADUATE STUDENTS						0
4.	(0) UNDERGRADUATE STUDENTS						0
5.	(0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)						0
6.	(0) OTHER						0
TOTAL SALARIES AND WAGES (A + B)							0
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)							0
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)							0
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)							
TOTAL EQUIPMENT							0
E. TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)							0
2. FOREIGN							0
F. PARTICIPANT SUPPORT COSTS							
1.	STIPENDS	\$	0				
2.	TRAVEL		0				
3.	SUBSISTENCE		0				
4.	OTHER		0				
(0) TOTAL PARTICIPANT COSTS							0
G. OTHER DIRECT COSTS							
1.	MATERIALS AND SUPPLIES						5,411
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						0
3.	CONSULTANT SERVICES						0
4.	COMPUTER SERVICES						3,000
5.	SUBAWARDS						0
6.	OTHER						40,000
TOTAL OTHER DIRECT COSTS							48,411
H. TOTAL DIRECT COSTS (A THROUGH G)							48,411
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) % of MTDC (Rate: 52.00, Base: 48411)							
TOTAL INDIRECT COSTS (F&A)							25,173
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)							73,584
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)							0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)							\$ 73,584
M. COST SHARING PROPOSED LEVEL \$ 178,848				AGREED LEVEL IF DIFFERENT \$			
PI / PD TYPED NAME & SIGNATURE*			DATE	FOR NSF USE ONLY			
Ahmed K Elmagarmid				INDIRECT COST RATE VERIFICATION			
ORG. REP. TYPED NAME & SIGNATURE*			DATE	Date Checked	Date Of Rate Sheet	Initials - ORG	

SUMMARY PROPOSAL BUDGET COMMENTS - Year 5

**** G-6 Other
Maintenance**

SUMMARY PROPOSAL BUDGET Cumulative

ORGANIZATION Purdue Research Foundation				FOR NSF USE ONLY		
				PROPOSAL NO.	DURATION (months)	
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Ahmed K Elmagarmid				AWARD NO.	Proposed	Granted
					NSF Funded Person-mos.	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)				CAL	ACAD	SUMR
1. Ahmed K Elmagarmid - Professor				0.00	0.00	0.00
2. Arif Ghafoor - Professor				0.00	0.00	0.00
3. John T Korb - Facilities Director				0.00	0.00	0.00
4. Kihong Park - Professor				0.00	0.00	0.00
5. Eugene H Spafford - Professor				0.00	0.00	0.00
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)				0.00	0.00	0.00
7. (5) TOTAL SENIOR PERSONNEL (1 - 6)				0.00	0.00	0.00
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1. (0) POST DOCTORAL ASSOCIATES				0.00	0.00	0.00
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)				0.00	0.00	0.00
3. (0) GRADUATE STUDENTS						0
4. (0) UNDERGRADUATE STUDENTS						0
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)						0
6. (0) OTHER						0
TOTAL SALARIES AND WAGES (A + B)						0
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)						0
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)						0
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)						
\$ 965,900						
TOTAL EQUIPMENT						965,900
E. TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)						0
2. FOREIGN						0
F. PARTICIPANT SUPPORT COSTS						
1. STIPENDS \$ _____ 0						
2. TRAVEL _____ 0						
3. SUBSISTENCE _____ 0						
4. OTHER _____ 0						
(0) TOTAL PARTICIPANT COSTS						0
G. OTHER DIRECT COSTS						
1. MATERIALS AND SUPPLIES						56,785
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						0
3. CONSULTANT SERVICES						0
4. COMPUTER SERVICES						20,000
5. SUBAWARDS						0
6. OTHER						200,000
TOTAL OTHER DIRECT COSTS						276,785
H. TOTAL DIRECT COSTS (A THROUGH G)						1,242,685
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)						
TOTAL INDIRECT COSTS (F&A)						143,928
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)						1,386,613
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECTS SEE GPG II.D.7.j.)						0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)						\$ 1,386,613 \$
M. COST SHARING PROPOSED LEVEL \$ 814,599				AGREED LEVEL IF DIFFERENT \$		
PI / PD TYPED NAME & SIGNATURE*			DATE	FOR NSF USE ONLY		
Ahmed K Elmagarmid				INDIRECT COST RATE VERIFICATION		
ORG. REP. TYPED NAME & SIGNATURE*			DATE	Date Checked	Date Of Rate Sheet	Initials - ORG

Budget Justification Page

This project requests networking, database, and video hardware to create an experimental quality-of-service testbed for multimedia computing environment. The project will support (through cost sharing) a director and full-time technician, who will be responsible for the specification, installation, operation, and maintenance of all equipment purchased by the project. Full details of the equipment justification are given in the proposal.