

**Format -2**

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

**REVISED CONCISE  
INSTITUTIONAL PROJECT PROPOSAL  
SECOND CYCLE INSTITUTIONS**

**(27<sup>th</sup> December, 2004)**

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

**Submitted by**



**SRI VENKATESWARA UNIVERSITY  
COLLEGE OF ENGINEERING  
(AUTONOMOUS)  
TIRUPATI**

## UNIT-1

### EXECUTIVE SUMMARY

Sri Venkateswara University College of Engineering was established in the year 1959 in a sprawling S V U Campus with the primary objective of imparting Technical Education to the students of the backward and drought prone region of Rayalaseema. Initially, the branches of Civil Engineering, Mechanical Engineering and Electrical Engineering were started. Later on the branches of Electronics and Communication Engineering, Chemical Engineering and Computer Science and Engineering were added. Subsequently, the branch of Electrical Engineering was renamed as Electrical and Electronics Engineering. The post-graduate programmes in Engineering were started in 1971. At present, the college offers six undergraduate and ten post-graduate programmes in Engineering with an annual intake of 260 and 180 respectively. So far, the college has produced about 8000 graduates and post-graduates in Engineering, many of them holding prestigious positions in India and abroad. Several faculty members of this institution had teaching assignments in various reputed Universities / institutions of other countries. At present quite a good number of the faculty members have been serving as visiting faculty in Japan, Germany and Malaysia. Further, at least two faculty members in each year present research papers in international conferences organized abroad.

The institute has grown from strength to strength based on the vision, leadership, discipline and coordinated efforts of all the components of the institute namely, teaching, non-teaching, technical, ministerial staff and students. The teachers have acquired national and international recognition by way of receiving awards for the teaching and research contributions. The institute has the vision of developing into centre of excellence, providing the technical know-how in pace with the advances in technology. It has also contributed quite significantly to the extension services in the fields of rural development, clean environment, entrepreneurship development and other community based developmental programs.

The institute has congenial atmosphere in terms of built up space for academic, administrative, amenities and residential purposes, committed faculty, technical and administrative supporting staff, and administrative expertise. However, the equipment in the laboratories has become obsolete needing modernization.

The skilled man power of high quality can play a vital role in building the future of the world that provides safe and better environment to the people through the advances in informatics, communication technology and other disciplines of Engineering and Technology.

Further, the programmes should be made design and research-oriented by which this institution can take a lead to extend consultancy and other services to the industry as well as the other technical institutions of this area. As the State and Central Governments emphasize on rural development, empowering women, and tribal development, it will go a long way in providing such facilities that can be used to take care of the above. The funds from TEQIP will facilitate to achieve the above mentioned objectives.

## CURRENT INSTITUTIONAL INFORMATION

### 1.1 INSTITUTIONAL IDENTITY

1.1.1 Name of the Institution: Sri Venkateswara University College of Engineering,  
Tirupati – 517 502 , Andhra Pradesh

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

Lead & Nodal Officer	Name	Phone Numbers	Mobile Number	Fax Numbers	Email Address
Head of the Institution	Prof. N C Eswara Reddy	(0877) 2249740(O) 2248161(R)	9848175692	(0877) 2248728	principal_svuce2003@yahoo.co.in
Nodal Officers (TEQIP) for:					
Academic Activities	1. Prof. C Kesava Rao	(0877) 2249666 Extn:350(O) 2240615(R)	9848316806	(0877) 2248728	
	2. Prof. K.Ravindranath	(0877) 2249666 Extn:245(O) 2231853(R)	-----	(0877) 2248728	
Civil Works	Dr I V Ramana Reddy	(0877) 2249666 Extn:308(O) 2287469(R)	----	(0877) 2248728	
Procurement	Prof. M M Naidu	(0877) 2248869 (O) 2248473(R)	9848348473	(0877) 2248728	mmnaidu@yahoo.com
Financial Aspects	Dr. G. Siri Babu Assistant Registrar	(0877) 2249666 Extn:321 (O) 2232771 (R)			

## 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 : i) Chemical ii) Civil iii) EEE iv) ECE v) Mechanical vi) CSE	UG	4 years	1977 1959 1959 1971 1959 1986	40 40 40 40 60 40	40 40 40 40 60 40
2.	M.Tech. i) Chemical Engineering ii) Geotechnical Engineering iii) Environmental Engineering iv) Power Systems Operation & Control v) Electronic Instrumentation & Communications vi) Instrumentation & Control Systems vii) Industrial Engineering viii) Production Engineering	PG	2 years	1994 1971 1971 1971 1971 1971 1971 1993	15 15 15 15 15 15 15 15	15 15 15 15 15 15 15 15
Total					380	380

1 State whether UG/PG.

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

3 Annual intake as sanctioned by the AICTE.

1.2.2 Total strength of students in all courses and all years of study in 2003-2004: 1160

1.2.3 Total women students in all courses and all years of study in 2003-2004 : 344

1.2.4 Total ST students in all courses and all years of study in 2003 : 70

1.2.5 Total SC students in all courses and all years of study in 2003 : 174

1.2.6 Total OBC students in all courses and all years of study in 2003 : 290

### 1.2.7 Doctoral Programs

a) Total number of candidates that obtained PhD from the institution up to 2003-04 : 48

b) Total number of candidates currently registered for Ph.D. : 76

### 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	6	6	---	---
Postgraduate	10	10	10	---	---

\* NAAC accredited

### 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		
Professors		Regular	23	---	---	---	---	---	23	---
		Contract	---	---	---	---	---	---		---
Associate Professor/Reader		Regular	10	---	05	---	---	---	15	---
		Contract	---	---	---	---	---	---		---
Assistant Professor/Lecturer		Regular	02	---	14	---	02	---	16	---
		Contract	---	---	45	---	02		47	---

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

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.25,000/-(0.025 Millions)

(Average recurrent cost per student = Total recurrent expenditure of the institution divided by the total strength of students in all UG and PG engineering programs in March 2004)

#### 1.5 CURRENT TEACHER-STUDENT RATIO: 1 : 11.485

(This is to be calculated by dividing the total number of regular faculty + full-time contract faculty + regular faculty equivalent of visiting/part-time faculty by the total strength of students in all engineering programs in March 2004)

(Number of regular faculty equivalent = total number of hours taught by visiting/part-time faculty divided by 20)

## UNIT – 2

### VISION

#### 2.0 Institutional Vision

The vision of the Institution is to participate in national and international efforts to alleviate world hunger and poverty to prepare faculty and students to be responsible citizens of the world. The initiatives and plans of the institute are directed towards significant contribution to increased scientific, technical, cultural, educational, economical, and socio-economical transformation and understanding among the people of this region and members of the world community as well. The institute plans to protect its intellectual property of faculty, student and alumni appropriately, in the long-term interest of the institute and region as a whole.

#### 2.1 Identify the part of the Vision you plan to achieve during the current project-life (i.e. your Pragmatic Future)

- Promotion of Academic Excellence
- Networking
- Service to Community and Economy

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

- ❖ Modernizing the laboratory facilities
- ❖ Strengthening Doctoral Programmes by offering fellowships
- ❖ Continuous revision of curricula and evaluation of student performance through flexible credit system
- ❖ Performance evaluation of teachers by students
- ❖ Merit rating of teachers
- ❖ Procurement of books and learning resources
- ❖ Establishment of Digital Library
- ❖ Establishment of Media Centre
- ❖ Faculty and staff Development
- ❖ Institutional Management Capacity Development
- ❖ Campus wide Networking
- ❖ Organizing training/counseling programmes for socially disadvantaged students
- ❖ Organizing training programmes for organized and unorganized sectors
- ❖ Sharing /exchange of expertise and resources through formal networking
- ❖ Improving Industry-Institute Interaction
- ❖ Organization of International/National Conferences / Symposia / Workshops
- ❖ Extension activities for socio-economic advancement
- ❖ Establishment of consultancy cell for rendering technical solutions

### 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	Introduction of credit system			Starting July,06	Completion Dec,07
2. Introduction of reforms in student performance evaluation	Introduction a system for continuous evaluation of student performance through regular assignments, mid-term tests, mini-projects, quizzes, group discussions and seminars			Starting July,06	Completion Dec,07
3. Establishment of a system for teacher performance appraisal by students, and teacher counseling	Introduction of a system for teacher performance appraisal by students every semester		Starting July,05		Completion Dec,07
	Introduction of teacher counseling system based on teacher performance appraisal reports				
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	Instituting awards, prizes, certificates of appreciation for participation.		Starting July,05	Starting July,06	Completion Dec,07
5. Establishment of a system for recognizing merit and outstanding performance of teachers	Introduction of a system for objective merit rating of teachers based on their contributions to teaching, research, consultancy and extension activities		Starting July,05		Completion Dec,07

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	Introduction of a system for sharing the income generated through consultancy services. Providing a well furnished office with Office Automation Tools and Secretarial Assistance		Starting July,05		Completion Dec,07
7. Establishment of a system for maintaining record of graduates and conducting regular tracer studies	Design, development and implementation of Web-based Student Information System		Starting July,05		Completion Dec,07
8. Establishment of a governance system with participation of stakeholders	Constituting Governing Body consisting of nominees of AICTE, UGC, State Government, and University, industrialists, educationists, alumni representative, teachers representatives to manage the affairs of the college	Starting Feb,05			
9. Establishment of a modern management system – delegation of decision making, administrative and financial powers to senior functionaries with accountability	Preparing a manual specifying organization structures, authority, responsibility and accountability of each role and delegation of authority for effecting decision making.		Starting July,05		Completion Dec,07
10. Modernization of administrative and financial management system to increase staff and student friendliness, increase time efficiency and resource efficiency	Design, development and implementation of Intranet-based Administrative and Financial Management System		Starting July,05		Completion Dec,07
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	Instituting depreciation fund		Starting July,05		Completion Dec,07
	Instituting equipment and physical infrastructure maintenance fund				
	Instituting pension fund for future employees as per the state government policy				
	Instituting corpus fund to deposit the surplus over the expenditure				
12. Instituting measures for increasing recovery of cost of education	Introduction of measures for increasing the recovery of cost of education subject norms of the state government stipulated from time to time.		Starting July,05		Completion Dec,07

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	Introduction of a system for sharing resources of individual departments among the departments of the college to maximize their utilization reducing wastage.		Starting July,05		Completion Dec,07
	Creation of centralized library, computer centre, CAD laboratories, electronic class rooms, seminar/conference halls for maximizing utilization and reducing wastage				
14. Establishment of mechanisms for regular quality and efficiency audit of institutional activities including academic processes and administrative procedures.	Formulating norms, standards, rules, codes and procedures to ensure quality and efficiency in carrying out academic and administrative functions		Starting July,05		Completion Dec,07
	Introduction of annual academic and administrative auditing				

\* The programs and activities envisaged under this activity would continue subject to modifications depending on the need even after the project implementation .

## UNIT-4

### ACADEMIC EXCELLENCE

#### 4.1 PRIORITIES

- a) The institute envisages comprehensive academic excellence by adopting an integrated approach involving students, staff and community.
- b) In order to achieve the standards at international level, the activities have been identified by the faculty and students after thorough discussions based on the standards achieved by the institute from time to time.
- c) The institute plans to develop certain centres of excellence in the fields of appropriate technologies, water resources management, entrepreneurship development and distribution automation of electric power.
- d) Special emphasis is being laid for tribal development, student and staff development and resource generation.
- e) The development activity includes modernization of the existing laboratories to keep abreast with the current developments in instrumentation to make available the sophisticated measuring techniques for students for advanced research and training.

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	2
3.	Increasing efficiency and effectiveness of the education process through better academic discipline and improved governance	3
4.	Improving post-graduate admission to M.Tech and Research programs through better structuring of offerings and increased facilities	4
5.	Improving sponsored Research and Consultancy activities	5

#### 4.2 CURRICULUM REVISION

- a) The existing programmes will be further strengthened
- b) No additional UG/PG programs being proposed
- c) Curriculum development will be done based on periodical review and it would be industry oriented
- d) Increased attention to industrial visits to orient the students towards practical aspects.
- e) Organizing student level seminars to encourage presentations on technical issues.
- f) Offering mini-projects to encourage creativity among students.

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

The institution is not proposing any restructure and closure of the existing UG and PG Programs.

**4.2.2 UG/PG programmes to be reoriented** [write nil if no programmes are to be reoriented and delete the table] – **Nil**

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

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

**4.2.5 Curriculum Improvement / Up gradation of Curricula**

Activity	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Introduction of credit system		Starting Apr,05	Completion Dec,06	
Revising courses and syllabi every year	Starting July,05			Completion Mar, 08
Introduction of continuous internal assessment system to evaluate the performance of students	Starting July,05			Completion Mar, 08
Organizing Seminars/Workshops involving stake holders to obtain feedback on curricula	Starting June,05			Completion Dec,07
Organizing training programmes for faculty on curriculum development				

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

- a) The institute plans to modernize the existing laboratories to update the testing skills to measure up to international standards.
- b) The primary concern is to train the student community at international standards, as they would feel at home when they have to acclimatize themselves to foreign institutions during higher studies.
- c) Further, they can develop and adopt improved and updated technology so as to strengthen their capabilities of using the test results for analysis, assessment and design of various technical aspects in their respective fields of specialization.
- d) The proposals seek assistance for meeting the expenditure apart from purchase of Modern equipment, acquisition of technical know how, up gradation of process technology enabling thrust on quality improvement.

e) Modernization intends to develop of prototypes, designs and drawings.

Department	Name of the lab/workshop	Purpose/ linkage to existing Programme	Indicate starting and completion time			
			2004-05	2005-06	2006-07	2007-08
Chemical Engg.	a) Non Conventional Separations b) Testing c) Environmental Engineering d) Strengthening of Existing Research Facilities e) Teaching Aids	1. To augment and modernize the existing laboratories.  2. To remove Obsolescence	Starting, Jan,05			Completion Dec,07
Civil Engg.	a) Environmental Engineering b) Geo-Technical Engineering c) Hydraulics & Water Resources Engineering d) Structural Engg. e) Survey and Transportation Engineering f) Remote Sensing and GIS	1. To augment and modernize the existing laboratories.  2. To remove Obsolescence	Starting, Jan,05			Completion Dec,07
	Centre for Rural Development and Appropriate Technologies (CeRDAT)	To enhance the activity related to application of appropriate technologies for contributing to economy and lessening the burden of the rural people	Starting, Jan,05			Completion Dec,07
	Centre for Advance Studies in Water Resource Management	To Identify the sites for locating water shed management structures, evolving scientific criterion for site characterization and effective water resource management	Starting, Jan,05			Completion Dec,07

Computer Science & Engineering	<ul style="list-style-type: none"> <li>a) Information Systems</li> <li>b) Software Technology</li> <li>c) Parallel and Distributed Computing</li> <li>d) Real Time systems</li> <li>e) Natural Languages and Text Processing</li> <li>f) Artificial Intelligence</li> <li>g) Image Processing and Pattern Recognition</li> <li>h) Agent Laboratory</li> <li>i) Multimedia</li> <li>j) Microprocessor and VLSI Design</li> <li>k) Robotics</li> </ul>	<p>1. To augment and modernize the existing laboratories.</p> <p>2. To remove Obsolescence</p>	Starting, Jan,05			Completion Dec,07
Electrical Engg.	<ul style="list-style-type: none"> <li>a) Advanced Signal Processing</li> <li>b) VLSI</li> <li>c)Optical Communication</li> <li>d) Digital Image Processing</li> <li>e) Advanced Power System Simulation</li> <li>f) Biomedical Engg.</li> <li>g) Microwave Lab.</li> <li>h) Digital Electronics</li> <li>i) Control Systems</li> <li>j) Electrical Machines</li> <li>k) Proposed Centre for low-cost mobile communication for rural &amp; remote areas.</li> <li>l) Equipment proposed for new M.Tech programs</li> </ul>	<p>1. To augment and modernize the existing laboratories.</p> <p>2. To remove Obsolescence</p>	Starting, Jan,05			Completion Dec,07
	Centre for Advanced Studies in distribution automation	<p>1.To develop training and research facility</p> <p>2. To impart training to field engineers and students</p>	Starting, Jan,05			Completion Dec,07

Mechanical Engineering	a)Advanced Manufacturing Technology & FMS b) Production Engg. and Mechatronics c) Thermal Engg. and Energy Systems	1. To augment and modernize the existing laboratories. 2. To remove Obsolescence	Starting, Jan,05			Completion Dec,07
	Centre for Technology Transfer and Entrepreneurship development	1.To create and develop and Entrepreneurial culture in the region 2. To establish linkage with CSIR and R&D laboratories. 3. Organize Industrial Exhibitions, Technical exposition meets and to promote research.	Starting, Jan,05			Completion Dec,07

#### 4.4 New Programmes Proposed : Nil

#### 4.5 Areas of Doctoral Programmes

- The college has been offering doctoral programmes in all departments since 1970.
- Most of the candidates registered for doctoral programmes are part-time students. To motivate the students to register for full-time doctoral programmes and to ensure improvement in quality of research, it is highly desirable to offer fellowships as given below.

Purpose for which required	Estimated Person-Months	Estimated Cost (Rs. in millions)
Fellowships for full-time doctoral students	1086	10.80 (@ the rate of Rs.10000/- per candidate per month)
Contingency	1080	0.45 (@ the rate of Rs.5000/- per candidate per year)
Total		11.25

#### 4.6 Establishment of New Laboratories and Workshops : Nil

#### 4.7 Additional Faculty and Staff Required :

Purpose	Designation	Numbers
For collection of field data, data processing, project assistants in relation to CeRDAT, Water Resource Management, Distribution Automation Electric Power, Centre for Cellular & Mobile Communications and Entrepreneurship Development Cell activities,	<b>Staff</b>	<b>Number</b>
	Project Officer	1
	Supervisor	1
	Project Associates	2
	Field Assistants	4
<b>Total estimated expenditure on salaries and benefits</b>		1.8

#### 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
Chemical Engineering (a) Bio-Technology (b) Mass Transfer	6	6	2	4
Civil Engineering : (a) Environmental Engineering (b) Structural Engineering	6	6	2	4
Computer Science and Engineering: (a) Object Oriented Software Engg. (b) Multimedia Processing	6	6	2	4
Electrical & Electronics Engineering: (a) Power Systems (b) Power Electronics	6	6	2	4
Electronics & Communication Engineering: (a) Microwave Engineering (b) Digital Signal Processing	6	6	2	4
Mechanical Engineering : (a) Advanced Manufacturing Technology (b) Cryogenic Engineering	6	6	2	4

#### 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
Bio-chemical Technologies	2	2
Low-cost housing	2	2
Networking and System Administration Engineering	2	2
Power Distribution	2	2
Mobile Communication Technology	2	2
Training in Refrigeration and Air-conditioning Technologies	2	2

#### 4.10 Improved Implementation of Curricula :

Activity	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Introduction of credit system		Starting July,05		Closing Dec,07
Revising courses and syllabi every year		Starting July,05		Closing Dec,07
Introduction of continuous internal assessment system to evaluate the performance of students		Starting July,05		Closing Dec,07
Organizing Seminars/Workshops involving stake holders to obtain feedback on curricula		Starting July,05		Closing Dec,07
Organizing training programmes for faculty on curriculum development		Starting July,05		Closing Dec,07

\* Closing means completion

#### 4.11 Improvement in Student Evaluation

Activity	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Periodic Assignments		Starting July,05		Closing Dec,07
Mini Projects		Starting July,05		Closing Dec,07
Student Seminars		Starting July,05		Closing Dec,07
Scientific Exhibitions		Starting July,05		Closing Dec,07
Quiz Programmes		Starting July,05		Closing Dec,07

\* Closing means completion

#### 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		Starting July,05		Closing Dec,07
Establishment of Consultancy Cell		Starting July,05		Closing Dec,07
Organizing state of the art lectures		Starting July,05		Closing Dec,07
Creating R & D facilities for faculty / students		Starting July,05		Closing Dec,07

\* Closing means completion

#### 4.13 Enhanced Interaction with Industry

Activity	Indicate starting and completion time			
	2004-05	2005-06	2006-07	2007-08
Establishing Industry-Institution Interaction Cell		Starting July,05		Closing Dec,07
Conducting Continuing Education Programmes		Starting July,05		Closing Dec,07
Organizing Industrial training of faculty		Starting July,05		Closing Dec,07
Industrial training of students		Starting July,05		Closing Dec,07
Undertaking Consultancy		Starting July,05		Closing Dec,07
Hosting industry R&D centers		Starting July,05		Closing Dec,07
Others		Starting July,05		Closing Dec,07

\* Closing means completion

#### 4.14 Tribal Development Plan (TDP)

##### **Reservation of Seats for SC/ST :**

The seats are reserved for SC/ST students as per the provisions of the Constitution and as per the rules in force from time to time according to the State Government guidelines as under:

Reservations for SC/ST: 15% + 6% : 21%  
Reservations for Socially Backward Communities : 25%

##### **Implementation of Programs and Policies for the benefit of SC/ST Community:**

There is a well-established system to train and undertake special coaching for SC/ST students to appear for GATE, UPSC, APPSC, APGENCO, APTRANSO, and other services. These activities are taken care of by Social welfare wing of the institute. These training programmes are effectively and monitored in order to do justice to the needy and deserving sections of student community. Well-Experienced teachers are engaged in the training programmes. Results are quite rewarding and are generally quite satisfactory.

##### **Orientation to the Institution:**

The SC/ST students are educated and are well informed about the staff, laboratory facilities and other amenities that are exclusively extended for their welfare. The students obtain the necessary help from various resources of the institute, as they are strongly oriented and attached to it.

##### **Guidance and Counseling**

Free guidance and counseling are extended to the SC/St students in order to instill confidence and self-dignity among them. Many students have reportedly reaped invaluable help from out of such counseling.

##### **Hostel Facilities:**

All the SC/ST students are provided with the accommodation and are given subsidized boarding and other infrastructural facilities.

##### **Remedial Teaching:**

In order to help the SC/ST students to understand the fundamentals of different courses that are offered, the institute has engaged remedial teaching during evening times after college regular timings. This takes place as a routine measure to help them.

### **Self-Learning Packages**

The SC/ST Students are given financial assistance to secure books and other packages for their advancement.

### **Book Bank:**

Each department maintains separate book bank facility especially to take care of the needs of SC/St students .The books with the latest editions are purchased of different titles and are monitored with special care.

### **Grievance redressal**

Any grievances are immediately attended on a time frame for overall satisfaction of functioning of the mechanism meant for their welfare.

### **Improve academic skills and linguistic proficiency:**

The student seminars are held for improving their communication and academic skills. Special encouragement is also provided fore them to participate in seminars and other academic events organized in different sister institutions to enable them to enhance their capabilities.

### **Special Drive for increasing participation of SC/STs**

As mentioned earlier the Institute makes all out efforts to encourage them in participation of academic events and in providing special coaching to help them prepare for competitive exams and grievance redressal

Since the institute offers accommodation within the campus, no special commuting facilities are provided, as there is no special need for such a facility.

### **Establishment of PETCs**

The institute has to work in this direction to promote this activity

### **Promoting employment through specific.**

Though placement cell takes care of the employment avenues to some extent, there is no extra provision for promoting employment through specific programmes.

### **Decreasing drop out rate and increasing retention.**

S.V.U college of Engineering has long history of nearly hundred percent pass rate. A few exceptions never prompted any special attention to be paid in this connection.

### IMPLEMENTATION PLAN FOR TDP

S.No	Description of Activity	Targets in project years			
		1	2	3	4
1	Implement Reservation Policy	*	*	*	*
2	Provide remedial teaching	*	*	*	*
3	Establish PETC	*	*	*	*

\* The activities specified here are being practiced in the college depending upon the guidelines in force from time to time to take care of the welfare of the students in academic training.

#### Implementation and Monitoring of Tribal Development Activities

The institute proposes to establish a cell for monitoring the programmes meant for development of students coming from socially backward sections of society. To do this effectively, the proposals would be sent to different funding agencies to get financial assistance for effective implementation of the objectives of social justice.

Identified Activities	Indicate starting and completion time			
	2004-05	2004-05	2006-07	2007-08
Organization of special coaching for competitive exams		Starting July,05		Completion Dec,07
Guidance and counseling		Starting July,05		Completion Dec,07
Grievances Redressal		Starting July,05		Completion Dec,07
Promotion of Employment		Starting July,05		Completion Dec,07

## UNIT-5

### NETWORKING

#### 5.1 Formal Networking

Providing effective interaction among faculty members between networking institutions  
 Extending technical Know-how the surrounding technical institutes  
 Publication of the information on acquired expertise for the benefit of user institutes  
 Sharing of infrastructural facilities and expertise

- a) **Name of the 1<sup>st</sup> Network Partner:** *Rajeev Gandhi Memorial College of Engineering & Technology, Nandyal.*

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
<b>Joint Externally funded R &amp; D Projects</b>	Starting Jan,05			Completion Dec,07	<b>Joint Externally funded R &amp; D Projects</b>	Starting Jan,05			Completion Dec,07
<b>Joint Consultancy Assignments</b>	Starting Jan,05			Completion Dec,07	<b>Joint Consultancy Assignments</b>	Starting Jan,05			Completion Dec,07
<b>Joint Training Programmes</b>	Starting Jan,05			Completion Dec,07	<b>Joint Training Programmes</b>	Starting Jan,05			Completion Dec,07
<b>Joint Research Guidance at Ph.D. Level</b>	Starting Jan,05			Completion Dec,07	<b>Joint Research Guidance at Ph.D. Level</b>	Starting Jan,05			Completion Dec,07
<b>Sharing of Resources</b>	Starting Jan,05			Completion Dec,07	<b>Sharing of Resources</b>	Starting Jan,05			Completion Dec,07
<b>Joint Conferences /Seminars /Workshops/Symposia</b>	Starting Jan,05			Completion Dec,07	<b>Joint Conferences /Seminars /Workshops/Symposia</b>	Starting Jan,05			Completion Dec,07

\* Areas of support will be decided at the commencement of each year

b) **Name of the 2<sup>nd</sup> Network Partner** : *Bapatla Engineering College, Bapatla*

**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 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
<b>Joint Externally funded R &amp; D Projects</b>	Starting Jan,05			Completion Dec,07	<b>Joint Externally funded R &amp; D Projects</b>	Starting Jan,05			Completion Dec,07
<b>Joint Consultancy Assignments</b>	Starting Jan,05			Completion Dec,07	<b>Joint Consultancy Assignments</b>	Starting Jan,05			Completion Dec,07
<b>Joint Training Programmes</b>	Starting Jan,05			Completion Dec,07	<b>Joint Training Programmes</b>	Starting Jan,05			Completion Dec,07
<b>Joint Research Guidance at Ph.D. Level</b>	Starting Jan,05			Completion Dec,07	<b>Joint Research Guidance at Ph.D. Level</b>	Starting Jan,05			Completion Dec,07
<b>Sharing of Resources</b>	Starting Jan,05			Completion Dec,07	<b>Sharing of Resources</b>	Starting Jan,05			Completion Dec,07
<b>Joint Conferences /Seminars /Workshops/Symposia</b>	Starting Jan,05			Completion Dec,07	<b>Joint Conferences /Seminars /Workshops/Symposia</b>	Starting Jan,05			Completion Dec,07

**\* Areas of support will be decided at the commencement of each year**

c) **Name of the 3<sup>rd</sup> Network Partner :** *JNTU College of Engineering, Anantapur*

**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 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
<b>Joint Externally funded R &amp; D Projects</b>	Starting Jan,05			Completion Dec,07	<b>Joint Externally funded R &amp; D Projects</b>	Starting Jan,05			Completion Dec,07
<b>Joint Consultancy Assignments</b>	Starting Jan,05			Completion Dec,07	<b>Joint Consultancy Assignments</b>	Starting Jan,05			Completion Dec,07
<b>Joint Training Programmes</b>	Starting Jan,05			Completion Dec,07	<b>Joint Training Programmes</b>	Starting Jan,05			Completion Dec,07
<b>Joint Research Guidance at Ph.D. Level</b>	Starting Jan,05			Completion Dec,07	<b>Joint Research Guidance at Ph.D. Level</b>	Starting Jan,05			Completion Dec,07
<b>Sharing of Resources</b>	Starting Jan,05			Completion Dec,07	<b>Sharing of Resources</b>	Starting Jan,05			Completion Dec,07
<b>Joint Conferences /Seminars /Workshops/Symposia</b>	Starting Jan,05			Completion Dec,07	<b>Joint Conferences /Seminars /Workshops/Symposia</b>	Starting Jan,05			Completion Dec,07

\* Areas of support will be decided at the commencement of each year

### Other Proposed Interactions

Activities to be undertaken	Name of the organization with which networked	Indicate starting and completion time			
		2004-05	2005-06	2006-07	2007-08
Invited Lectures	Rajiv Gandhi Institute, Nandyal Bapatla Engineering College, Bapatla	Starting Jan,05			Completion Dec,07
Inter-College Seminar Competitions for Students	JNTU College of Engineering., Anantapur	Starting Jan,05			Completion Dec,07
Exhibitions		Starting Jan,05			Completion Dec,07
Educational Tours		Starting Jan,05			Completion Dec,07
Industrial Tours		Starting Jan,05			Completion Dec,07

**5.2 Non-Formal Networking : NIL**

## UNIT-6

### SERVICES TO COMMUNITY AND ECONOMY

#### Services to Community and Economy

- The institute plans to play effective role in supporting and facilitating the organizing process and providing technical guidance and advice for comprehensive development of a community.
- It intends to support this effort in many ways: by providing leadership and vision and technical assistance in organizational development: by offering meeting space, by offering technical and knowledge based consultation service; by identifying resource persons ; by involving students in knocking on doors to talk to community residents to obtain reliable information and providing viable technical solutions for overall development.
- The institute plans to entrust the job to Centre for Rural Development and Appropriate Technologies (CeRDAT) to coordinate the activities.
- The activities are related to identifying the community needs and providing technical solutions to such problems as developing water resources, conducting training programs in the use of new technologies and schemes of governmental and private agencies engaged in integrated development of community encompassing urban and rural areas. This helps in effective dissemination of the knowledge, which is the need of the hour.

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	2004-05	2006-07	2007-08
Training Programmes for Socially Disadvantaged groups	Starting Jan,05			Completion Dec,07
Training Programmes for unemployed youth	Starting Jan,05			Completion Dec,07

**\* Actual activities will be decided before the commencement of each year in consultation with the prospective beneficiary**

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
Training Programmes	Starting Jan,05			Completion Dec,07

**\* Actual activities will be decided before the commencement of each year in consultation with the prospective beneficiary**

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

Identified Activities	Indicate starting and completion time			
	2004-05	2004-05	2006-07	2007-08
Training Programmes in recent trends in technology	Starting Jan,05			Completion Dec,07
Continuing Education Programmes	Starting Jan,05			Completion Dec,07

## 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 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.	Civil Works*	#	#	#	14.19	---	5.00	5.00	4.19
2.	Equipment	#	#	#	70.40	20.00	20.40	20.00	10.00
3.	Furniture	#	#	#	8.15	2.00	2.15	2.00	2.00
4.	Vehicles	#	#	#	0.00	---	---	---	---
5.	Books and Learning Resources	#	#	#	5.35	1.00	1.85	1.50	1.00
6.	Consultancy Services** & Research Studies	#	#	#	4.10	0.50	1.50	1.50	0.60
7.	Training / Study Tours / Fellowships (Local & Foreign)	#	#	#	20.50	2.50	7.00	7.00	4.00
<b>Sub Total (A)</b>					<b>122.69</b>	<b>26.00</b>	<b>37.90</b>	<b>37.00</b>	<b>21.79</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST ***</b>								
8.	Salaries for Additional Key Faculty and Staff	#	#	#	5.80	0.60	2.00	2.00	1.20
9.	Consumables	#	#	#	2.54	0.54	1.00	0.50	0.50
10.	Operation & Maintenance	#	#	#	3.54	0.54	1.00	1.00	1.00
<b>Sub Total (B)</b>					<b>11.88</b>	<b>1.68</b>	<b>4.00</b>	<b>3.50</b>	<b>2.70</b>
<b>Grand Total (A+B)</b>					<b>134.57</b>	<b>27.68</b>	<b>41.90</b>	<b>40.50</b>	<b>24.49</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

# As indicated at NPIU Expert Committee Meeting held on 15.5.2004 at Noida.

## 7.1.1 Tribal Development Plan

(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.	Equipment	#	#	#	0.40	0.10	0.10	0.10	0.10
2.	Furniture	#	#	#	0.15	0.05	0.05	0.05	0.00
3.	Books and Learning Resources	#	#	#	1.00	0.25	0.25	0.25	0.25
4.	Training/Workshop	#	#	#	0.55	0.05	0.25	0.15	0.10
<b>Sub Total (A)</b>					<b>2.10</b>	<b>0.45</b>	<b>0.65</b>	<b>0.55</b>	<b>0.45</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST</b>								
5.	Salaries for Additional Key Faculty and Staff (only honorarium)	#	#	#	1.00	0.10	0.30	0.30	0.30
6.	Consumables	#	#	#	0.04	0.01	0.01	0.01	0.01
7.	Operation & Maintenance	#	#	#	0.04	0.01	0.01	0.01	0.01
<b>Sub Total (B)</b>					<b>1.08</b>	<b>0.12</b>	<b>0.32</b>	<b>0.32</b>	<b>0.32</b>
<b>Grand Total (A+B)</b>					<b>3.18</b>	<b>0.57</b>	<b>0.97</b>	<b>0.87</b>	<b>0.77</b>

# As indicated at NPIU Expert Committee Meeting held on 15.5.2004 at Noida.

### 7.1.2 Institutional Management Capacity Development

It is proposed to depute Head of the Institution, Deans, Heads of the Departments , Nodal Officers, Chairmen of Academic Bodies and other senior faculty to IITs, IIMs and other reputed institutions in India and abroad to study the management practices related curricula development, delivery system, student and staff evaluation, campus placement, handling of student affairs etc

(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.	Training/Study Tours/Fellowships (Local & Foreign)	#	#	#	7.20	0.20	3.00	3.00	1.00
	<b>Total</b>				<b>7.20</b>	<b>0.20</b>	<b>3.00</b>	<b>3.00</b>	<b>1.00</b>

# As indicated at NPIU Expert Committee Meeting held on 15.5.2004 at Noida.

### 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>								
	Books and Learning Resources	#	#	#	0.15	---	0.05	0.05	0.05
	Consultancy Services & Research Studies	#	#	#	0.60	---	0.20	0.20	0.20
	Training/Study Tours/Fellowships (Local & Foreign)	#	#	#	1.00	0.25	0.25	0.25	0.25
<b>Sub Total (A)</b>					<b>1.75</b>	<b>0.25</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST</b>								
	Consumables	#	#	#	0.25	---	0.10	0.10	0.05
	Operation & Maintenance	#	#	#	0.00	---	---	---	---
<b>Sub Total (B)</b>					<b>0.25</b>	<b>---</b>	<b>0.10</b>	<b>0.10</b>	<b>0.05</b>
<b>Grand Total (A+B)</b>					<b>2.00</b>	<b>0.25</b>	<b>0.60</b>	<b>0.60</b>	<b>0.55</b>

# As indicated at NPIU Expert Committee Meeting held on 15.5.2004 at Noida.

### 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	#	#	#	0.50	---	0.20	0.20	0.10
2.	Training/Study Tours/Fellowships (Local & Foreign)	#	#	#	0.50	---	0.20	0.20	0.10
<b>Sub Total (A)</b>					<b>1.00</b>	<b>---</b>	<b>0.40</b>	<b>0.40</b>	<b>0.20</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST</b>								
3.	Consumables	#	#	#	0.25	---	0.10	0.10	0.05
4.	Operation & Maintenance	#	#	#	0.00	---	---	---	---
<b>Sub Total (B)</b>					<b>0.25</b>	<b>---</b>	<b>0.10</b>	<b>0.10</b>	<b>0.05</b>
<b>Grand Total (A+B)</b>					<b>1.25</b>	<b>---</b>	<b>0.50</b>	<b>0.50</b>	<b>0.25</b>

# As indicated at NPIU Expert Committee Meeting held on 15.5.2004 at Noida.

### 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 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.	Civil Works*	#	#	#	14.19	---	5.00	5.00	4.19
2.	Equipment	#	#	#	70.00	20.00	20.00	20.00	10.00
3.	Furniture	#	#	#	8.00	2.00	2.00	2.00	2.00
4.	Vehicles	#	#	#	0.00	0.00	0.00	0.00	0.00
5.	Books and Learning Resources	#	#	#	4.20	1.00	1.00	1.20	1.00
6.	Consultancy Services** & Research Studies	#	#	#	3.00	0.50	1.00	1.00	0.50
7.	Training/Study Tours/Fellowships (Local & Foreign)	#	#	#	11.25	0.25	4.00	4.00	3.00
<b>Sub Total (A)</b>					<b>110.64</b>	<b>23.75</b>	<b>33.00</b>	<b>33.20</b>	<b>20.69</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST ***</b>								
8.	Salaries for Additional Key Faculty and Staff	#	#	#	4.80	0.60	1.50	1.50	1.20
9.	Consumables	#	#	#	2.00	0.20	0.60	0.60	0.60
10.	Operation & Maintenance	#	#	#	3.50	0.50	1.00	1.00	1.00
<b>Sub Total (B)</b>					<b>10.30</b>	<b>1.30</b>	<b>3.10</b>	<b>3.10</b>	<b>2.80</b>
<b>Grand Total (A+B)</b>					<b>120.94</b>	<b>25.05</b>	<b>36.10</b>	<b>36.30</b>	<b>23.49</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

**# As indicated at NPIU Expert Committee Meeting held on 15.5.2004 at Noida.**

## 7.2 Networking (Financial Requirement)

(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.	Equipment*	#	#	#	1.00	0.25	0.25	0.25	0.25
2.	Training/Workshop	#	#	#	3.53	0.53	1.00	1.00	1.00
<b>Sub Total (A)</b>					<b>4.53</b>	<b>0.78</b>	<b>1.25</b>	<b>1.25</b>	<b>1.25</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST</b>								
3.	Consumables	#	#	#	0.50	0.15	0.15	0.15	0.05
4.	Operation & Maintenance	#	#	#	1.00	0.25	0.25	0.25	0.25
<b>Sub Total (B)</b>					<b>1.50</b>	<b>0.40</b>	<b>0.40</b>	<b>0.40</b>	<b>0.30</b>
<b>Grand Total (A+B)</b>					<b>6.03</b>	<b>1.18</b>	<b>1.65</b>	<b>1.65</b>	<b>1.55</b>

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

**# As indicated at NPIU Expert Committee Meeting held on 15.5.2004 at Noida.**

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

(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.	Training/Workshop	#	#	#	1.00	0.10	0.30	0.30	0.30
<b>Sub Total (A)</b>					<b>1.00</b>	<b>0.10</b>	<b>0.30</b>	<b>0.30</b>	<b>0.30</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST</b>								
2.	Consumables	#	#	#	0.10	0.02	0.03	0.03	0.02
3.	Operation & Maintenance	#	#	#	0.20	0.04	0.06	0.06	0.04
<b>Sub Total (B)</b>					<b>0.30</b>	<b>0.06</b>	<b>0.09</b>	<b>0.09</b>	<b>0.06</b>
<b>Grand Total (A+B)</b>					<b>1.30</b>	<b>0.16</b>	<b>0.39</b>	<b>0.39</b>	<b>0.36</b>

# As indicated at NPIU Expert Committee Meeting held on 15.5.2004 at Noida.

## 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.

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.	Civil Works*	#	#	#	14.19	---	5.00	5.00	4.19
2.	Equipment	#	#	#	71.40	20.00	21.40	20.00	10.00
3.	Furniture	#	#	#	8.15	2.00	2.15	2.00	2.00
4.	Vehicles	#	#	#	0.00	--	--	--	--
5.	Books and Learning Resources	#	#	#	5.35	1.00	1.85	1.50	1.00
6.	Consultancy Services** & Research Studies	#	#	#	4.10	0.50	1.50	1.50	0.60
7.	Training/Study Tours/Fellowships (Local & Foreign)	#	#	#	25.03	3.03	8.00	8.00	6.00
<b>Sub Total (A)</b>					<b>128.22</b>	<b>26.53</b>	<b>39.90</b>	<b>38.00</b>	<b>23.79</b>
<b>(B)</b>	<b>INCREMENTAL OPERATING COST ***</b>								
8.	Salaries for Additional Key Faculty and Staff	#	#	#	5.80	0.60	2.00	2.00	1.20
9.	Consumables	#	#	#	3.14	0.54	1.00	1.00	0.60
10.	Operation & Maintenance	#	#	#	4.74	0.74	1.50	1.50	1.00
<b>Sub Total (B)</b>					<b>13.68</b>	<b>1.88</b>	<b>4.50</b>	<b>4.50</b>	<b>2.80</b>
<b>Grand Total (A+B)</b>					<b>141.90</b>	<b>28.41</b>	<b>44.40</b>	<b>42.50</b>	<b>26.59</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

**# As indicated at NPIU Expert Committee Meeting held on 15.5.2004 at Noida.**

## 7.5 Component Wise Financial Requirement

(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.	Promotion of Academic Excellence (Total of 7.1)	#	#	#	134.57	26.07	41.17	41.27	26.06
2.	Networking (Total of 7.2)	#	#	#	6.03	1.18	1.65	1.65	1.55
3.	Services to Community & Economy (Total of 7.3)	#	#	#	1.30	0.16	0.39	0.39	0.36
<b>Total</b>					<b>141.90</b>	<b>27.41</b>	<b>43.21</b>	<b>43.31</b>	<b>21.97</b>

# As indicated at NPIU Expert Committee Meeting held on 15.5.2004 at Noida.

## **UNIT-8**

### **Programme Implementation and Monitoring Mechanisms**

Please indicate in detail the mechanism of implementing various elements of the project and monitoring progress periodically. Please also indicate names of the members of the groups.

#### **8.1 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
- Promoting research and consultancy – research and consultancy cell
- Faculty and staff development
  - Procurement of civil works
  - Procurement of goods
- Networking
- Services to Community & Economy
- Industry Institute Interaction
- Tribal development activities
- Implementation of reforms
- Ensuring improvements in administrative and financial practices
- Ensuring Auditing quality of Education, Training and Services
- Monitoring implementation of the Programme

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

- Conducting Auditing quality of Education, Training and Services
- Conducting Audit of administrative, managerial and financial practices
- Monitoring implementation of reforms
- Monitoring compliance with MOU
- Monitoring implementation of Tribal development activities
- Preparing quarterly reports on progress in project and reforms implementation, internal audits and compliance with conditions of MOU
- Submitting quarterly reports to their respective BOG and SPFU (in case of centrally funded institutions to BTE in DSHE)
- Ensuring achievement of targets set for Output Indicators

## **8.2 LIST OF ACTIVITIES ENVISAGED**

1. Establishment of Media Centre
2. Development of Centres of Excellence
3. Modernizing the laboratories facilities
4. Campus wide Networking
5. Digital Library
6. Strengthening Doctoral Programs by offering scholarships
7. Improving Industry-Institute Interaction
8. Conduct of Students Seminars
9. Organization of National Conferences / Symposia / Workshops
10. Promotion of Tribal Development
11. Extension activities for socio-economic advancement
12. Establishment of consultancy cell for rendering technical solutions and Resource generation.

## **8.3 FACULTY GROUP FOR OVERALL IMPLEMENTATION AND MONITORING AT THE INSTITUTIONAL LEVEL**

- |    |                          |                |
|----|--------------------------|----------------|
| 1. | Prof. N.C. Eswara Reddy  | Principal      |
| 2. | Prof. C. Kesava Rao      | Vice-Principal |
| 3. | Prof. D.C. Raju          |                |
| 4. | Prof. K.Ravindranath     |                |
| 5. | Prof. M.M. Naidu         |                |
| 6. | Prof. A.V. Narasimha Rao |                |
| 7. | Prof. A.RamaKrishna Rao  |                |
| 8. | Prof. M.Sudhakar Reddy   |                |
| 9. | Prof. M.Madhu Murthy     |                |

## **8.4 NAME OF ACTIVITIES & CORRESPONDING FACULTY GROUPS**

### **CENTRALIZED LIBRARY:**

1. Dr. R.V.S. Satyanarayana
2. Sri G.V.Marutheeswar
3. Sri D.V.Satyanarayana Murthy
4. Sri Ch.D.V. Subba Rao
5. Sri G. Bhanodaya Reddy
6. Sri S. Raja Mohan

### **CENTRALIZED COMPUTING FACILITY & CAMPUS WIDE NETWORKING :**

1. Prof. M.M. Naidu
2. Prof. K.V. Madhu Murthy
3. Sri A.Ramamohan Reddy
4. Sri ChV.Subba Rao

## **CAMPUS WIDE NETWORK FACILITY**

1. Prof. K.V. Madhu Murthy
2. Prof. M.M. Naidu
3. Prof. G.Padmanabhan
4. Dr. K.Nagendra Prasad
5. Sri S.Varadarajan

## **MEDIA CENTRE INFRASTRUCTURE FOR SEMINAR/ CONFERENCE:**

1. Prof. K. Ravindranath
2. Prof. M.M. Naidu

## **PROCUREMENT OF EQUIPMENT**

### ***Dept. of Chemical Engineering***

1. Prof. D.Chengal Raju
2. Prof. C.Kesava Rao
3. Prof. G.Prabhakar
4. Sri R.Ramakoteswara Rao

### ***Department of Civil Engineering***

1. Prof. A.V.Narasimha Rao
2. Prof. P.Mallikarjuna
3. Sri D.V.Satyanarayana Murthy
4. Dr. G.N.Pradip Kumar
5. Dr. K.Nagendra Prasad
6. Dr. K.Mallikarjuna Rao
7. Dr. I.V.Ramana Reddy
8. Dr. M.Srimurali

### ***Department of Computer Science and Engineering***

1. Prof. M.M. Naidu
2. Prof. K.V. Madhu Murthy
3. Sri Ch. D.V. Subba Rao
4. Sri A.Ramamohan Reddy

### ***Department of Electrical and Electronics Engineering***

#### **i) Electronics and Communication Engineering:**

1. Prof. T.Venkateswarlu
2. Dr. S.Narayana Reddy
3. Dr. R.V.S. Satyanarayana
4. Smt. T.Ramasree
5. Sri S.Varadarajan

## **ii) Electrical and Electronics Engineering**

- |    |                         |    |                       |
|----|-------------------------|----|-----------------------|
| 1. | Sri A.S.N. Murthy       | 4. | Sri G.V. Marutheeswar |
| 2. | Dr. P.Sangameswara Raju | 5. | Smt. A.Lakshmi Devi   |
| 3. | Sri M.Damodara Reddy    |    |                       |

### ***Department of Mechanical Engineering***

1. Prof. A.Ramakrishna Rao
2. Prof. G.Padmanabhan
3. Prof. C.Eswara Reddy
4. Sri G.Bhanodaya Reddy

### **PROCUREMENT OF FURNITURE**

1. Prof. M. Sudhakara Reddy
2. Prof. G.Padmanabhan
3. Dr. K.Mallikarjuna Rao
4. Dr. S. Narayana Reddy

### **INTERNATIONAL CONFERENCES INCLUDING UNASSIGNED GRANT**

- |    |                         |           |
|----|-------------------------|-----------|
| 1. | Prof. N.C.Eswara Reddy  | Principal |
| 2. | Prof. D.C.Raju          |           |
| 3. | Prof. A.V.Narasimha Rao |           |
| 4. | Prof. A.Ramakrishna Rao |           |
| 5. | Prof. M.Sudhakar Reddy  |           |
| 6. | Prof.K.V.Madhu Murthy   |           |

### **TRAINING PROGRAMMES**

- |    |                         |                |
|----|-------------------------|----------------|
| 1. | Prof. N.C.Eswara Reddy  | Principal      |
| 2. | Prof. C. Kesava Rao     | Vice-Principal |
| 3. | Prof. D.C.Raju          |                |
| 4. | Prof. A.V.Narasimha Rao |                |
| 5. | Prof. A.Ramakrishna Rao |                |
| 6. | Prof. M.Sudhakar Reddy  |                |
| 7. | Prof.K.V.Madhu Murthy   |                |

### **CONSUMABLES, OPERATION AND MAINTENANCE (8%)**

- |    |                         |                |
|----|-------------------------|----------------|
| 1. | Prof. N.C.Eswara Reddy  | Principal      |
| 2. | Prof. C. Kesava Rao     | Vice-Principal |
| 3. | Prof. A.V.Narasimha Rao |                |

### **CIVIL WORKS**

1. Prof. A.V.Narasimha Rao
2. Dr. I.V.Ramana Reddy
3. Prof. P.Mallikarjuna
4. Sri S. Ravi Sankar

## **NETWORKING FOR QUANTITY ENHANCEMENT RESOURCE SHARING**

1. Prof. M.M.Naidu
2. Prof. K.V.Madhu Murthy

## **ENHANCING QUALITY & RENDER OF SERVICES TO COMMUNITY AND ECONOMY**

1. Sri D.V.S.N. Murthy
2. Dr. G.N.Pradeep Kumar
3. Dr. K.Nagendra Prasad

## **INSTITUTIONAL CONSULTANCY**

1. Prof. K.Ravindranath
2. Proc. C.Eswara Reddy
3. Prof. C.Kesava Rao
4. Prof. K.V. Madhu Murthy
5. Prof. J. Subramanyam
6. Dr. R.V.Satyanarayana
7. Dr. K.Nagendra Prasad

## **SERVICES TO COMMUNITY AND ECONOMY**

1. Prof. M.M. Naidu
2. Sri D.V.S.N. Murthy
3. Dr. G.N.Pradeep Kumar
4. Dr. K.Nagendra Prasad
5. Sri R.Ramakoteswara Rao

## **INSTITUTION MANAGEMENT CAPACITY**

- |                            |                |
|----------------------------|----------------|
| 1. Prof. N.C.Eswara Reddy  | Principal      |
| 2. Prof. C.Kesava Rao      | Vice-Principal |
| 3. Prof. K.Ravindranadh    |                |
| 4. Prof. M.M.Naidu         |                |
| 5. Prof. A.V.Narasimha Rao |                |
| 6. Prof. A.Ramakrishna Rao |                |
| 7. Prof. M.Sudhakar Reddy  |                |
| 8. Prof.K.V.Madhu Murthy   |                |
| 9. Prof. J. Subramanyam    |                |

## **IMPLEMENTATION OF TRIBAL DEVELOPMENT**

1. Prof. A. Ramakrishna Rao
2. Smt. T. Rama Sree
3. Sri A.Ramakoteswara Rao
4. Sri D.V.S.N. Murthy
5. Dr. G.N.Pradeep Kumar
6. Smt. A. Lakshmi Devi