

**TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME
OF
GOVERNMENT OF INDIA**

**FINE-TUNED CONCISE INSTITUTIONAL PROJECT PROPOSAL
OF
GOVERNMENT INSTITUTE OF ELECTRONICS
SECUNDERABAD, ANDHRA PRADESH**

Submitted Through

**The State Project Adviser, TEQIP
&
The Director Of Technical Education, Andhra Pradesh**

on 27-12-2004

To

**NATIONAL PROJECT IMPLEMENTATION UNIT
ED.CIL HOUSE, PLOT NO. 18 A, SECTOR 16 A,
GAUTAM BUDH NAGAR, NOIDA – 201 301
(UTTAR PRADESH)**

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EXECUTIVE SUMMARY

1. LONG-TERM OBJECTIVE FOR INSTITUTIONAL DEVELOPMENT

The long-term objective of the project is to produce Diploma Engineers in the field of Electronics with self-learning ability and they would be solution finders for a given problem. The students should be able to meet the professional challenges of the Industry.

2. PRAGMATIC PROJECT-PERIOD OBJECTIVES :

- ❖ Achieving 0% drop out rate, 100% pass, 100% placement of the students of this Institution
- ❖ To provide for proper learning ambience, educational facilities, faculty competence, teaching learning processes, participative and supportive management.
- ❖ To promote activities relating to academic excellence, networking of institutions for resource sharing, services to industry and economy and implementation of tribal development plan as laid down in PIP of TEQIP.
- ❖ To strengthen and upgrade the existing lab and library facilities and other learning resources to meet the redefined needs of the institute.
- ❖ To impart training through e-class room facilities and strengthen the existing teaching aids.
- ❖ To modify and repair the existing 50 year old building/workshops to make the best use of space and accommodation in view of the proposed new courses/electives and the redefined goals of the Institute.
- ❖ To provide the facilities of Language Lab, Digital Library, Media Center and Conference Hall.
- ❖ To provide for sufficient faculty and staff training programmes.
- ❖ To improve communication & inter-personnel soft skills of the students up to the expectations of Industry in the backdrop of poor, rural and regional medium students joining this State-wide Institution.
- ❖ To familiarize students with web-technology for updating their knowledge and skills in the field of electronics.

3. MAIN THRUST OF ACTIVITIES:

- ❖ Reinvigorating liaison with the industry
- ❖ The teaching-learning strategy will be industry oriented and practice based and will focus on project-oriented study
- ❖ Pass percentage of the institute is already highest in the State (over 75%); steps will be taken to achieve 100% pass norm. Remedial teaching /Psychological counseling will be given to SC/ ST / Girls students.
- ❖ Taking feed back from the industry, infrastructure facilities will be continuously upgraded so that any facility required for quality maintenance will be readily obtained.
- ❖ Hailing from rural and diverse background because of different socio-economic factors, students at this Institute usually are lacking proper communication skills as they come from regional medium and possess poor psychological make-up. By introducing aggressive steps are proposed for improvement of communication skills and personality development.
- ❖ According to the feedback received from the industry, the students of this Institution find it difficult to make use of the Internet Technology for quality control at shop floor. To overcome this handicap, Internet Technology will be a compulsory subject for all the students and necessary infrastructure facilities will be provided.

- ❖ Faculty will visit the industrial establishments for gaining insights in real time environment and their experiences will be incorporated in technological upgradation in the Institute and teaching-learning strategies.
- ❖ Improved facilities such as the latest teaching aids/learning resources are proposed to pave the way for learner-centered environment.
- ❖ The Institution has long felt need for Conference Hall with all the necessary electronic video-audio facilities. Therefore, the Institution proposes to have a Media Center along with Conference Room facility as also Virtual Class Room facility.
- ❖ Under the TEQIP project, the Institute would initiate certain academic reforms to promote excellence:
 - Provision of wide choice of Electives
 - Offering Dual Diploma Courses
 - Mini-projects for students to apply their knowledge, concepts and ideas
 - Performance appraisal of teachers by students
 - OHP must be made compulsorily available in each classroom
- ❖ Quality Improvement Programmes, Orientation Programmes, Refresher Programmes for Faculty and Staff is a priority area of the Programme activities of the Institute.

4 JUSTIFICATION FOR CIVIL WORKS

The present building of this Institute is over 60-years old that was originally for accommodating the erstwhile Arts & Music college / Technical High School. The present accommodation is , therefore , insufficient , un-hygienic and has lot of leakages.

Actually, during the Second Technician Education Project in Andhra Pradesh under the World Bank Assistance project, Civil works to the tune of the estimated project cost of Rs.89.00 lacs were envisaged, administrative sanction was actually issued for Rs.68.25 lacs whereas the actual work under additional accommodation executed was only for Rs.15.45 lacs.

Under Phase-III of the World Bank Assistance project, a requisition for additional Civil works was also made to provide Civic amenities for Computer room facility, power wiring for all the work shops, providing of iron grills in the verandahs etc. to the tune of Rs.15.00 lacs. But the same could not be executed for administrative reasons. Therefore, the proposed activities on leftover civil works /completion of the existing structures may please be approved as a special case, notwithstanding 10% of the total cost limit of TEQIP in respect of Civil works.

5.0 FINANCIAL REQUIREMENTS UNDER THE PROGRAMME

S.No.	Category of Expenditure	Total project life time allocation (4+5)	Year-wise fund requirement for the remaining period of Project			
			2004-05	2005-06	2006-07	2007-08
(A)	INVESTMENT COST					
1.	Promotion of Academic Excellence	677.56	79.64	236.62	209.80	151.50
2.	Networking	31.13	1.52	11.30	11.20	7.11
3.	Services to Community & Economy	5.75	0.64	2.22	2.22	0.67
4.	Tribal Development Plan	35.56	4.69	15.67	8.10	7.10
	TOTAL	750	86.49	265.81	231.32	166.38

Expected Outputs:

- Improved Management Efficiency
- Improved Academic performance of students
- Better trained students
- Better trained staff
- Modernize Laboratories
- Bi lateral exchange of expertise due to networking
- Better employability.

UNIT-1

CURRENT INSTITUTIONAL INFORMATION

1.1.1 INSTITUTIONAL IDENTITY : POLYTECHNIC

1.1.2 Name of the Institution : GOVERNMENT INSTITUTE OF ELECTRONICS

1.1.3 Names of Head of Institution and Nodal Officers for Academic Activities, Civil Works, Procurement and Financial Aspects, Quality Assurance and Project Implementation Monitoring.

Head & Nodal Officer	Name	Phone Numbers	Mobile Number	Fax Numbers	Email Address
Head of the Institution	A.MUTHAJI	040-23175491	9848531454	040-27730784	amj1948@yahoo.com
Nodal Officers (TEQIP) for:					
Academic Activities	C.Ratna Kumari	040-30900877	9246584766	040-27730784	r_cauta@yahoo.co.in
Civil Works	R.D.Vijay Vardhan	040-23813423	9849175448	040-27730784	rdvijayavardan@yahoo.com
Procurement	C.Mallesham	040-55154465	9440547065	040-27730784	mallesham@rediffmail.com
Financial Aspects	S.Somireddy	040-27170120	9440056011	040-27730784	somioreddy2002@yahoo.co.in
Quality and Efficiency Audit	V.Viswanath Reddy		9848498497	040-27730784	vishwanath@ap.gov.in
Project Implementation Monitoring	B.Venkateswarlu	040-27716590	9848536874	040-27730784	venkatboddula@yahoo.co.in

1.2 ACADEMIC INFORMATION

1.2.1 SPECIAL DIPLOMA COURSES OFFERED IN 2003-2004

S. No	Title of Program	Level ¹	Duration ² (Years)	Year of starting	Sanctioned Annual Intake ³	Total Student strength
	Special Diploma in Electronics with Specialization in:					
1.	Computer Engg	Diploma	3 1/2	1982	40	111
2.	Communication Engg	Diploma	3 1/2	1982	40	114
3.	Industrial Electronics and Instrumentation	Diploma	3 1/2	1982	40	114
4.	Television & Sound Engg.	Diploma	3 1/2	1995	30	83
5.	Bio-Medical Engg.	Diploma	3 1/2	1995	30	90

1.2.2 Total strength of students in all courses and all years of study in 2003-2004 : 512

1.2.3 Total women students in all courses and all years of study in 2003-2004 : 84

1.2.4 Total ST students in all courses and all years of study in 2003 : 17

- 1.2.5 Total SC students in all courses and all years of study in 2003 : 69
 1.2.6 Total OBC students in all courses and all years of study in 2003 : 342

Note: There is a certain gap between the intake of the courses and the students on the rolls owing to drop-outs by those who are unable to continue studies for economic reasons and drop-outs by those students(SC/ST) who are unable to cope with standards of the Institute .However, efforts are on the anvil to avert this problem.

1.2.7 Doctoral Programs: Not Applicable

1.2.8 Accreditation Status of Programmes

Level of Programs	Total Number of Programs being offered	Number of Programs Eligible for Accreditation	Total Number of Programs Accredited in		Jumber of Programs for which Accreditation Applied for
			2002	2003	
Diploma	05	05	-	-	02*

* As per the advice given by NPIU in its comments, *application for accreditation for the remaining 3 courses being submitted to NBA*

1.3 TEACHING STAFF STATUS :

1.3.1 Regular/On-Contract Teaching Staff (2004-05) as on July 31, 2004

Type of Staff	No. Sanctioned	Status	Number in Position by Highest Qualification						Total Number in Position	Total Vacancies
			PhDs		Post- graduates		Degree Holders			
			Engg.	Other	Engg.	Other	Engg.	Other		
Head of Section	6	Regular	-	-	3	1	2	-	6	nil
Senior Lecturer	9	Regular	-	1	5	2	1	-	9	nil
Lecturer	33	Regular	-	1	12	6	14	-	32	1

1.3.2 Visiting Faculty/Part-time Teaching Staff (2003-04) : On average 2 hours/weeks

1.4 AVERAGE RECURRENT COST PER STUDENT: 0.32 lacs

1.5 CURRENT TEACHER-STUDENT RATIO: 1 : 10

UNIT 2

VISION

2.0 INSTITUTIONAL VISION

“To be equipped with the state of the art technology, attract and retain talented human resource, impart theoretical inputs as well as practical skills commensurate with the industry needs and mature into a world-class Institute”

2.1 A Pragmatic Project Period Objective

- i. to provide opportunity for faculty and students for getting a thorough exposure to current developments in their respective fields of specialization;
- ii. to create facilities for skill development in the learning process;
- iii. to give participation to the students in solving industrial problems;
- iv. to motivate the students to think independently and help them improve their entrepreneurial skills;
- v. to sensitize the students towards needs and aspirations of the electronics industry and the society at large;
- vi. to frame competency based learning and industry oriented curriculum;
- vii. to develop in students the interest for self-learning, i.e., learners to learn how to learn;
- viii. to ultimately aim at wholesome personality development in students so that they will eventually help realize the vision of the Institution.

2.2 Key activities in order of priority to achieve pragmatic future

1. To provide for proper learning ambience, educational facilities, faculty competence, teaching learning processes, participative and supportive management.
2. To promote activities relating to academic excellence, networking of institutions for resource sharing, services to industry and economy and implementation of tribal development plan as laid down in PIP of TEQIP.
3. To strengthen and upgrade the existing lab and library facilities and other learning resources to meet the redefined needs of the institute.
4. To impart training through e-class room facilities and strengthen the existing teaching aids.

5. To modify and repair the existing 50 year old building/workshops to make the best use of space and accommodation in view of the proposed new courses/electives and the redefined goals of the Institute.
6. To provide the facilities of Language Lab, Digital Library, Media Center and Conference Hall.
7. To introduce a new course in the emerging field of Embedded Systems and introduce new elective subjects such as Wireless Communication, VLSI Design, Micro Controllers & Applications, Basics of IC Design, Multimedia & Computer Graphics, JAVA Programming, Advanced Micro Controllers, Bio-medical Signal Processing, Digital Design using HDLs, Web Designing and Internet Engineering.
8. To provide for sufficient faculty and staff training programmes.
9. To improve communication & inter-personnel soft skills of the students up to the expectations of Industry in the backdrop of poor, rural and regional medium students joining this State-wide Institution.
10. To familiarize students with web-technology for updating their knowledge and skills in the field of electronics.
11. To conduct remedial classes for SC/ST/OBC students so that they compete with the other students.

UNIT-3

IMPLEMENTATION OF INSTITUTIONAL REFORMS

Academic Reforms	Activities to be undertaken in brief*	Indicate starting and completion time			
		2004-05	2005-06	2006-07	2007-08
1. Flexibility in academic programmes	Provision of wide choice of electives	existing		***	
	Dual Diploma (approval from SBTET being sought)	-	✓	***	
	Giving choice to the student to choose the teacher from the faculty for all common/ Engg subjects offered at the time slots	-	✓	***	
2. Introduction of reforms in student performance evaluation	Continuous evaluation and feed back to students	existing		***	
	Assignments in different topics	existing		***	
	Mini projects enabling students to apply their knowledge, concepts & ideas in electronics	existing		***	
	Problem solving projects	existing		***	
	Group projects	existing		***	
3. Establishment of a system for teacher performance appraisal by students, and teacher counseling	Performance appraisal of teachers by students, peer group and counselling by senior faculty	-	✓	***	
4. Providing incentives to faculty for participation in continuing education programmes, consulting services, services to community and industry and for securing sponsored research & development projects	Certificate of appreciation	-	✓	***	
	Commendation entries in service register	-	✓	***	
	Cash awards	-	✓	***	
	Preferential treatment for training, QIP, Study tours, paper presentations, etc.,	-	✓	***	
	Retention at this state-wide Institute	-	✓	***	

Note :

✓ = **Starting**

*** = **Will be Continued**

5.Establishment of a system for recognizing merit and outstanding performance of teachers	Feed back from students, peer group, supervisory staff, alumni, etc., & scrutiny of the same by the Evaluation Committee of the Institute.		✓	***
6.Offering service packages that would attract and retain good quality faculty	Extra increment for excellent performance, extra share from internal resource generation funds.		✓	***
7.Establishment of a system for maintaining record of graduates and conducting regular tracer studies	A separate Cell to be created for tracer studies and consultancy agencies to be involved when necessary.		✓	***
8.Establishment of a governance system with participation of stakeholders	Board of Governors, representing all the stakeholders of the Institution,	✓		***
9.Establishment of a modern management system – delegation of decision making, administrative and financial powers to senior functionaries with accountability	Delegation of financial powers to Heads of Sections to procure course work materials	Existing		***
	Regular staff meetings to review academic progress, issues and grievances of the faculty and staff, consultations and involvement of different levels of faculty and students in decision making process.			
10.Modernization of administrative and financial management system to increase staff and student friendliness, increase time efficiency and resource efficiency	Optimum utilization of space, equipment and maintaining records to that effect; displaying list of experiments to be conducted.	✓		***

Note:

✓ = **Starting**

*** = **Will be Continued**

11.Establishment of a Corpus Fund for development activities, a Staff Development Fund for supporting critical staff development activities, a Depreciation Fund for modernization of teaching and training facilities and Maintenance Fund for upkeep of equipment and physical infrastructure	i) Corpus Fund : <u>1% of yearly budget</u> ii) Staff Development Fund : <u>½ % of yearly budget</u> iii) Depreciation Fund : <u>1% of yearly budget</u> iv) Maintenance Fund : <u>½% of yearly budget</u>	-	✓	***
12.Instituting measures for increasing recovery of cost of education	Reducing the subsidy portion of various fees being paid by students	-	✓	***
	Enhancing library, games and other fees	-	✓	***
	Levy of development fee	-	✓	***
		-	✓	***
13.Instituting practices for maximizing utilization of resources and reducing wastage	Organizing centralized facilities for various laboratories/library and keeping them open for the use of students 12 hours a day and 7 days a week.	✓		***
14.Establishment of mechanisms for regular quality and efficiency audit of institutional activities including academic processes and administrative procedures.	Quality Assurance Cell will undertake examination of log books, result reviews, AMC of equipment, external academic squads, expert group visits and studies, department/college level Committees.	✓		***

✓ = Starting
 *** = Will be Continued

UNIT-4

ACADEMIC EXCELLENCE

4.1 PRIORITIES

Prioritized objectives for the Project Period ('1' is highest , '9' lowest)

S. No.	Objectives	Priority
1.	Achieving 0% drop out rate, 100% pass, 100% placement of the students of this Institution.	1
2.	Imparting instruction in such a way that the students will possess excellent communication, inter personnel and soft skills	1
3.	Introducing new electives/new course in the emerging fields of Electronics Engg.,	2
4.	Modification of the existing building/workshops to make optimum use of available space and accommodation on the campus	1
5.	Improving undergraduate teaching/learning processes through better curricula, better faculty competence, better delivery, better interaction, development of proper attributes, and exposure to industrial practices, closer liaison with the industry in revision of curriculum and instructional processes	1
6.	Increasing facilities for Diploma level education in the field of electronics, equipment & LRs, internet access, networking of the campus, digital library, etc	2
7.	Increasing efficiency and effectiveness of the education process through better academic discipline and improved governance	2
8.	Remedial classes for slow learners, adoption of innovative learning packages.	2

4.2 CURRICULUM REVISION

4.2.1 Reorientation/Restructuring/closure of UG/PG Programmes

4.2.2 Diploma programmes to be reoriented

Name of the Programme	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Introducing New Electives in all Courses	Existing	Will be Continued		

4.2.3 Diploma programmes to be restructured : NIL

4.2.4 Diploma programmes to be closed : NIL

4.2.5 Curriculum Improvement/Upgradation of Curricula

Name of the curricula to be improved	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Revision&Upgradation of all Courses-starting	July 2004			
Revision&Upgradation of all Courses-completion		April 2005		

4.3 MODERNIZATION OF LABORATORIES AND WORKSHOPS INCLUDING REMOVAL OF OBSOLESCENCE

Department	Name of the lab/workshop	Purpose/linkage to existing Programme	Indicate starting and completion time			
			2004-05	2005-06	2006-07	2007-08
Computer Engg.,	a) Multimedia lab b) Testing and fault analysis lab	Revision of curriculum & obsolescence of equipment		July 05	Dec 06	
Communication Engg	a) Electronics lab b)Communication, microwave and Fiber optics lab	Revision of curriculum & obsolescence of equipment		Aug 05	Jan 06	
Industrial Electronics	a) Measurements lab b)Digital& Microprocessor lab	Revision of curriculum & obsolescence of equipment		Sep 05	Mar 06	
TV & Sound Engg	a) Television lab b) TV Studio	Revision of curriculum & obsolescence of equipment		Dec 05		July 06
Biomedical Engg	a) Biomedical equipment lab	Revision of curriculum & obsolescence of equipment		Nov 05	Nov 06	

4.4 NEW PROGRAMME PROPOSED

Name of the Program	Level (UG/PG)	Proposed Annual Intake	Proposed Year of Starting	AICTE Approval	
				Obtained (YES/NO)	Applied for (YES/NO)
Diploma in Electronics with specialization in Embedded Systems	Diploma	30	2006	No	Application being submitted

Justification: Embedded system is a tool to find solutions for strategic, commercial, consumer applications like high performance electronic devices, telecom/datacom, networking, remote controls, smart cards, etc., thus there is a lot of future and current demand for the above subject. The central facilities already available will come handy for the above new course and only two key additional staff is proposed for support under the programme.

In response to the comments offered by NPIU, it is to clarify that the above subject has already been offered as an elective in the VI semester of all the five courses offered at the Institute.

4.5 AREAS OF DOCTORAL PROGRAMMES: Not Applicable

4.6 ESTABLISHMENT OF NEW LABORATORIES AND WORKSHOPS

Department	Name of the lab/workshop	Purpose/ linkages to an existing/ new Programme	Indicate starting and completion time			
			2004-05	2005-06	2006-07	2007-08
Central facility	English Language Lab	Poor Communication skills of students		July05	July06	
TV&Sound Engg	Digital Sound Lab	In this digital era, exposure to these skills will improve employability and ensure better quality.		Dec05		Sec07
TV&Sound Engg	DV Pro Lab				July06	Sec07
Central facility	Embedded HW Lab	Provides hands on experience in the applications of electronics and finding solutions for strategic, commercial, consumer applications.		July05		July06
Communication	Mobile Communication	Provides exposure to the recent trends adopted in digital & Mobile Communication Systems		July05		July06
Central facility	PCB, FPGA & VLSI Labs	Providing exposure in these areas/tools will improve the employability in these highly demanding areas		July05		July06

4.7 ADDITIONAL FACULTY AND STAFF REQUIRED

Purpose	Designation	Numbers
For the proposed new course of Embedded System, utilizing the available posts for the faculty, two essential posts are proposed for supervisory and leading activities of the new course.	Head of Section	1
	Sr.Lecturer	1

4.8 FACULTY & STAFF DEVELOPMENT (LOCAL FELLOWSHIP PROGRAMS)

Area of Training (slide numbers ---- of the presentation)	Training duration	
	Within India	
	No. of Persons	Person months
Communication Technologies	06	03
Advanced Computer Communications & Technologies	06	06
Advanced Software Technologies	06	06
Advanced Process Instrumentation	04	04
Digital Design & Embedded Systems	06	06
Refresher Courses in Applied Sciences	04	04
Refresher Courses in Applied Linguistics & Spoken English	02	04
Telemedicine	04	04
TV Production Technology	03	03
Ethics In Education	10	05
Technical Report Writing	06	03
Communication Skills for Technical Teachers	10	05
Best Practices in Technical Teaching	10	03

4.9 STAFF DEVELOPMENT (WITHIN INDIA ONLY)

Functional areas of training	Training duration	
	No. of Persons	Person months
Office Automation	06	04
Management Skills	03	04
Financial Management	02	02
Accounting Packages	03	03
Digital Library	02	02

4.10 IMPROVED IMPLEMENTATION OF CURRICULA

Activity	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Continuous student performance assessment and feedback to students	Existing	Will be Continued		
Organization of remedial instructions	Existing	Will be Continued		
Extensive use of media	Existing	Will be Continued		
Visits for training in industry	Existing	Will be Continued		
Inviting expert lectures from industry and field	Existing	Will be Continued		
Problem solving projects from industry and community	Existing	Will be Continued		
Innovations in teaching methodology	Existing	Will be Continued		

4.11 IMPROVEMENT IN STUDENT EVALUATION

Activity	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Continuous assessment	Existing	Will be Continued		
Open book system in specific subjects on experimental basis as a pilot project		July 05		
Entry and exit study of students regarding their academic and soft skills		July 05		
The standing committee on student evaluation shall submit a quarterly review report to BOG		July 05		

4.12 RESEARCH AND CONSULTANCY

Activities to be taken for implementation	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
• Establishment of Problem solving projects Cell		July 05		
• Establishment of Consultancy Cell		July 05		
• Organizing state of the art lectures		July 05		

4.13 ENHANCED INTERACTION WITH INDUSTRY

Activity	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Establish I-I-I Cell	Existing	Will be continued		
Conduct Continuing Education Programmes	-	-	-	-
Organizing Industrial training of faculty		July 05		
Industrial training of students	Existing	Will be continued		
Undertaking Consultancy	Existing	Will be continued		

4.14 TRIBAL DEVELOPMENT PLAN (TDP)

Identified Activities	Indicate starting and completion time			
	2004-05	2004-05	2006-07	2007-08
The institution shall continue to implement the official reservation policy for SC/ST/OBC candidates.	Existing	Will be continued		
All the government welfare programs shall be implemented scrupulously	Existing	Will be continued		
Special drive training for these students for acquiring excellent communication, inter personnel and soft skills & training in English language lab		July 05	Will be continued	
The following activities shall be undertaken: Orientation to the institution, guidance and counseling, Remedial classes, book bank, grievance redressal cell		Feb 05	Will be continued	

UNIT-5

NETWORKING

5.1 FORMAL NETWORKING

a) Name of the 1st Network Partner : **Osmania University College of Engineering, Hyderabad**

Activities/Services/Support which outgo from our institution to the network partner No.1	Indicate starting and completion time				Areas of support to be received from the above network partner	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08		2004-05	2005-06	2006-07	2007-08
Offering expertise in the following areas where we are strong					Support activities in the following areas				
1) Visiting faculty in Bio-medical signal processing, VLSI, English Language Training	-	Aug 05	Will be Continued		1) Visiting faculty in Mobile Communication, Internet Technologies, RTOS.		Aug 05	Will be Continued	
2) Use of resources like Bio-Medical Servicing lab, Library, Process Instrumentation Laboratories,		Sep 05	Will be Continued		2) Use of resources like Bio-Medical Instrumentation Centre, Entrepreneur Development Centre, Library, Language Laboratory		Sep 05	Will be Continued	
3) Providing Community Development programmes in areas like Video editing & shooting, mobile cells servicing, TV/Radia repairing etc		Oct 05	Will be Continued		3) Help to establish a link with reputed institutes having MOU with OUCE		Oct 05	Will be Continued	
4) We can develop educational CD in any technical area of their choice		Nov05	Will be Continued		4) Training/Refresher courses to the faculty of GIOE		Nov05	Will be Continued	
5) Computer training to the Non-Teaching staff		Aug 05	Will be Continued						

b) Name of the 2nd Network Partner : JNTU College of Engineering, Hyderabad

Activities/Services/Support which outgo from our institution to the network partner	Indicate starting and completion time				Areas of support to be received from the above network partner	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08		2004-05	2005-06	2006-07	2007-08
Offering expertise in the following areas					Support activities in the following areas				
1) Visiting faculty in Bio-medical signal processing, Computer networking, VLSI, English Language Training	-	Aug 05	Will be Continued	-	1) Visiting faculty in Mobile Communication, Micro controllers, RTOS, Embedded Systems, etc.,		Aug 05	Will be Continued	
2) Use of resources like Bio-Medical Servicing lab, Library, Process Instrumentation Laboratories,		Sep 05	Will be Continued		2) Staff Training to bring institution reforms with reference to conduct of examinations		Sep 05	Will be Continued	
3) Providing Community Development programmes in areas like Video editing & shooting, mobile cells servicing, TV/Radia repairing etc		Oct 05	Will be Continued		3) Short term training programmes to staff		Oct 05	Will be Continued	
4) We can develop educational CD in any technical area of their choice		Nov05	Will be Continued		4) Sharing of resources like library, laboratories, digital libraries etc.		Nov05	Will be Continued	
5) Computer training to the Non-Teaching staff		Aug 05	Will be Continued		5) Continuing educational programmes to the staff		July05	Will be Continued	

c) Name of the 3rd Network Partner: **Rajiv Gandhi Memorial College of Engg & Tech, Nandyal**

Activities/Services/Support which outgo from our institution to the network partner	Indicate starting and completion time				Areas of support to be received from the above N/W partner	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08		2004-05	2005-06	2006-07	2007-08
Offering expertise in the following areas					Support activities in the following areas				
1) Visiting faculty in Bio-medical signal processing, Computer networking, VLSI, English Language Training	-	Aug 05	Will be Continued -		1) Visiting faculty in Mobile Communication, Micro controllers, RTOS, Embedded Systems, etc.,		Aug 05	Will be Continued -	
2) Use of resources like Bio-Medical Servicing lab, Library, Process Instrumentation Laboratories,		Sep 05	Will be Continued		2) Staff Training to bring institution reforms with reference to conduct of examinations		Sep 05	Will be Continued	
3) Providing Community Development programmes in areas like Video editing & shooting, mobile cells servicing, TV/Radia repairing etc		Oct 05	Will be Continued		3) Short term training programmes to staff		Oct 05	Will be Continued	
4) We can develop educational CD in any technical area of their choice		Nov05	Will be Continued		4) Sharing of resources like library, laboratories, digital libraries etc.		Nov05	Will be Continued	
5) Computer training to the Non-Teaching staff		Aug 05	Will be Continued		5) Continuing educational programmes to the staff		July05	Will be Continued	

5. 2 Non-Formal Networking

a) Name of the 5th Network Partner : **VEDA Institute of Information Technology, Hyderabad**

Activities/Services/Support which outgo from our institution to the network partner	Indicate starting and completion time				Areas of support to be received from the above network partner	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08		2004-05	2005-06	2006-07	2007-08
Offering expertise in the following areas					Support activities in the following areas				
Supply of trained manpower to the industry	Existing	Will be Continued			1. Training facilities to the staff & students		Jul05	Will be Continued	
					2. Expert lectures in Embedded Systems, VLSI, IC Design, PCB Design, FPGA, etc.,		Aug 05	Will be Continued	
					3. Training programmes to the staff		Oct 05	Will be Continued	
					4. To design the curriculum	Existing	Will be Continued		

b) Name of the 6th Network Partner : **Ramoji Film City, Hyderabad**

Activities/Services/Support which outgo from your institution to the network partner No.6	Indicate starting and completion time				Areas of support to be received from network partner no.6	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08		2004-05	2005-06	2006-07	2007-08
Offering expertise in the following areas					Support activities in the following areas				
Supply of trained manpower to the industry	Existing	Will be Continued			1. Training facilities to the staff & students		Jul05	Will be Continued	
					2. Expert lectures in the field of Digital Audio, Digital Video, TV Production, Linear & Non-Linear Editing techniques, etc.,		Aug 05	Will be Continued	
					3. Training programmes to the staff		Oct 05	Will be Continued	
					4. To design the curriculum	✓	✓	✓	
					5. Industrial visits to the students	✓	✓		

UNIT-6

SERVICES TO COMMUNITY AND ECONOMY

6.1 Services to Community and Economy

a) Services to be rendered to the Community

Identified Activities	Indicate starting and completion time			
	2004-05	2004-05	2006-07	2007-08
Technical assistance , Advisory services in the following areas:				
Promotion of computer literacy among women in the surrounding areas of the institute	-	Sep05	Will be continued	
Video Shooting & Editing for the youth in the accessing areas of the institute	-	Oct 05	Will be continued	

b) Services to be extended to the unorganized labor force

Identified Activities	Indicate starting and completion time			
	2004-05	2004-05	2006-07	2007-08
TV/Radio servicing	Existing	Will be continued		
Video Shooting & Editing	-	Sep05	Will be continued	
Cell Phone Servicing & Repairing	Existing	Will be continued		
Servicing of Home Appliances	-	Oct05	Will be continued	
Servicing of Computer Printers, Xerox machines, etc.,	-	Nov05	Will be continued	
DTP Training	Existing	Will be continued		

c) Services to be extended to the the organized labor force

Identified Activities	Indicate starting and completion time			
	2004-05	2004-05	2006-07	2007-08
Continuing education programmes in the field of computer and communication engineering	-	Sep05	Will be continued	
Fundamentals of Hardware and Trouble shooting	-	NOv05	Will be continued	
Networking concepts	-	Jan06	Will be continued	
Auto CAD/CAM	-	Feb06	Will be continued	
MS Office 2000	Existing	Will be continued		

UNIT-7

Overall Programme Life Time Financial requirements for Institutional Development

7.1 PROMOTION OF ACADEMIC EXCELLENCE (FINANCIAL REQUIREMENT) – TOTAL OF 7.1.1 TO 7.1.5

(Rs in lacs)

S.No.	Category of Expenditure	Allocation indicated to institution**	Proposed reappropriation of allocation of col.3	Additional funds required to meet priorities	Total project life time allocation (4+5)	Year-wise fund requirement for the remaining period of Project			
						2004-05	2005-06	2006-07	2007-08
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(A)	INVESTMENT COST								
1.	Civil Works*				74.00	30.00	44.00		
2.	Equipment				329.91	30.61	106.89	120.00	72.41
3.	Furniture				21.39	3.00	8.00	8.00	2.39
4.	Vehicles				7.50	-	7.50	-	-
5.	Books and Learning Resources				50.00	5.00	15.00	17.50	12.50
6.	Consultancy Services** & Research Studies				25.50	5.00	7.50	6.50	6.50
7.	Training/Study Tours/Fellowships (Local & Foreign)				93.18	3.18	30.00	30.00	30.00
Sub Total (A)					601.48	76.79	218.89	182.00	123.80
(B)	INCREMENTAL OPERATING COST								
8.	Salaries for Additional Key Faculty and Staff				22.5	0	6.00	8.50	8.00
9.	Consumables				29.73	2.33	9.20	9.20	9.00
10.	Operation & Maintenance				59.41	5.21	18.20	18.20	17.80
Sub Total (B)					111.64	7.54	33.4	35.9	34.8
Grand Total (A+B)					713.12	84.33	252.29	217.90	158.60

** Allocation indicated not intimated

7.1.1 Tribal Development Plan

(Rs in lacs)

S.No.	Category of Expenditure	Allocation indicated to institution **	Proposed reappropriation of allocation of col.3	Additional funds required to meet priorities	Total project life time allocation (4+5)	Year-wise fund requirement for the remaining period of Project			
						2004-05	2005-06	2006-07	2007-08
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(A)	INVESTMENT COST								
1.	Equipment (Language Lab)				6.89	-	6.89	-	-
2.	Furniture				0.68	-	0.68	-	-
3.	Books and Learning Resources				10.00	2.50	2.50	2.50	2.50
4.	Training/Workshop				10.00	0.50	3.50	3.50	2.50
Sub Total (A)					27.57	3.00	13.57	6.00	5.00
(B)	INCREMENTAL OPERATING COST								
5.	Salaries for Additional Key Faculty and Staff/Consultancy				4.00	1.00	1.00	1.00	1.00
6.	Consumables				1.33	0.13	0.40	0.40	0.40
7.	Operation & Maintenance				2.66	0.56	0.70	0.70	0.70
Sub Total (B)					7.99	1.69	2.10	2.10	2.10
Grand Total (A+B)					35.56	4.69	15.67	8.10	7.10

** Allocation indicated not intimated

7.1.2 Institutional Management Capacity Development

(Rs in lacs)

S.No.	Category of Expenditure	Allocation indicated to institution **	Proposed reappropriation of allocation of col.3	Additional funds required to meet priorities	Total project life time allocation (4+5)	Year-wise fund requirement for the remaining period of Project			
						2004-05	2005-06	2006-07	2007-08
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(A)	INVESTMENT COST								
1.	Training/Study Tours/Fellowships (Local & Foreign)				10.00	-	-	5.00	5.00
Total					10.00	-	-	5.00	5.00

** Allocation indicated not intimated

Implementation of Reforms

(Rs. in lacs)

S.No.	Category of Expenditure	Allocation indicated to institution **	Proposed reappropriation of allocation of col.3	Additional funds required to meet priorities	Total project life time allocation (4+5)	Year-wise fund requirement for the remaining period of Project			
						2004-05	2005-06	2006-07	2007-08
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(A)	INVESTMENT COST								
1.	Books and Learning Resources				5.00	-	2.50	2.50	-
2.	Consultancy Services & Research Studies				7.00	1.00	2.00	2.00	2.00
3.	Training/Study Tours/Fellowships (Local & Foreign)				12.00	1.00	4.00	5.00	2.00
Sub Total (A)					24.00	2.00	8.50	9.50	4.00
(B)	INCREMENTAL OPERATING COST								
4.	Consumables				1.20	0.20	0.40	0.40	0.20
5.	Operation & Maintenance				2.40	0.40	0.80	0.80	0.40
Sub Total (B)					3.6	0.6	1.2	1.2	0.6
Grand Total (A+B)					27.60	2.60	9.70	10.70	4.60

** Allocation indicated not intimated

Project Monitoring and Implementation

(Rs in lacs)

S.No.	Category of Expenditure	Allocation indicated to institution **	Proposed reappropriation of allocation of col.3	Additional funds required to meet priorities	Total project life time allocation (4+5)	Year-wise fund requirement for the remaining period of Project			
						2004-05	2005-06	2006-07	2007-08
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(A)	INVESTMENT COST								
1.	Consultancy Services & Research Studies				12.50	2.50	4.00	3.00	3.00
2.	Training/Study Tours/Fellowships (Local & Foreign)				13.50	0.50	5.00	5.00	3.00
Sub Total (A)					26.00	3.00	9.00	8.00	6.00
(B)	INCREMENTAL OPERATING COST								
3.	Consumables				1.30	0.10	0.40	0.40	0.40
4.	Operation & Maintenance				2.60	0.50	0.70	0.70	0.70
Sub Total (B)					3.90	0.60	1.10	1.10	1.10
Grand Total (A+B)					29.90	3.60	10.10	9.10	7.10

** Allocation indicated not intimated

Financial Requirement for Promotion of Academic Excellence other than Tribal Development (7.1.1), Institutional Management Capacity Development (7.1.2), Implementation of Reforms (7.1.3) and Project Monitoring and Implementation (7.1.4)

(Rs in lacs)

S.No.	Category of Expenditure	Allocation indicated to institution **	Proposed reappropriation of allocation of col.3	Additional funds required to meet priorities	Total project life time allocation (4+5)	Year-wise fund requirement for the remaining period of Project			
						2004-05	2005-06	2006-07	2007-08
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(A)	INVESTMENT COST								
1.	Civil Works*				74.00	30.00	44.00	-	-
2.	Equipment and teaching aids				323.02	30.61	100.00	120.00	72.41
3.	Furniture				20.71	3.00	7.32	8.00	2.39
4.	Vehicles				7.50	-	7.50	-	-
5.	Books and Learning Resources				35.00	2.50	10.00	12.50	10.00
6.	Consultancy Services** & Research Studies				2.00	0.50	0.50	0.50	0.50
7.	Training/Study Tours/Fellowships (Local & Foreign)				47.68	1.18	17.50	11.50	17.50
Sub Total (A)					509.91	67.79	186.82	152.50	102.80
(B)	INCREMENTAL OPERATING COST								
8.	Salaries for Additional Key Faculty and Staff				22.50	-	6.00	8.50	8.00
9.	Consumables				25.90	1.90	8.00	8.00	8.00
10.	Operation & Maintenance				51.75	3.75	16.00	16.00	16.00
Sub Total (B)					100.15	5.65	30.00	32.50	32.00
Grand Total (A+B)					610.06	73.44	216.82	185.00	134.80

** Allocation indicated not intimated

7.2 NETWORKING (FINANCIAL REQUIREMENT)

(Rs in lacs)

S.No.	Category of Expenditure	Allocation indicated to institution **	Proposed reappropriation of allocation of col.3	Additional funds required to meet priorities	Total project life time allocation (4+5)	Year-wise fund requirement for the remaining period of Project			
						2004-05	2005-06	2006-07	2007-08
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(A)	INVESTMENT COST								
1.	Equipment*				0.0	0.0	0.0	0.0	0.0
2.	Training/Workshop				27.07	1.07	10.0	10.0	6.0
Sub Total (A)					27.07	1.07	10.0	10.0	6.0
(B)	INCREMENTAL OPERATING COST								
3.	Consumables				1.35	0.15	0.40	0.40	0.40
4.	Operation & Maintenance				2.71	0.30	0.90	0.80	0.71
Sub Total (B)					4.06	0.45	1.30	1.20	1.11
Grand Total (A+B)					31.13	1.52	11.30	11.20	7.11

** Allocation indicated not intimated

7.3 SERVICES TO COMMUNITY & ECONOMY (FINANCIAL REQUIREMENT)

(Rs in lacs)

S.No.	Category of Expenditure	Allocation indicated to institution **	Proposed reappropriation of allocation of col.3	Additional funds required to meet priorities	Total project life time allocation (4+5)	Year-wise fund requirement for the remaining period of Project			
						2004-05	2005-06	2006-07	2007-08
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(A)	INVESTMENT COST								
1.	Training/Workshop				5.0	0.50	2.0	2.0	0.5
Sub Total (A)					5.0	0.50	2.0	2.0	0.5
(B)	INCREMENTAL OPERATING COST								
2.	Consumables				0.25	0.04	0.07	0.07	0.07
3.	Operation & Maintenance				0.5	0.1	0.15	0.15	0.10
Sub Total (B)					0.75	0.14	0.22	0.22	0.17
Grand Total (A+B)					5.75	0.64	2.22	2.22	0.67

** Allocation indicated not intimated

CATEGORY WISE TOTAL ALLOCATION

(Rs. in lacs)

S.No.	Category of Expenditure	Allocation indicated to institution **	Proposed reappropriation of allocation of col.3	Additional funds required to meet priorities	Total project life time allocation (4+5)	Year-wise fund requirement for the remaining period of Project			
						2004-05	2005-06	2006-07	2007-08
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(A)	INVESTMENT COST								
1.	Civil Works*				74.0	30.0	44.0	0.0	0.0
2.	Equipment				329.91	30.61	106.89	120.0	72.41
3.	Furniture				21.39	3.0	8.0	8.0	2.39
4.	Vehicles				7.5	0.0	7.5	0.0	0.0
5.	Books and Learning Resources				50.0	5.0	15.0	17.5	12.5
6.	Consultancy Services** & Research Studies				25.5	5.0	7.5	6.5	6.5
7.	Training/Study Tours/Fellowships (Local & Foreign)				125.25	4.75	42.0	42.0	36.5
Sub Total (A)					633.55	78.36	230.89	194	130.30
(B)	INCREMENTAL OPERATING COST								
8.	Salaries for Additional Key Faculty and Staff				22.5	0.0	6.0	8.5	8.0
9.	Consumables				31.33	2.52	9.67	9.67	9.47
10.	Operation & Maintenance				62.62	5.61	19.25	19.15	18.61
Sub Total (B)					116.45	8.13	34.92	47.32	36.08
Grand Total (A+B)					750.00	86.49	265.81	231.32	166.38

** Allocation indicated not intimated

7.4 COMPONENT WISE FINANCIAL REQUIREMENT

(Rs in lacs)

S.No.	Category of Expenditure	Allocation indicated to institution **	Proposed reappropriation of allocation of col.3	Additional funds required to meet priorities	Total project life time allocation (4+5)	Year-wise fund requirement for the remaining period of Project			
						2004-05	2005-06	2006-07	2007-08
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(A)	INVESTMENT COST								
5.	Promotion of Academic Excellence (Total of 7.1)				713.12	84.33	252.29	217.90	158.60
6.	Networking (Total of 7.2)				31.13	1.52	11.30	11.20	7.11
7.	Services to Community & Economy (Total of 7.3)				5.75	0.64	2.22	2.22	0.67
Total					750.00	86.49	265.81	231.32	166.38

** Allocation indicated not intimated

UNIT - 8

PROGRAM IMPLEMENTATION AND MONITORING MECHANISMS

A. Implementation of Academic excellence activities

Nodal Officer : Smt.C.Ratnakumari

(I) Academic Activities:

1. Strengthening of teaching, learning activity
2. Strengthening of central library
3. Establishment of media center
4. Establishment of CAD Centre
5. Strengthening and expansion of central computing facility
6. Networking of all departments
7. Strengthening and modernization of all laboratories
8. Establishment of new laboratories
9. Introduction of new courses

Implementation team

- 1.G.Subhadra
- 2.M.Aruna
- 3.K.Srinivas
- 4.G.Nagachandrakala

(II) Research and Consultancy Activities

1. Preparation of course material and lab manuals
2. Production of teaching videos
3. Preparation of teaching aids
4. Preparation of computer aided teaching methods
5. Video Film production
6. Mobile technologies

Implementation team

- 1.K.V.Niranjan Rao
- 2.N.Sarada
- 3.G.Srinivas

(III) Faculty and Staff Development

1. Identification of training industry / institutions
2. Establishment of rapport with the industry/Instt
3. Planning of training schedules

Implementation team

- 1.B.Suvarnalatha
- 2.K.AmarendarReddy
- 3.K.Sujatha

(IV) Networking

1. Identification of training industry / institutions for resources sharing
2. Contact the industry/instt and identifying the resources
3. Arrive at an MOA with industry/instt that shares resources
4. Field visits for staff and students to networked partners

Implementation team

1. B.Suvarnalatha
- 2.M.Harimurthy
- 3.K.Srikanth

(V) Services to Community

1. Conduct of survey in the operational area
2. Identification of needs of the community
3. Plan for skill development and training for needy sectors of community for attainment of self-employability
4. Implementing the identified schemes

Implementation team

- 1.S.Sudhakarreddy
- 2.K.Srinivas
- 3.B.Venkateswarlu
- 4.K.Raghavanand
- 5.D.Ramdas
- 6.K.Obulesu

(VI) Tribal Development and Planning

1. Identification of students under SC/ST community
2. Analysis of weaknesses of the above students'
3. Identification of Faculty to provide remedial sessions
4. Preparation of schedule for remedial sessions in the subjects identified
5. Arrange for personality development classes

Implementation team

- 1.G.Karunasree
- 2.V.Deepika
- 3.K.Madhupati
- 4.G.I.R.Lakshmi
5. B.Sai Laxmi Prasanna
- 6.M.Aruna

(VII) Industry – Institution Participation Cell

1. Identification of industries in the fields of expertise
2. Arrange for guest lectures by industry experts
3. Involving the industry in curriculum development
4. Arrange for placement of students
5. Conducting training programs for staff
6. Arrange for industrial visits to staff and students

Implementation team

1. B.Suvarnalatha
- 2.M.Harimurthy
- 3.K.Srikanth
- 4.K.Srinivivas
- 5.K.Sujatha
- 6.P.V.Damodar Rao

(VIII) Institutional Reforms

1. 10% of seats for internal sliding of branches on the basis of performance in the 1st year
2. Offering differing electives to the students in the final semester
3. Giving a choice to the students to choose his own teacher for all common subjects
4. To offer Dual Diploma
5. Lateral entry for resulting vacancies if curriculum compatibility is ensured

Implementation team

- 1.G.Subhadra
- 2.G.V.Nagalakshmi
- 3.K. Srinivas
- 4.G.Naga Chandrakala

B. Civil Works :

Nodal Officer : R.D.Vijayavardhan

I) Design of Civil works

Implementation team

1. P.V.Damodar Rao
2. Sudhakar Reddy
3. K.Amarender Reddy
4. S.Surender

II) Execution of Civil works

Implementation team

1. K.Raghavanand
2. Ramdas
3. V.Srisailam

C) Procurement Activities

Nodal Officer : Sri C.Mallesham

Activities

1. Identify the items with specifications from various departments
2. Prepare procurement list
3. Call for quotations from different suppliers
4. Preparation of comparative statement
5. Procurement of Items from selected firms
6. Distribution of Items as per activity (1)

Implementation team

1. P.V.Damodar Rao
2. B.David Raju
3. K.V.N.Rao
4. K. Radhika
5. K. Srinivas
6. N.S. Chakravarthy
7. N.Srinivasulu
8. T. Rajitha
9. B.R.M. Reddy
10. P.Jyothi
11. M. Aruna
12. G.V.N.Laxmi
13. K.Obulesu
14. G.Srinivasu
15. V. Deepika

D) Financial Aspects

Implementation team

1. Monitoring of the Inflow of the funds
2. Maintenance of records
3. Report generation
4. Monitoring of the Outflow of the funds

1. Faizullah
2. S.Ramaganga Reddy
3. P.Srinivas
4. Siddiqui
5. P.Ramesh

E) Implementation & Monitoring Unit

Nodal Officer : Sri B. Venkateswarlu

Activities:

1. Conducting Auditing quality of Education, Training and Services
2. Conducting Audit of administrative, managerial and financial practices
3. Monitoring implementation of reforms
4. Monitoring compliance with MOU
5. Monitoring implementation of Tribal development activities
6. Preparing quarterly reports on progress in project and reforms implementation, internal audits and compliance with conditions of MOU
7. Ensuring achievement of targets set for Output Indicators

Monitoring Team

1. K.Srikanth
2. K.Srinivas
3. B.Sai Laxmi Prasanna
4. K.V.Niranjana Rao
5. M.Aruna
6. K.Raghavanand
7. V.Srisailam
8. Shantaram