

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

**FORMAT FOR CONCISE  
INSTITUTIONAL PROJECT PROPOSAL  
SECOND CYCLE INSTITUTIONS  
(Supplementary Document)**

**(December-2004)**

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

**RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY  
NANDYAL-518 501:: KURNOOL-DIST.**

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**EXECUTIVE SUMMARY**

Rajeev Gandhi Memorial College of Engineering & Technology, Nandyal started functioning from the academic year 1995. It is sponsored by Parameswara Educational Academy, Nandyal a Registered educational society. It is approved by AICTE, New Delhi and permitted by State Government of Andhra Pradesh. The college is affiliated to J.N.T.University, Hyderabad. The institution is presently offering **6 B.Tech** programmes with an intake of 540 (ECE-120,EEE-120,CSE-90 ,ME-60, IT-90 & EIE-60) and **2 M.Tech** programmes with an intake of 43 (Power Electronics – 25 & Machine Design – 18 ). **4 of its B.Tech** programmes (ECE, EEE, CSE & ME) are **Accredited** by National Board of Accreditation, New Delhi. Two more M.Tech programmes are likely to be introduced from the academic year 2004-05.

This institution was started with a motto of **“Education for Peace”** and with the mission to produce excellent engineers with social awareness meeting the global standards. Also to achieve excellence in research and consultancy in the field of Science & Technology. It has set a goal to turn out to be a Deemed University by 2008. In a span of 9 years the institution has created excellent infrastructure and attracted talented professionals to achieve its objectives.

To achieve the above set goals and the excellence, the institution is continuously organizing the seminars, symposia, workshops, guest lectures etc in all the departments. PG programmes have been introduced in all the 4 Accredited departments namely EEE, ME, ECE & CSE from 2004-05. The staff members are encouraged to improve their qualifications and as many as 10 staff members have registered for their Ph.D programme with J.N.T.U. and Other Universities during this academic year. To encourage students and staff special incentives are given for participation in seminars and symposia.

To further strengthen the infrastructure facilities and improve research and consultancy activity the institute has approached the World Bank for assistance under TEQIP programme. In this connection a pragmatic period objectives, financial requirements and the preparedness of the institution to begin with the programme are mentioned hereunder.

Under TEQIP to promote Academic Excellence we propose to give much importance to create central facilities like Central Computer Centre, Central Library with Digital Library facility, Central CAD Centre, E-class room/s with Video Conferencing facility, Media Centre to organize Seminars and Conferences and to modernize and strengthen the existing laboratories to upgrade them to research level.

We propose to enhance the interaction with industry by involving the eminent people from the surrounding industries to share their experiences and knowledge with our students. Our students will also make visits/study tours to the industries to have first hand information.

Our institution is identified as Network institution and we proposed to have formal Networking with some lead and other network institutions participating in this Programme to share the resources, knowledge and infrastructure facilities.

Since our area Rayalaseema is educationally and financially back ward, we propose certain service activities to the community to improve their economy. We propose to start 3 rural computer literacy centers at 3 nearby villages by donating 30 computers to each centre and depute our staff 2 days in a week to teach them theory classes and appoint technical staff to provide practical work to them. This will definitely upgrade the knowledge as well the employment opportunities of the youth of the area. We also propose to give training in different trades of workshop to unorganized labour in our Mechanical workshop to improve the quality of their life.

We propose to organize certificate courses to outsiders and organized labour like employees of the industry in CAD/CAM, E.CAD and other computer oriented IT related courses (Self financing) to enhance the employment opportunities and upgrade the qualifications of in-service candidates.

To render services to the socially backward communities such as SC/ST/OBC, we propose to take-up the different activities suggested by NPIU.

A Project Implementation Unit has been established and different Committees are also appointed as mentioned in Unit-IX of this proposal to take care of the different activities of this programme. The institute is having very sound accounting policies and procedures. It maintains proper books of accounts keep records and generate the periodical financial reports not only for the project funds but also for the general assets and resources of the institution. An internal audit system exists in the institution to check the financial procedures at each and every stage.

The management, the staff and the students are very much inspired for being included in the TEQIP and geared up to commence the programme to reach their set goals within the project period. The total financial requirement for the above-mentioned programmes is estimated at **Rs. 119.357 Millions**. The details are enclosed here with. On completion of this project the Expected Outputs are – Better trained students, more competent faculty improved teaching and learning process, modernized laboratories and enhanced library facility, better utilization of resources, increased interaction with community economy, increased academic outputs/publications etc.

## UNIT-1

### CURRENT INSTITUTIONAL INFORMATION

Give information in the tabular formats given below. Do not give any write-up in this Unit.

#### 1.1 INSTITUTIONAL IDENTITY

1.1.1 **Name of the Institution:** Rajeev Gandhi Memorial College of Engineering & Technology, Nandyal.

1.1.2 **Names of Head of Institution and Nodal Officers for Academic Activities, Civil Works, Procurement and Financial Aspects**

Head & Nodal Officer	Name	Phone Numbers	Mobile Number	Fax Numbers	Email Address
Head of the Institution	Dr.M.Subbarayudu	08514 – 275201	94402 90470	08514 – 275123	<a href="mailto:rayudumadaka@yahoo.co.in">rayudumadaka@yahoo.co.in</a> <a href="mailto:rgmcet09@rgitnandyal.com">rgmcet09@rgitnandyal.com</a>
Nodal Officers (TEQIP) for:					
Academic Activities	M.V.Subramanyam	08514-275203		08514-275123	<a href="mailto:mvs@rgitnandyal.com">mvs@rgitnandyal.com</a> .
Civil Works	C.Krishnama Raju	275203	246686		<a href="mailto:ckr@rgitnandyal.com">ckr@rgitnandyal.com</a> .
Procurement & Financial Aspects	R.Thyagaraju	08514 275203(O) 220734®	94402904 04		<a href="mailto:ao@rgitnandyal.com">ao@rgitnandyal.com</a>

#### 1.2 ACADEMIC INFORMATION

1.2.1 **Engineering Programs offered in 2003-2004**

S. No	Title of Program	Level <sup>1</sup>	Duration <sup>2</sup> (Years)	Year of starting	Sanctioned Annual Intake <sup>3</sup>	Total Student strength
1	B.Tech- Electrical & Electronics Engg	UG	4	1995	120* (wef 2002-03)	417
2	B.Tech. Mechanical Engg.	UG	4	1995	60* (wef 1995-96)	258
3	B.Tech. Electronics & Communication Engg.	UG	4	1995	120* (wef 2002-03)	450
4	B.Tech. Computer Science & Engg.	UG	4	1995	90* (wef 2000-01)	387
5	B.Tech. Information Technology	UG	4	1998	90* (wef 2000-01)	387
6	B.Tech. Electronics & Instrumentation Engg.	UG	4	1999	60* (wef 2000-01)	236
7	M.Tech. Power Electronics	PG	2	2002	25* (wef 2002-03)	43
8	M.Tech. Machine Design	PG	2	2003	18* (wef 2003-04)	18

<sup>1</sup> State whether UG/PG.

<sup>2</sup> If any program is of flexible duration and or offered on part time basis, this may be stated in the column.

<sup>3</sup> Annual intake as sanctioned by the AICTE.

- The Sanctioned annual intake mentioned is the present enhanced annual intake of the institution. Earlier intake of the institution was lower than this. The details are given below. In our institution all the seats got filled and there is no unfilled seat in any branch in our college in all these year. The total no.of students Branch wise is as follows according to the revised/increased intake of different branches in course of time. 10% Of diploma holders admitted at 2<sup>nd</sup> year level through a state level entrance examination conducted by Govt.

S.No	UG/PG	Branch	1st Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	Total Sanctioned intake	Actual Students in the Year 2003 -04
01	UG	EEE	120	120+12	90+9	60+6	417	417
02		ME	60	60+6	60+6	60+6	258	258
03		ECE	120	120+12	90+9	90+9	450	450
04		CSE	90	90+9	90+9	90+9	387	384*
05		IT	90	90+9*	90+9	90+9	387	343*
06		EIE	60	60+6	60+6	40+4	236	236
07	PG	Power Electronics	25	18	-	-	43	43
08		Machine Design	18	-	-	-	18	18
Grand Total							2196	2149

- Due to fall of demand in IT industry in 2002 only out of 90 sanctioned intake only 50 seats have been filled. As there is increase of demand for IT personnel again all seats got filled in the academic year 2003-04.

- 1.2.2 Total strength of students in all courses and all years of study in 2003-2004 : 2149  
1.2.3 Total women students in all courses and all years of study in 2003-2004 : 627  
1.2.4 Total ST students in all courses and all years of study in 2003 : 73  
1.2.5 Total SC students in all courses and all years of study in 2003 : 298  
1.2.6 Total OBC students in all courses and all years of study in 2003 : 603

### 1.2.7 Doctoral Programs

- a) Total number of candidates that obtained PhD from the institution up to 2003-04: Nil.  
b) Total number of candidates currently registered for PhD.: 10

### 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		Number of Programs for which Accreditation Applied for
			2002	2003	
Undergraduate	6	4	-	4	For two programs to be applied.
Postgraduate	2	-	-	-	-

\* Accredited by 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. Sancti oned	Status	Number in Position by Highest Qualification						Total Number in Position	Total Vacancies
			PhDs		Post- graduates		Degree Holders			
			Engg.	Other	Engg.	Other	Engg.	Other		
Professors		Regular	11	2	2	-	-	-	26	-
		Contract	11 *	-	-	-	-	-		
Associate Professor/ Reader		Regular	-	-	9	-	-	-	9	-
		Contract	1	-	3	-	-	-	4	-
Assistant Professor/ Lecturer		Regular	-	-	42	12	47	-	103	-
		Contract	-	-	1	-	1	-		

- Steps will be taken to increase mid level faculty and eliminate contract appointments at senior level. Advertisement will be given in the month of April 2005 to recruit Professors , Asst.Professors & Lecturers on regular basis.

### 1.3.2 Visiting Faculty/Part-time Teaching Staff (2003-04)

Level for which Engaged	Number by Highest Qualification						Total Hours Taught/Week
	PhDs		Post- graduates		Degree Holders		
	Engg.	Other	Engg.	Other	Engg.	Other	
UG Teaching							
PG Teaching							

1.4. AVERAGE RECURRENT COST PER STUDENT Rs.16,660 / -

1.5. CURRENT TEACHER-STUDENT RATIO: 1 : 15

## UNIT-2

# VISION

### 2.0 Institutional Vision

- \* To develop the Institution as an excellent center of Engineering Education and to provide good R& D facilities for handling need-based problems with proper support from Industry.
- \* To become a deemed university so that technology related curriculum can be offered to develop engineers with competent skills to match the needs of the market (Industry)
- \* To develop the local talent (youth) with competitive spirit for achieving excellence in the field of Science & Technology, with the noble goal of “ Education for peace & progress”.

### 2.1 Identify the part of the vision you plan to achieve during the current project life (i.e. your pragmatic future)

As part of our above mentioned vision of the institution we plan to achieve the following objectives during the project period which will continue even beyond the project period.

1. To produce engineers with sound technical knowledge to meet global standards, competent to handle challenging tasks with moral & ethical values.
2. To give preference for excellence in the areas of Electronics & communication Engineering and Computer Science & Engineering as these areas of Engineering are prospective
3. To strengthen all the Departments of Engineering in a dynamic manner by incorporating changes in the curriculum based on the needs of Industry and by including the experts from Industry in revision of curriculum.
4. To give priority for academic excellence
5. To Strengthen the existing UG & PG programs
6. To introduce new PG programs in a need based manner
  
7. To establish formal & informal networking with the other institutions

8. To have proper interaction with industries & to enable students / staff to understand & appreciate practical aspects
9. To conduct various bridge courses for students / staff to enhance their knowledge & skills.
10. To become a Deemed University
11. To Strengthen the Placement & Training Cell
12. To incorporate reforms in the academic and administrative sectors for smooth and efficient running of the institute.
13. To involve the students and faculty in the activities of service to community.
14. To take up the activities for Tribal development.
15. To encourage R&D and Consultancy by taking specified customized projects from various industries/organizations.
16. To develop entrepreneur skills and for personality development of students.
17. To improve the students performance at exams.

**2.2 Indicate key activities in order of priority to achieve your pragmatic future as stated in item 2.1**

1. To improve the teaching learning process we propose to establish E-Class rooms with video conferencing facilities and improve Seminar Halls by providing Computers and LCD facilities.
2. To establish a Media Centre for organizing various Seminars/Conferences, etc.
3. Strengthening the existing UG & PG courses.
4. Modernizing and strengthening the existing Laboratories to supplement the available facilities.
5. Introducing more no. of PG programmes
6. Networking with other institutions for sharing of resources.
7. To establish English Language lab for Improving the communication and soft skills of the student.
8. Improving Central facilities like Library, Central Computer Centre with internet facilities, Central CAD Centre.
9. Deputing staff for different training programmes to update their knowledge and skills as per the latest technology.
10. Improving Software Development Wing.
11. Improving Research & Development cell

12. Strengthening Placement & Training Cell,
13. To strengthen the Entrepreneurship Development & Personality Development Cell
14. Improving sponsored / research projects
15. To establish a Cell for Tribal Development to take up the activities for the development of SC/ST/OBC students.
16. To organize awareness programmes to the community of special importance.
17. To undertake activities to improve the standard and economy of the people of the surrounding areas.
18. To offer training programme to the organized and unorganized labour sector to improve their employment opportunity and economy.

### UNIT-3

## IMPLEMENTATION OF INSTITUTIONAL REFORMS

*Please give brief statement about processes and activities that would be undertaken to implement the 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	Multi level and Multi background entry	→	→	→	→
	Credit exemptions		→	→	→
	Credit Transfers		*→	→	→
	Flexible pace of learning through accumulation of credits		*→	→	→
	Provision of wide choice of electives including those offered by other intuitions in the network etc..,	→	→	→	→
	Internal branch sliding at 2 <sup>nd</sup> year level in possible branches having common syllabus			**→	→
	Offering bridge courses to fill the gap between the industry needs and curriculum	→	→	→	→
	Introduction of integrated M.Tech./ MS programme.		*→	→	→
	Integrated Doctorial Programme			**→	→
2. Introduction of reforms in student performance evaluation	Online Examination for Internal Tests	→	→	→	→
	More weightage for practical examinations and internal assessments.		*→	→	→
	To introduce descriptive type of examination for unit examinations		*→	→	→
	Introduction of Mini project works at 3 <sup>rd</sup> year level	→	→	→	→
	Open book system in examination.			**→	→

Note:1. All the above activities without any star will commence in the year 2004-05 and continue till the end of the programme and beyond.

2. \* Will commence in the year 2005-06 and continue till the end of the programme and beyond.

3. \*\* Will commence in the year 2006-07 and continue till the end of the programme and beyond.

Academic Reforms	Activities to be undertaken in brief*	Indicate starting and completion time			
		2004-05	2005-06	2006-07	2007-08
3. Establishment of a system for teacher performance appraisal by students, and teacher counseling	Already there is a system existing in the institution for the teacher performance appraisal by students once in a semester. It is proposed to make it twice in a semester. (After 6 weeks of teaching for the 1 <sup>st</sup> time and after 12 weeks of teaching for the 2 <sup>nd</sup> time). The teachers whose performance is not satisfactory will be counseled by the concerned HOD & Principal.	→	→	→	→
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	Faculty are sponsored for PG and Ph.D programs with full pay	→	→	→	→
	Faculty are sponsored for attending Refresher courses, workshops, seminars, summer schools and inter schools with financial assistance and weightage for promotion.	→	→	→	→
	Cash incentives and service increments are proposed to the faculty for participating service to community and industry for securing sponsored research and development projects.	→	→	→	→
	Faculty are encouraged to submit R & D projects to various funding agencies and accept consultancy service to the industry.	→	→	→	→
5. Establishment of a system for recognizing merit and outstanding performance of teachers	Percentage of results	→	→	→	→
	Students feed back	→	→	→	→
	Research & development.	→	→	→	→
	Present of Technical paper / Project in various seminars / conferences at National & International level	→	→	→	→
	No. of workshops and refresher courses attended.	→	→	→	→
	Publications	→	→	→	→
	Consultancy activities.	→	→	→	→
	Membership in professional bodies.	→	→	→	→
	Organization of seminar / workshop	→	→	→	→
	Service to community and Tribal development	→	→	→	→
System for awarding such teachers	Patents & Awards	→	→	→	→
	Letter of appreciation, Deputation for training and study visits.	→	→	→	→
	Increment in salary, promotion, Cash incentives.	→	→	→	→

Academic Reforms	Activities to be undertaken in brief*	Indicate starting and completion time			
		2004-05	2005-06	2006-07	2007-08
6. Offering service packages that would attract and retain good quality faculty	Additional increments based a qualification and experience.	→	→	→	→
	Free accommodation ( furniture) in addition to HRA.	→	→	→	→
	Extending family welfare schemes such as Medical facilities , Education to the children.	→	→	→	→
	Group Insurance	→	→	→	→
	% in consultancy	→	→	→	→
	Sponsored for higher education to upgrade their qualifications (QIP).	→	→	→	→
7. Establishment of a system for maintaining record of graduates and conducting regular tracer studies	A Alumni Association is being registered and functioning the college to have continuous interaction and maintain record of graduates of the institution. A regular tracer study is being organized to know the latest occupation of the graduates by sending letters to them.	→	→	→	→
8. Establishment of a governance system with participation of stakeholders	A board of governors is constituted including all the stakeholders such as representation from management, an educationist, an industrialist, nominees of State Govt., AICTE, Affiliating University, parents, alumni members, faculty, etc.	→	→	→	→
9. Establishment of a modern management system – delegation of decision making, administrative and financial powers to senior functionaries with accountability	All the Heads of the Depts. , Deans, Professors in charge are involved in decision making of the institution. They were given academic, administrative and financial powers with accountability.	→	→	→	→

Note: All the above activities will commence in the year 2004-05 and continue till the end of the programme and beyond.

Academic Reforms	Activities to be undertaken in brief*	Indicate starting and completion time			
		2004-05	2005-06	2006-07	2007-08
10.Modernization of administrative and financial management system to increase staff and student friendliness, increase time efficiency and resource efficiency	Management Information System software will be procured to modernize the administrative and financial management system.	→	→	→	→
	Increase interaction between staff and students.	→	→	→	→
	Automization of the student information such as admission details, attendance and performance at examination and providing better services to the students and parents.	→	→	→	→
	Proper preparation by students and staff for lab work before they come to the lab and class work.	→	→	→	→
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 : 0.70 millions per annum. ii) Staff Development Fund: 0.40 millions p.a. iii) Depreciation Fund: 0.30 millions per annum iv) Maintenance Fund: 0.60 millions per annum	→	→	→	→
12.Instituting measures for increasing recovery of cost of education	Being private engineering college the maximum cost of education is being recovered from the students in form of tuition fee as fixed by the Govt.	→	→	→	→
	The other costs such as transportation, hostels will be totally recovered from the students.	→	→	→	→

Note:1. All the above activities will commence in the year 2004-05 and continue till the end of the programme and beyond.

3. \* All these following funds will be created from the fees collected, as decided by the Government, from the students without collecting any extra amount

Academic Reforms	Activities to be undertaken in brief*	Indicate starting and completion time			
		2004-05	2005-06	2006-07	2007-08
13. Instituting practices for maximizing utilization of resources and reducing wastage	Increase the no. of batches at labs for the maximum utilization of the resources.	→	→	→	→
	Central computer laboratory and library and other departmental laboratories will be utilized effectively for different works of all departments.	→	→	→	→
	R & D and consultancy will be increased for the maximum utilization of the resources. Staff and students will be involved in these works.	→	→	→	→
	Awareness programmes will be organized for staff and students on proper utilization and reduce the wastage of power, water and other resources.	→	→	→	→
14. Establishment of mechanisms for regular quality and efficiency audit of institutional activities including academic processes and administrative procedures.	Internal and external auditing for ensuring quality and efficiency on monthly/quarterly/ annual basis. All the reports will be monitored by the College Academic Council.	→	→	→	→
	Academic and Administrative audit by appointing a panel for inter-departmental audit.	→	→	→	→
	A monitoring committee will be appointed with external experts.		* →	→	→

Note:1. All the above activities without any star will commence in the year 2004-05 and continue till the end of the programme and beyond.

2. \* Will commence in the year 2005-06 and continue till the end of the programme and beyond.

## UNIT-4

### ACADEMIC EXCELLENCE

#### 4.1 PRIORITIES

Priorities your objectives for the Project Period by assigning number 1 to 9 against each item below (1 is highest and 9 lowest)

S. No.	Objectives	Priority
1.	Improving undergraduate teaching/learning processes through better curricula, better faculty competence, better delivery, better interaction, development of proper attributes, and exposure to industrial practices	1
2.	Increasing facilities for undergraduate education, equipment. LRs, internet access, etc	1
3.	Increasing efficiency and effectiveness of the education process through better academic discipline and improved governance	1
4.	Improving post-graduate admission to M.Tech and Research programs through better structuring of offerings and increased facilities	2
5.	Improving sponsored Research and Consultancy activities	3
6.	Networking with other institutions	2
7.	Improving research and development.	3
8.	Strengthen the placement cell.	1
9.	Improving the communication and soft skills of the students.	1

#### 4.2 CURRICULUM REVISION

##### 4.2.1 Reorientation/Restructuring/closure of UG/PG Programmes :

##### 4.2.2 UG/PG programmes to be reoriented [write nil if no programmes are to be reoriented and delete the table]: **NIL.**

Name of the Programme	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Electronics & Communication Engg.		→		→
Electrical & Electronics Engg.		→		→
Computer Science & Engg.		→		→
Mechanical Engg.		→		→
Information Technology		→		→
Electronics & Instrumentation Engg.		→		→
M.Tech – Power Electronics		→		→
M.Tech – Machine Design		→		→
M.Tech – Computer Science		→		→
M.Tech – Digital Systems & Computer Electronics		→		→

##### 4.2.3 UG/PG programmes to be restructured [write nil if no programmes are to be restructured and delete the table]

Name of the Programme	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08

\* It is proposed to re-structure the programmes once in every two years based on the needs of the industry and market.

4.2.4 **UG/PG programmes to be closed** [write nil if no programmes are to be closed and delete the table]: **NIL**

Name of the Programme	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08

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
Electronics & Communication Engg.		→		
Electrical & Electronics Engg.		→		
Computer Science & Engg.		→		
Mechanical Engg.			→	
Information Technology		→		
Electronics & Instrumentation Engg.			→	
M.Tech – Power Electronics		→		
M.Tech – Machine Design			→	
M.Tech – Computer Science		→		
M.Tech – Digital Systems & Computer Electronics		→		

Note: The curriculum will be improved and upgraded every year, if necessary based on the market needs during the project period and continue beyond the project period.

4.3 **Modernization of Laboratories and Workshops including Removal of Obsolescence.**

To achieve the set goals as per the vision of the institution and to achieve pragmatic future during the programme period and beyond, under academic excellence we propose to modernize, strengthen and supplement the existing laboratories of different departments including Removal of Obsolescence to provide the latest art of equipment to the students meeting the global standards. We propose to procure the required equipment during the first two years of the project i.e. academic years 2004-05 and 2005-06 to enable the students to avail the facilities as mentioned below:

Department	Name of the lab/workshop	Purpose/ linkage to existing Programme	Indicate starting and completion time			
			2004-05	2005-06	2006-07	2007-08
Electronics & Communication Engg.	Optical Communication & Microwave lab.	Modernization and strengthening the existing UG program.		→		
	Microprocessor system Development lab.	Modernization and strengthening the existing UG program.	→			
	VLSI Lab.	Modernization and strengthening the existing UG program.		→		

Electrical & Electronics Engg.	Electrical Measurements & Testing Lab.	Modernization and strengthening the existing UG program.		→		
	Power Electronics Lab.	Modernization and strengthening the existing UG & PG programs.	→			
	Electrical Machines Lab	Modernization and strengthening the existing UG program.		→		
	Control System Lab.	Modernization and strengthening the existing UG program.	→			
Computer Science & Engg.	Computer Center-2	Modernization and Strengthening of existing program and removal of obsolescence.	→			
	Computer Center-3	Modernization and Strengthening of existing program and removal of obsolescence.		→		
Mechanical Engg.	Mechanics of Solids	Modernization and strengthening the existing UG program.		→		
	CAD-CAM	Modernization and strengthening the existing UG & PG programs.	→			
	Thermal Engg.	Modernization and strengthening the existing UG program.		→		
	Metallurgy & Instrumentation lab.	Modernization and strengthening the existing UG program.		→		
	Production Technology Lab	Modernization and strengthening the existing UG program.		→		
Electronics & Instrumentation Engg.	Instrumentation Lab.I	Modernization and strengthening the existing UG program.		→		
	Instrumentation Lab-II	Modernization and strengthening the existing UG program.	→			
	Process Control Lab.	Modernization and strengthening the existing UG program.		→		

#### 4.4 New Programmes Proposed

Name of the Program	Level (UG/PG)	Proposed Annual Intake	Proposed Year of Starting	AICTE Approval	
				Obtained (YES/NO)	Applied for (YES/NO)
M.Tech-Digital Systems & Computer Electronics.	PG	18	2004-05	Yes.	-
M.Tech-Computer Science.	PG	18	2004-05	Yes.	-

*Brief justification to be given for introduction of each programme supporting your priorities. Justification must include current or future market demand and whether the institution has adequate base in terms of faculty and facilities to initiate/ adequately support the programme(s).*

#### 4.5 Areas of Doctoral Programmes: NIL.

- a) Please indicate whether starting of Doctoral Programme is envisaged, and if yes indicate the areas and demonstrate capability to support the same
  - b) In relation to Doctoral Programmes indicate requirements for assistantship/fellowships
- Full time Doctoral programmes are not available. However, we intend to introduce the full time Doctoral programmes from the academic year 2006-07 after stabilizing our existing PG programmes. Some of our faculty have registered for Doctoral programmes with different Universities. They are sponsored for this programme and encouraged to utilize the all resources available in the institution.

*Brief justification to be given for introduction of Doctoral programme in the areas selected above*

#### 4.6 Establishment of New Laboratories and Workshops

To achieve the set goals as per the vision of the institution and to achieve pragmatic future during the programme period and beyond, under academic excellence and to meet the present demands of the industry and revised curriculum and to initiate research and development activities we propose to supplement the existing laboratories of different departments by establishing new laboratories with latest art of equipment meeting the global standards. We propose to procure the required equipment during the first two years of the project i.e.academic years 2004-05 and 2005-06 to enable the students to avail the facilities as mentioned below:

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
CSE	Central Computer Center.	To increase central facilities for the existing UG/PG programmes	→			
	Software Engg. Lab.	To improve the consultancy, research & development activities.		→		
	Multi-media lab	To meet the needs of revised curriculum of existing UG programme		→		
ECE	Digital Signals & Image Processing lab.	To meet the needs of revised curriculum of existing UG programme and also to take up consultancy.	→			
	Embedded Systems Lab.	To meet the needs of revised curriculum of existing UG programme and also to take up consultancy and train the students in the latest software.		→		
	R & D Lab.	To create environment and promote Research & Development activities.			→	
Central facility	CAD Lab.	To meet the needs of revised curriculum of existing UG& PG programmes, to offer certificate courses to the students of other branches to provide continuing education programmes to the working engineers of other industries and to take up consultancy.	→			

#### 4.7 Additional Faculty and Staff Required

Purpose	Designation	Numbers
1. To guide and train the students in R&D, Consultancy activities and continuing education programmes. 2. To meet the extra work load being created at Central library, Central Computer center and to provide training to the technical personnel of the industry in Central CAD center, Media Center and E.class room to meet the needs of Video conferencing etc. for effective networking.	Professors	2
	Assistant Professors	2
	Lecturers	2
	Trainer	1
	Staff: Programmers	3
	Lab Technicians	2
	Skilled Assistant	4
	Asst. Librarian	1
	System Analyst	3
Total estimated expenditure on salaries and benefits		Rs.5.135 millions

#### 4.8 Faculty Development (Local & Foreign Fellowship programs)

Area of Training (please see slide numbers ---- of the presentation)	Training duration			
	Within India		Abroad	
	No. of Persons	Person months	No. of Persons	Person months
Upgrading the qualifications*	24	240	04	12
Attending seminars & workshops **	24	09		
To undertake research projects	16	08	-	-
Short Term courses.	24	24	-	-
Study tours.	24	06	4	02
Management Capacity Development	10	20	4	4

• The faculty members with B.Tech. Qualification will be sponsored with full pay for M.Tech. programme in JNTU under summer sequential programme in which they have to attend the class work for 3 months every year for 3 years which comes to around 10 months per candidate. They are permitted by JNTU to do their project work at institution. As per this program the faculty will not be leaving the institution during the working days and will continue to render their services. The expenditure of training of three months during the project period will only be met from the TEQIP funds.

\*\* Faculty will be sponsored for attending seminars & workshops from the institution. Details are given in the Dept.wise DPR's under training and financial provision is also made in CIP for training for faculty training under academic excellence.

#### 4.9 Staff Development (within India only)

Functional areas in which staff is required to be trained.

Functional areas of training	Training duration	
	No. of Persons	Person months
Upgradation of Skills.	12	72
Training for improving the technologies in their concerned fields.	24	24

#### 4.10 Improved Implementation of Curricula (for possible activities see slide ---)

Activity	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Revision of curricula for every two years at UG & PG level considering the demands of industry and to meet the employment market requirements.		** →		
To include industrial visit and training in industry as part of curricula.		** →		
Continuous assessment of performance of students and feedback to students.	* →			
Inviting experts from industry and other peer institutions to give lectures in their concerned fields.	* →			
Introduction of E.learning through Vedio conferencing.	* →			
Extensive use of Media.	* →			
Problem solving and live projects catering to the needs of industry, R&D Institutions and community.	* →			
Provision for choice of electives.		** →		

Note: \* will start in the academic year 2004-05 and continue till the end of project and beyond the project.

\*\* will start in the academic year 2004-05 and continue till the end of project and beyond the project.

#### 4.11 Improvement in Student Evaluation (see slide --- for possible evaluation mechanisms)

Activity	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Online Examination for Internal Tests	* →	→	→	→
More weightage for practical examinations and internal assessments.	* →	→	→	→
To introduce descriptive type of examination for unit examinations	* →	→	→	→
Introduction of Mini project works at 3 <sup>rd</sup> year level with weightage of marks	* →	→	→	→
Weightage for individual home assignments to enhance analytical and problem solving skills in students.		→	→	→
Credit transfers and credit exemptions.		→	→	→
Flexible place of learning through accumulation of credits.		→	→	→
Open book system in examination.			→	→

Note: \* will start in the academic year 2004-05 and continue till the end of project and beyond the project.

\*\* will start in the academic year 2004-05 and continue till the end of project and beyond the project.

#### 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 Research Promotion and Coordination Cell	* →			
• Establishment of Consultancy Cell	* →			
• Organising state of the art lectures	** →			
• Creating R&D facilities for faculty / students	** →			
• Financial incentives/Share to the faculty in the savings of consultancy income.	** →			

Note: \* will be established in the academic year 2004-05 itself and continue to work till the end of project and beyond the project.

\*\* will start in the academic year 2004-05 and continue till the end of project and beyond the project.

#### 4.13 Enhanced Interaction with Industry

Activity	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Establish I-I Cell	* →			
Conduct of Continuing Education Programmes	→	→	→	→
Organising Industrial training to faculty & staff	→	→	→	→
Industrial training of students	→	→	→	→
Undertaking Consultancy	→	→	→	→
Hosting industry R&D centers and undertaking R&D and consultancy activities.		→	→	→
Others: Undertaking problem solving projects and consultancies on industrial products, services & processes.		→	→	→
Undertaking testing and calibration activities.		→	→	→
Serving as training centres in industry.	→	→	→	→
To associate industry for promoting entrepreneurs development activities.	→	→	→	→

Note:1. \* I-I cell will be established in the year 2004-05 and continue to work during the project period and beyond.

- All the above mentioned activities will be starting in the year 2004-05 and continue to work during the project period and beyond.

#### 4.14 Tribal Development Plan (TDP) (please refer TDP document for details and slide no 55 to 58)

Identified Activities	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
A programme on orientation to the institution for newly admitted students to create awareness on different aspects of the institution.	→			
Guidance, counseling and remedial teaching	→			
Enhancing the existing Book Bank & other self learning packages.	→			
Special coaching for entrance exams like GATE, GRE, TOEFL, IES and other competitive exams.	→			
Financial Assistance to the economically poor students of SC/ST/OBC category. (Students who are not in receipt of any scholarship)	→			
Organizing certificate courses based on the requirement of industry to improve employment opportunities.	→			
Establishment of pre-entrance training centres to SC/ST students to provide coaching for entrance examinations at 10+2 level for admission into engineering and professional studies by our faculty.	→			
To organize seminars and workshops on personality development and entrepreneurship activities.	→			

Flexible learning programme and evaluation to decrease the dropout rate.		* →		
Special Drive for employment opportunities through placement cell.		* →		
Establishing a English Language laboratory with Self Learning software packages for improvement of communicative and linguistic skills.	*** →	→		
Establishing a Grievances & Redressel Cell.	** →			
Establishing a cell for empowerment of SC/ST women students.	** →			

Note:1. All the above mentioned activities will be starting in the year 2004-05 and continue to work during the project period and beyond.

2. \* will be established in the year 2004-05 and continue to work during the project period and beyond.
3. \*\* will be established in the year 2004-05 and continue to work during the project period and beyond.
4. \*\*\* Language laboratory will be established very first year and need to be improved during the 2<sup>nd</sup> year also based on the requirement.

## UNIT-5 NETWORKING

### 5.1 Formal Networking

- a) Name of the 1<sup>st</sup> Network Partner: J.N.T.University College of Engineering, Kukatpally, Hyderabad (Lead institute)  
Planned bi-directional activities planned with 1<sup>st</sup> Network Partner

Activities/services/support which outgo from your institution to the network partner No 1	Indicate starting and completion time				Areas of support to be received from Network partner No. 1	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08		2004-05	2005-06	2006-07	2007-08
1. Sharing of expertise in academic areas such as : a) Machine Design Software Systems Applications.	→	→	→	→	1. Sharing of expertise in the academic areas such as a) Artificial Neural Networks b) Simulation and Synthesis of digital circuits. c) Electrical Application Software. d) DSP-DIP Software. e) VLSI & Digital Communication.	→	→	→	→
2. Joint organization of Seminars, Workshops.	→	→	→	→	2. Joint organization of seminars, workshops and Continuing Education Programmes.	→	→	→	→
3. Joint organization of Continuing Education Programmes.	→	→	→	→	3. Joint Research and Consultancy projects.	→	→	→	→
4. Joint Student Projects, Consultancy services and Sponsored Research Projects.	→	→	→	→					

- Note:1. Activities will be identified and starting during the first year i.e. academic year 2004-05 and continue till the end of the project and beyond the project period. However, the activities may be improved /modified based on the needs in due course.**  
**2. Work plan for certain identified activities for the period upto June, 2006 is given in Annexure.**

b) Name of the 2<sup>nd</sup> Network Partner: Osmania University College of Engineering, Hyderabad (Lead Institute)  
 Planned bi-directional activities planned with 2<sup>nd</sup> Network Partner

Activities/services/support which outgo from your institution to the network partner No 2	Indicate starting and completion time				Areas of support to be received from Network partner No. 2	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08		2004-05	2005-06	2006-07	2007-08
1. Sharing of expertise in academic areas: a) Machine Design b) Power Electronics c) Digital Signals & Processing. d) Artificial Intelligence.	→	→	→	→	1. Sharing of expertise in academic areas: a) Bio-Medical Instrumentation. b) Energy Technology. c) Software Engineering. d) Artificial Intelligence.	→	→	→	→
2. Joint organization of Seminars, Workshops.	→	→	→	→	2. Support from Entrepreneurship development cell & Placement cell.	→	→	→	→
3. Joint organization of Continuing Education Programmes.	→	→	→	→	3. Support from Industry-Institute partnership cell, R&D & Digital library.	→	→	→	→
4. Joint Student Projects, Consultancy services and Sponsored Research Projects	→	→	→	→	4. To link up with some of the MOUs of Osmania University for Consultancy and sponsored research projects.	→	→	→	→
					5. Joint organization of Seminars, Workshops.	→	→	→	→
					6. Joint organization of Continuing Education Programmes.	→	→	→	→
					7. Joint Student Projects, Consultancy services and Sponsored Research Projects.	→	→	→	→

**Note:1. Activities will be identified and starting during the first year i.e. academic year 2004-05 and continue till the end of the project and beyond the project period. However, the activities may be improved /modified based on the needs in due course.**  
**2. Work plan for certain identified activities for the period upto June, 2006 is given in Annexure.**

c) Name of the 3<sup>rd</sup> Network Partner: S.V.University College of Engineering, Tirupati. (Lead Institute)

Planned bi-directional activities planned with 3<sup>rd</sup> Network Partner

Activities/services/support which outgo from your institution to the network partner No 3	Indicate starting and completion time				Areas of support to be received from Network partner No. 3	Indicate starting and completion time			
	2004- 05	2005- 06	2006- 07	2007- 08		2004- 05	2005- 06	2006- 07	2007- 08
1. Sharing of expertise in academic areas: a) Machine Design b) Industrial Production. c) Power Electronics d) Digital Signals & Processing. e) CAD/CAM.	→	→	→	→	1. Sharing of expertise in academic areas: a) Power Systems Operation & Control. b) Signals & Systems. c) Networks. d) Signal Processing. e) Support from Centre for Rural Development and Appropriate Technology (CERDAT) for taking up services to community and rural development.	→	→	→	→
2. Joint organization of Seminars, Workshops.	→	→	→	→	2. Joint organization of Seminars, Workshops.	→	→	→	→
3. Joint organization of Continuing Education Programmes.	→	→	→	→	3. Joint organization of Continuing Education Programmes	→	→	→	→
4. Joint Student Projects, Consultancy services and Sponsored Research Projects.	→	→	→	→	4. Joint Student Projects, Consultancy services and Sponsored Research Projects.	→	→	→	→

**Note:1. Activities will be identified and starting during the first year i.e. academic year 2004-05 and continue till the end of the project and beyond the project period. However, the activities may be improved /modified based on the needs in due course.**

**2. Work plan for certain identified activities for the period upto June, 2006 is given in Annexure.**

d) Name of the 4<sup>th</sup> Network Partner: J.N.T.U.College of Engineering, Anantapur (Network Institution)

Planned bi-directional activities planned with 4<sup>th</sup> Network Partner

Activities/services/support which outgo from your institution to the network partner No 4	Indicate starting and completion time				Areas of support to be received from Network partner No. 4	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08		2004-05	2005-06	2006-07	2007-08
1. Sharing of expertise in academic areas such as: a) Machine Design b) Power Electronics c) Digital Signal Processing d) Artificial Intelligence	→				1. Sharing of expertise in the following academic areas: a) Computer Network & Network security. b) Power Systems. c) Software Engineering Practices. d) Thermal Engineering. e) Energy Technology.	→			
2. Sharing the physical resources such as Library, Laboratories and faculty.	→				2. Support in R&D activities particularly Solar Energy.	→			
3. Joint organization of Seminars, Workshops.	→				3. Joint organization of Seminars, Workshops.	→			
4. Joint organization of Continuing Education Programmes.	→				4. Joint organization of Continuing Education Programmes.	→			
5. Joint Student Projects and Consultancy services.	→				5. Joint Student Projects and Consultancy services.	→			

**Note:1. Activities will be identified and starting during the first year i.e. academic year 2004-05 and continue till the end of the project and beyond the project period. However, the activities may be improved /modified based on the needs in due course.**

**2. Work plan for certain identified activities for the period upto June, 2006 is given in Annexure.**

e) Name of the 5<sup>th</sup> Network Partner: Srinidhi Institute of Science & Technology, Ghatkesar,, Hyderabad. (Network Institution)  
 Planned bi-directional activities planned with 5<sup>th</sup> Network Partner

Activities/services/support which outgo from your institution to the network partner No 5	Indicate starting and completion time				Areas of support to be received from Network partner No. 5	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08		2004-05	2005-06	2006-07	2007-08
1. Sharing of expertise and support in R&D activities in the following areas:  a) Machine Design b) Power Systems & Controls. c) Digital Signals & Processing. d) CAD-CAM. e) VLSI & Digital Communication. f) Power Systems.	→				1. Sharing of expertise in academic areas: a) Real Time Systems. b) Cryptography and Security. c) Power System Operation & Control. d) Computer Methods in Power Systems. e) VLSI Design and Distributed Systems. f) Modeling mashing and analysis of mechanical structures. g) Integration of Pneumatic, Hydraulic, Electrical & Electronic Systems.	→			
2. Support and sharing of language laboratory	→				2. Support from Entrepreneurship and personality development cell & Placement cell.	→			
3. Joint organization of Seminars & Workshops.	→				3. Support from Industry-Institute partnership cell & R&D activities.	→			
4. Joint organization of Continuing Education Programmes.	→				5. Joint organization of Seminars & Workshops.	→			
5. Joint Student Projects, Consultancy services and Sponsored Research Projects.	→				6. Joint organization of Continuing Education Programmes.	→			
					7. Joint Student Projects, Consultancy services and Sponsored Research Projects.	→			

**Note:1. Activities will be identified and starting during the first year i.e. academic year 2004-05 and continue till the end of the project and beyond the project period. However, the activities may be improved /modified based on the needs in due course.**

**2. Work plan for certain identified activities for the period upto June, 2006 is given in Annexure.**

f) Name of the 6<sup>th</sup> Network Partner: Government Institute of Electronics, Secunderabad. (Network Institution)  
 Planned bi-directional activities planned with 6<sup>th</sup> Network Partner

Activities/services/support which outgo from your institution to the network partner No 5	Indicate starting and completion time				Areas of support to be received from Network partner No. 5	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08		2004-05	2005-06	2006-07	2007-08
1. Sharing of expertise and support in R&D activities in the following areas:  a) Mobile communications. b) Micro controllers. c) Embedded Systems d) R.T.Os. e) VLSI		→			1. Sharing of expertise in academic areas: a) Signal Processing b) Computer Networking c) VLSI d) Language Training.		→		
2. Support and sharing of language laboratory, Digital Library, Labs.		→			2. Support from Process Instrumentation lab, Bio-Medical Service Lab & Electronics Labs.		→		
3. Joint organization of Seminars & Workshops.		→			3. Support for Community Development Programmes.		→		
4. Joint organization of Continuing Education Programmes.		→			4. Joint organization of Seminars & Workshops.		→		
5. Joint Student Projects, Consultancy services and Sponsored Research Projects.		→			5. Joint organization of Continuing Education Programmes, Training to Technical Staff.		→		
					7. Joint Student Projects, Consultancy services and Sponsored Research Projects.		→		

**Note:1. Activities will be identified and starting during the first year i.e. academic year 2004-05 and continue till the end of the project and beyond the project period. However, the activities may be improved /modified based on the needs in due course.**  
**2. Work plan for certain identified activities for the period upto June, 2006 is given in Annexure.**

## 5.2 Non-Formal Networking

Activities to be undertaken	Name of the organization with which networked	Indicate starting and completion time			
		2004-05	2005-06	2006-07	2007-08
Sharing expertise in ECE, EEE, ME & CSE	IISc., Bangalore,	→			
	IIT, Chennai	→			
	NIT, Warangal	→			
Training for Faculty & staff	Central Institute of Tool Design, Hyderabad.	→			
	Central Power Research Institute, Hyderabad.	→			
	Govt.Institute of Electronics, Hyderanad.	→			
	Staff Training College, JNTU, Hyderabad.	→			
For students projects (UG / PG)	CMC Ltd., Hyderabad	→			
	Step on line Software Ltd., Bangalore.	→			

**Note:** Activities will be identified and starting during the first year i.e. academic year 2004-05 and continue till the end of the project and beyond the project period. However, the activities may be improved /modified based on the needs in due course.

## UNIT-6

### SERVICES TO COMMUNITY AND ECONOMY

**6.1 Services to Community and Economy** [these should be planned to be rendered with the involvement of all the Departments, Faculty, Staff and Students]. Suggested Activities: (pages 13 & 14 of PIP and slides ----)

a) Services to be Rendered to the Community [the community should be in the vicinity of the institution]

Identified Activities	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Programmes on Water Management, Purification, Harvesting & Chlorinization		→	→	→
Technical Assistance and advise on Solar Energy.		→	→	→
Training in Drip Irrigation.		→	→	→
Technical Assistance & Advise on Low Voltage programmes.	→	→	→	→
Computer literacy programmes such as Operating systems, MS-Office etc., to improve the employment opportunities of the youth of surrounding areas and for better usage of internet to avail latest technology in agriculture to improve the economy.	→	→	→	→
Organizing programs on AIDS, Nutritious food habits, Dairy forming, Usage of Bio-gas, etc.		→	→	→
Establishing a Consultancy & Advisory Cell to attend to the problems which are referred by the community.	→			
Establishing linkages with Central & State Govt. agencies and Non-Governmental organizations to render better services to the community.	→			

**Note: Activities will be identified and starting during the first year i.e. academic year 2004-05 and continue till the end of the project and beyond the project period. However, the activities will be improved /modified based on the needs in due course.**

b) Services to be extended to the unorganized labour force

Identified Activities	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Providing artisan training in the trades of Workshop such as Carpentry, Welding, House wiring, Black Smithy & Lathe Works in our college workshop.	→	→	→	→
Providing computer training in basics such as Operating systems, MS-Office, DTP etc., to improve their employment opportunities and economy.	→	→	→	→
Training in repair of two wheeler vehicles.		→	→	→

**Note: Activities will be identified and starting during the first year i.e. academic year 2004-05 and continue till the end of the project and beyond the project period. However, the activities will be improved /modified based on the needs in due course.**

- c) Services to be extended to the organized labour force (suggested activities could be Continuing Education Programmes, specialized training sought by industry etc) Please refer to page 14 of PIP

Identified Activities	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Training to the employees of industry, students, unemployed graduates in areas like AUTO CAD, Hardware, VLSI Design, Embedded Systems, Tool Design, Refrigeration and Air-Conditioning, Certificate courses in latest computer technologies, Internet, CNC Machines, Computers maintenance, etc.	→	→	→	→
Organizing Continuing Education programmes.	→	→	→	→

**Note:** Activities will be identified and starting during the first year i.e. academic year 2004-05 and continue till the end of the project and beyond the project period. However, the activities will be improved /modified based on the needs in due course.

## **UNIT-7**

### **Overall Programme Life Time Financial requirements for Institutional Development**

Institutions should sum the expected resource requirement for different years for all the activities proposed under Institutional Development (Academic Excellence, Networking, Services to Community and Economy and Tribal Development Plan) in the formats given in para 7.1 to 7.6.

If there is no fund requirement under any of the expenditure categories or sub-categories or in any project year, this should be shown as 0.00.

## 7.1 Promotion of Academic Excellence (Financial Requirement) – Total of 7.1.1 to 7.1.5

(Rs in Million)

S.No.	Category of Expenditure	Allocation indicated to institution	Proposed re-appropriation 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)
<b>(A)</b>	<b>INVESTMENT COST</b>								
1.	Civil Works*	0.00	0.00	0.00	12.000	9.000	3.000	0.00	0.00
2.	Equipment	0.00	0.00	0.00	53.539	32.822	20.717	0.00	0.00
3.	Furniture	0.00	0.00	0.00	2.113	1.423	0.690	0.00	0.00
4.	Vehicles	0.00	0.00	0.00	0.000	0.000	0.000	0.00	0.00
5.	Books and Learning Resources	0.00	0.00	0.00	8.000	2.750	2.250	2.25	0.75
6.	Consultancy Services** & Research Studies	0.00	0.00	0.00	6.500	1.875	1.825	1.675	1.125
7.	Training/Study Tours/Fellowships (Local & Foreign)	0.00	0.00	0.00	16.460	3.370	4.940	4.550	3.60
<b>Sub Total (A)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>98.612</b>	<b>51.240</b>	<b>33.422</b>	<b>8.475</b>	<b>5.475</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST ***</b>								
8.	Salaries for Additional Key Faculty and Staff	0.00	0.00	0.00	3.965	0.800	1.055	1.055	1.055
9.	Consumables	0.00	0.00	0.00	3.050	0.755	0.765	0.765	0.765
10.	Operation & Maintenance	0.00	0.00	0.00	5.650	1.330	1.440	1.440	1.440
<b>Sub Total (B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12.665</b>	<b>2.885</b>	<b>3.260</b>	<b>3.260</b>	<b>3.260</b>
<b>Grand Total (A+B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>111.277</b>	<b>54.125</b>	<b>36.682</b>	<b>11.735</b>	<b>8.735</b>

\*Restricted to 10% of Project - life time allocation

\*\* Consultancy may be given for civil works, procurement of goods, implementation of fellowship programs, educational studies, academic activities and other activities

\*\*\* Restricted to 15% of Project life time allocation

### 7.1.1 Tribal Development Plan

(Rs in Million)

S.No.	Category of Expenditure	Allocation indicated to institution	Proposed re-appropriation 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)
<b>(A)</b>	<b>INVESTMENT COST</b>								
1.	Equipment	0.00	0.00	0.00	1.10	1.10	0.00	0.00	0.00
2.	Furniture	0.00	0.00	0.00	0.10	0.10	0.00	0.00	0.00
3.	Books and Learning Resources	0.00	0.00	0.00	3.00	0.75	0.75	0.75	0.75
4.	Training/Workshop	0.00	0.00	0.00	3.50	0.75	1.00	1.00	0.75
<b>Sub Total (A)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>7.70</b>	<b>2.70</b>	<b>1.75</b>	<b>1.75</b>	<b>1.50</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST</b>								
5.	Salaries for Additional Key Faculty and Staff (only honorarium)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.	Consumables	0.00	0.00	0.00	0.15	0.03	0.04	0.04	0.04
7.	Operation & Maintenance	0.00	0.00	0.00	0.15	0.03	0.04	0.04	0.04
<b>Sub Total (B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.30</b>	<b>0.06</b>	<b>0.08</b>	<b>0.08</b>	<b>0.08</b>
<b>Grand Total (A+B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>2.76</b>	<b>1.83</b>	<b>1.83</b>	<b>1.58</b>

### 7.1.2. Institutional Management Capacity Development

(Rs in Million)

S.No.	Category of Expenditure	Allocation indicated to institution	Proposed re-appropriation 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)
<b>(A)</b>	<b>INVESTMENT COST</b>								
1.	Training/Study Tours/Fellowships (Local & Foreign)	0.00	0.00	0.00	2.50	0.70	0.60	0.60	0.60
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.50</b>	<b>0.70</b>	<b>0.60</b>	<b>0.60</b>	<b>0.60</b>

### 7.1.3. Implementation of Reforms

(Rs in Million)

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)
<b>(A)</b>	<b>INVESTMENT COST</b>								
1.	Books and Learning Resources	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.	Consultancy Services & Research Studies	0.00	0.00	0.00	2.70	0.60	0.70	0.70	0.70
3.	Training/Study Tours/Fellowships (Local & Foreign)	0.00	0.00	0.00	3.00	0.50	1.00	0.75	0.75
<b>Sub Total (A)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.70</b>	<b>1.10</b>	<b>1.70</b>	<b>1.45</b>	<b>1.45</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST</b>								
4.	Consumables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.	Operation & Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Sub Total (B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Grand Total (A+B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.70</b>	<b>1.10</b>	<b>1.70</b>	<b>1.45</b>	<b>1.45</b>

### 7.1.4. Project Monitoring and Implementation

(Rs in Million)

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)
<b>(A)</b>	<b>INVESTMENT COST</b>								
1.	Consultancy Services& Research Studies	0.00	0.00	0.00	0.65	0.10	0.20	0.20	0.15
2.	Training/Study Tours/Fellowships (Local & Foreign)	0.00	0.00	0.00	1.00	0.20	0.30	0.30	0.20
<b>Sub Total (A)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.65</b>	<b>0.30</b>	<b>0.50</b>	<b>0.50</b>	<b>0.35</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST</b>								
3.	Consumables	0.00	0.00	0.00	0.20	0.05	0.05	0.05	0.05
4.	Operation & Maintenance	0.00	0.00	0.00	0.20	0.05	0.05	0.05	0.05
<b>Sub Total (B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.40</b>	<b>0.10</b>	<b>0.10</b>	<b>0.10</b>	<b>0.10</b>
<b>Grand Total (A+B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.05</b>	<b>0.40</b>	<b>0.60</b>	<b>0.60</b>	<b>0.45</b>

**7.1.5. 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 Million)

S.No.	Category of Expenditure	Allocation indicated to institution	Proposed re-appropriation 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)
<b>(A)</b>	<b>INVESTMENT COST</b>								
1.	Civil Works*	0.00	0.00	0.00	12.000	9.00	3.00	0.00	0.00
2.	Equipment	0.00	0.00	0.00	52.439	31.722	20.717	0.00	0.00
3.	Furniture	0.00	0.00	0.00	2.013	1.323	0.69	0.00	0.00
4.	Vehicles	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00
5.	Books and Learning Resources	0.00	0.00	0.00	5.000	2.000	1.500	1.500	0.00
6.	Consultancy Services** & Research Studies	0.00	0.00	0.00	3.150	1.175	0.925	0.775	0.275
7.	Training/Study Tours/Fellowships (Local & Foreign)	0.00	0.00	0.00	6.460	1.220	2.040	1.900	1.300
<b>Sub Total (A)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>81.062</b>	<b>46.440</b>	<b>28.872</b>	<b>4.175</b>	<b>1.575</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST ***</b>								
8.	Salaries for Additional Key Faculty and Staff	0.00	0.00	0.00	3.965	0.800	1.055	1.055	1.055
9.	Consumables	0.00	0.00	0.00	2.700	0.675	0.675	0.675	0.675
10.	Operation & Maintenance	0.00	0.00	0.00	5.300	1.250	1.350	1.350	1.350
<b>Sub Total (B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>11.965</b>	<b>2.725</b>	<b>3.080</b>	<b>3.080</b>	<b>3.080</b>
<b>Grand Total (A+B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>93.027</b>	<b>49.165</b>	<b>31.952</b>	<b>7.255</b>	<b>4.656</b>

\*Restricted to 10% of Project - life time allocation

\*\* Consultancy may be given for civil works, procurement of goods, implementation of fellowship programs, educational studies, academic activities and other activities

\*\*\* Restricted to 15% of Project life time allocation

## 7.2. Networking (Financial Requirement)

(Rs in Million)

S.No.	Category of Expenditure	Allocation indicated to institution	Proposed re-appropriation 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)
<b>(A)</b>	<b>INVESTMENT COST</b>								
1.	Equipment*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.	Training/Workshop	0.00	0.00	0.00	5.18	1.00	1.48	1.35	1.35
<b>Sub Total (A)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.18</b>	<b>1.00</b>	<b>1.48</b>	<b>1.35</b>	<b>1.35</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST</b>								
3.	Consumables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.	Operation & Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Sub Total (B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Grand Total (A+B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.18</b>	<b>1.00</b>	<b>1.48</b>	<b>1.35</b>	<b>1.35</b>

\*Equipment needed for communication between Institutions such as video conferencing etc.

### 7.3. Services to Community & Economy (Financial Requirement)

(Rs in Million)

S.No.	Category of Expenditure	Allocation indicated to institution	Proposed re-appropriation 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)
<b>(A)</b>	<b>INVESTMENT COST</b>								
1.	Equipment (Minimum)	0.00	0.00	0.00	0.90	0.90	0.00	0.00	0.00
2.	Training/Workshop	0.00	0.00	0.00	1.60	0.30	0.50	0.50	0.30
<b>Sub Total (A)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.50</b>	<b>1.20</b>	<b>0.50</b>	<b>0.50</b>	<b>0.30</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST</b>								
3.	Consumables	0.00	0.00	0.00	0.20	0.04	0.06	0.06	0.04
4.	Operation & Maintenance	0.00	0.00	0.00	0.20	0.04	0.06	0.06	0.04
<b>Sub Total (B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.40</b>	<b>0.08</b>	<b>0.12</b>	<b>0.12</b>	<b>0.08</b>
<b>Grand Total (A+B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.90</b>	<b>1.28</b>	<b>0.62</b>	<b>0.62</b>	<b>0.38</b>

#### 7.4. Category wise Total Allocation

This Table is total of the figures given in Table 7.1, 7.2 and 7.3. Also provide Project lifetime allocation based on the formula given at the end of this table.

(Rs in Million)

S.No.	Category of Expenditure	Allocation indicated to institution	Proposed re-appropriation 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*	0.00	0.00	0.00	12.000	9.00	3.000	0.00	0.00
2.	Equipment	0.00	0.00	0.00	54.439	33.722	20.717	0.00	0.00
3.	Furniture	0.00	0.00	0.00	2.113	1.423	0.690	0.00	0.00
4.	Vehicles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.	Books and Learning Resources	0.00	0.00	0.00	8.000	2.750	2.250	2.250	0.750
6.	Consultancy Services** & Research Studies	0.00	0.00	0.00	6.500	1.875	1.825	1.675	1.125
7.	Training/Study Tours/Fellowships (Local & Foreign)	0.00	0.00	0.00	23.240	4.670	6.920	6.400	5.250
<b>Sub Total (A)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>106.292</b>	<b>53.440</b>	<b>35.402</b>	<b>10.325</b>	<b>7.125</b>
(B)	INCREMENTAL OPERATING COST ***								
8.	Salaries for Additional Key Faculty and Staff	0.00	0.00	0.00	3.965	0.800	1.055	1.055	1.055
9.	Consumables	0.00	0.00	0.00	3.250	0.795	0.825	0.825	0.805
10.	Operation & Maintenance	0.00	0.00	0.00	5.850	1.370	1.500	1.500	1.480
<b>Sub Total (B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>13.065</b>	<b>2.965</b>	<b>3.380</b>	<b>3.380</b>	<b>3.340</b>
<b>Grand Total (A+B)</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>119.357</b>	<b>56.405</b>	<b>38.782</b>	<b>13.705</b>	<b>10.465</b>

\* Restricted to 10% of Project - life time allocation

\*\* Consultancy may be given for civil works, procurement of goods, implementation of fellowship programs, educational studies, academic activities and other activities

\*\*\* Restricted to 15% of Project life time allocation

## 7.5. Component Wise Financial Requirement

(Rs in Million)

S.No.	Category of Expenditure	Allocation indicated to institution	Proposed re-appropriation 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)
<b>(A)</b>	<b>INVESTMENT COST</b>								
1.	Promotion of Academic Excellence (Total of 7.1)	0.00	0.00	0.00	111.277	54.125	36.682	11.735	8.735
2.	Networking (Total of 7.2)	0.00	0.00	0.00	5.18	1.00	1.48	1.35	1.35
3.	Services to Community & Economy (Total of 7.3)	0.00	0.00	0.00	2.90	1.28	0.62	0.62	0.38
<b>Total</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>119.357</b>	<b>56.405</b>	<b>38.782</b>	<b>13.705</b>	<b>10.465</b>

## UNIT-8

### Programme Implementation and Monitoring Mechanisms

For effective implementation and monitoring of the TEQIP, it is proposed to constitute the following committees. Various members of faculty are made into groups for this purpose. These committees will meet once in fortnight to monitor the progress and implement the programme meticulously. Any deviation will be brought to the notice of the Head of the Institution for taking corrective measures.

#### **Suggested mechanism:**

The institutions may form action groups for various implementation and monitoring purposes to divide the responsibility and to ensure proper implementation of the Programme. A regular meeting/discussion schedule may be worked out for all groups to meet and evaluate progress with the Head of the Institutions on weekly or bi-monthly basis.

Faculty and staff groups could be involved in implementation of the following :

#### **Implementation of academic excellence activities.**

The committee will identify the activities under academic excellence and monitor/review by meeting once in fortnight

Dr.M.Subbarayudu, Principal	- Chairman
Dr.K.V.Desikachar, Dept. of EEE	- Member
Dr.K.Srinivas, Dept. of ECE	- Member
Dr.G.V.Prabhakara Rao, Dept. of IT	- Member
Prof.M.Eswara Reddy, Dept. of EIE	- Member
Sri M.V.Subramanyam, Dept. of ECE	- Convenor.

#### **Promoting research and consultancy – research and consultancy cell**

The cell will interact with industry and other organizations for obtaining consultancy and identify the activities to promote research among the staff and students. It will monitor the progress every month and take necessary steps.

Dr.M.Subbarayudu, Principal	- Chairman
Dr.V.Dakshina Murthy, Dept. of EEE	- Member
Dr.M.Venkatesulu, Dept.of CSE	- Member
Prof.D.M.Rao, Dept. of ECE	- Member
Dr.Ram Chakka, Dept. of CSE	- Convenor.

#### **Faculty and staff development**

The committee will identify various training programmes for faculty and staff to up-date their knowledge. They will recommend the principal to sponsor the faculty and staff for various training programmes. The committee will meet once in a month to review and monitor the progress.

Dr.M.Subbarayudu, Principal	- Chairman
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Dr.K.Srinivas, Dept. of ECE	- Member
Sri K.Muralidhar Reddy, Dept. of EIE	- Member
Sri K.Tirupathi Reddy, Dept. of ME	- Member
Sri T.Rama Subba Reddy, Dept. of EEE	- Convenor.

### **Procurement of civil works**

The committee will identify the civil works and call consultants and contractors to take up the works. The committee will meet based on the requirement and review the progress.

Dr.M.Subbarayudu, Principal	- Chairman
Sri C.Nagaraju, Dept. of IT	- Member
Sri C.Krishnamaraju, Dept. of ME	- Convenor.

### **Procurement of goods**

The committee will identify the requirement of goods of the different departments and call for quotations as per the guidelines given by the World Bank to procure the goods. The committee will take all necessary steps to procure quality goods and meet the requirements of the different departments. The committee will meet once in fortnight to review and monitor.

Dr.M.Subbarayudu, Principal	- Chairman
Sri D.V.Ashok Kumar, Dept. of EEE	- Member
Mrs.Sunitha Yadav, Dept. of Humanities	- Member
Sri G.A.E.Satish Kumar, Dept. of ECE	- Member
Sri R.Thyagaraju, AO	- Convenor.

### **Networking**

The committee will identify the different aspects of networking with other institutions in the areas like resource sharing, knowledge sharing and other physical facilities. The committee will also identify the expertise and services which can be offered to other institutions as part of networking. The committee will meet twice in a month to review the activities and monitor the implementation.

Dr.M.Subbarayudu, Principal	- Chairman
Sri G.Sunil Vijay Kumar, Dept. of CSE	- Member
Sri D.Satyanarayana, Dept. of ECE	- Member
Sri P.V.Gopi Krishna, Dept. of EIE	- Member
Sri P.Imdad Basha, Dept. of EEE	- Member
Dr.G.V.Prabhakara Rao, Dept. of IT	- Convenor.

### **Services to Community & Economy**

The committee will make necessary survey to identify the required services to community within the vicinity of the institution to improve the standard of the living, employment opportunities and economy. It will also identify the activities of service to organized labour

sector and unorganized labour sector to improve their capabilities, employment opportunities and economy. It will involve the other staff and students in the activities.

Dr.M.Subbarayudu, Principal	- Chairman
Sri R.S.Muralinath, Dept. of CSE	- Member
Sri S.Govindarajulu, Dept. of ECE	- Member
Sri D.Maheswar, Dept. of ME	- Member
Dr.M.Uma Mahesh, Dept. of Chemistry	- Convenor.

### **Industry Institute Interaction**

The committee will visit the industries to enhance the interaction with the industry. It will invite the experts from the industries to share their experiences and to guide the students and staff. The experts from industry will also be involved in development of curricula for augmenting the curriculum as per the needs of industry. The committee will meet twice or thrice in a month to review and monitor the progress.

Dr.M.Subbarayudu, Principal	- Chairman
Sri D.V.Ashok Kumar, Dept. of EEE	- Member
Sri M.V.Ramana Reddy, Dept. of ECE	- Member
Sri G.Sunil Vijay Kumar, Dept. of CSE	- Convenor.

### **Tribal development activities**

The committee will identify the activities for the development of ST/SC/OBC students and take necessary steps for proper implementation. It will involve the staff and students in these activities. It will meet twice in a month to review the programmes and submit their recommendations to the Head of the Institution.

Dr.M.Subbarayudu, Principal	- Chairman
Sri P.Nanda Kumar, Dept. of ME	- Member
Smt.D.Saradamani, Dept. of CSE	- Member
Ms.K.Sree Lakshmi, Dept. of EIE	- Member
Sri K. V.Suryanarayana Rao, Dept.of Maths	- Convenor.

### **Implementation of reforms**

The committee will identify the activities of academic reforms such as multiple entry, transfer of credits, improvement of curricula, Offering different electives as per the need of the industry, etc. It will take all necessary steps to implement the reforms. It will review the implementation process once in a month and recommend necessary action to the Head of the Institution.

Dr.M.Subbarayudu, Principal	- Chairman
Sri K.Mallikarjuna, Dept. of ECE	- Member
Sri K.Subba Reddy, Dept. of CSE	- Member
Sri K.Chandrasena Reddy, Dept. of EEE	- Member
Sri C.Nagaraju, Dept. of IT	- Convenor

### **Ensuring improvements in administrative and financial practices**

The committee will identify different programmes for improvement in the administrative and financial practices. The committee will identify different training programmes to the Administrative and Financial staff to improve their abilities. It will meet once in a month to review the progress and recommend necessary improvements to the management through the Head of the Institution.

Dr.M.Subbarayudu, Principal	- Chairman
Sri S.Venkateswarlu, Dept. of Maths	- Member
Sri V.N.V.Satya Prakash, Dept. of ECE	- Member
Sri R.Thyagaraju, AO	- Convenor

### **Ensuring Auditing quality of Education, Training and Services**

This committee will audit the academic activities and education practices of the different departments to recommend necessary improvements for a quality of education and for better evaluation. This will also review the different training programmes and services offered to the staff for recommending betterments. This committee will meet once in a month to review and submit its recommendations to the Head of the Institution.

Dr.M.Subbarayudu, Principal	- Chairman
Prof.D.Mallikarjuna Rao, Dept. of ECE	- Member
Dr.G.V.Prabhakara Rao, Dept. of IT	- Member
Dr.V.Dakshina Murthy, Dept. of EEE	- Convenor.

### **Monitoring implementation of the Programme**

**This committee will review the overall implementation of the TEQIP in the institution. It will monitor the implementation of different components of the programme and recommend necessary improvements wherever it is necessary. We ensure the proper implementation of the programme. The committee will meet once in a month to review and monitor the implementation of the programme and submit its reports and recommendations to the Head of the Institution.**

Dr.M.Subbarayudu, Principal	- Chairman
Dr.K.Srinivas, Dept. of EEE	- Member
Sri R.Thyagaraju, AO	- Member
Sri B.Bhaskara Rao, Dept. of IT	- Member
Sri D.Khasim, Dept. of CSE	- Member
Sri M.V.Subramanyam, Dept. of ECE	- Convenor.

### **Faculty and staff could also be involved in monitoring implementation of the following activities:**

To monitor the proper implementation of the programme we propose to form different groups of people including faculty and staff. These groups will monitor the progress quarterly and submit their reports to the Head of the Institution.

### **Conducting Auditing quality of Education, Training and Services**

Dr.M.Subbarayudu, Principal	- Chairman
Prof.D.Mallikarjuna Rao, Dept. of ECE	- Member
Dr.G.V.Prabhakara Rao, Dept. of IT	- Member
Dr.V.Dakshina Murthy, Dept. of EEE	- Convenor.

### **Conducting Audit of administrative, managerial and financial practices**

Dr.M.Subbarayudu, Principal	- Chairman
Sri K.L.Narasimharao, Secretary	- Member (Management Nominee)
Sri S.Venkateswarlu, Dept. of Maths	- Member
Sri V.Nagaraju, Dept. of Admn.	- Member
Sri G.V.Ravi Sekhar, Dept. of Accounts	- Member
Sri M.Suresh Kumar, CA	- Member
Sri R.Thyagaraju, AO	- Convenor

There is an internal audit system existing in the institution. All transactions will be thoroughly checked at different stages. The auditors of the institution (Chartered Accountants) will conduct monthly audit of all financial transactions. The annual accounts are also be audited by the Chartered Accountants.

Separate accounts will be maintained for the funds that are being spent on this TEQIP programme and can be audited by the external auditors appointed by SPFU.

### **Monitoring implementation of reforms**

Dr.M.Subbarayudu, Principal	- Chairman
Sri K.Rajendra Prasad, Dept. of IT	- Member
Sri D.Srinivasa Rao, Dept. of CSE	- Member
Sri M.Raghuram, Dept. of EIE	- Member
Sri C.Nagaraju, Dept. of IT	- Convenor

### **Monitoring compliance with MOU**

Dr.M.Subbarayudu, Principal	- Chairman
Sri N.Hari Babu, Dept. of Admn.	- Member
Sri A.Krishna Sudheer, Dept. of Humanities	- Member
Dr.M.Uma Mahesh, Dept. of Chemistry	- Convenor.

### **Monitoring implementation of Tribal development activities**

Dr.M.Subbarayudu, Principal	- Chairman
Sri V.Nageswara Reddy, Dept. of ME	- Member
Smt.D.Saradamani, Dept. of CSE	- Member
Sri D.Maheswar, Dept. of ME	- Convenor

### **Preparing quarterly reports on progress in project and reforms implementation, internal audits and compliance with conditions of MOU**

Dr.M.Subbarayudu, Principal	- Chairman
Sri P.Dibba Reddy, Dept. of Admn.	- Member
Smt.S.Anuradha, Dept. of accounts	- Member
Sri C.Krishnama Raju, Dept. of ME	- Convenor.

### **Submitting quarterly reports to their respective BOG and SPFU (in case of centrally funded institutions to BTE in DSHE)**

Dr.M.Subbarayudu, Principal	- Chairman
Sri J.Balaraju, Dept. of CSE	- Member
Sri J.Suresh Reddy, Dept. of Humanities	- Member
Sri G.Venkateswara Reddy, Dept. of Admn.	- Member
Sri R.Thyaga Raju, AO	- Convenor.

**Ensuring achievement of targets set for Output Indicators**

Dr.M.Subbarayudu, Principal	- Chairman
Sri T.Maheswar, Dept. of ECE	- Member
Sri V.Chandra Sekhar, Dept. of ME	- Member
Sri T.Subramanyam, Dept. of ME	- Convenor.

Please indicate groups (with names of responsible faculty and staff) to be formed for various activities indicated above the methodology of performing activities to ensure proper monitoring and implementation of the Programme.