

Annexure 11

DETAILED PROJECT REPORT (DPR)

FOR INTRODUCTION OF ADDITIONAL COURSES/ AND INCREASE IN INTAKE IN EXISTING INSTITUTION FOR THE ACADEMIC YEAR 2016-2017

C O N T E N T S

Sr. No		Details
11.1	a	PREAMBLE
A		This Chapter is expected to cover the genesis of the proposal with respect to the background of the technical education and industry scenario of the State where the proposed Institution is being located and the credentials of the Consultants, if any, engaged by the promoters for preparation of the DPR
	1.1	Introduction
	1.2	Background of the Consultants
	1.3	Technical Education & Industry Scenario
11.2		THE PROMOTING BODY
		This Chapter is expected to cover the status of the Promoting Body, its legal standing with respect to registration formalities, nature of the Body viz. Charitable Trust, Family Trust, Comparative-operative Society, Public Society etc., its activities since its inception with specific emphasis on its Social, Charitable, Educational activities along with a list of major activities undertaken to date, its mission and vision
	a	Introduction to its Genesis including its Registration Status
	b	Details of its Promoters including their Background
	c	Activities of the Promoting Body including a listing of major educational.
	d	Promotion activities undertaken by it in the past
	e	Mission of the Promoting Body
	f	Vision of the Promoting Body
11.3		OBJECTIVES AND SCOPE OF THE PROPOSED INSTITUTION
		This Chapter is expected to cover the goal of the proposed Institution, Scope and Justification of its establishment in the light of the prevailing technical education and industry scenario in the State, Availability of students for admission, particularly the number of students passing the qualifying examination viz+2Science in First Class and the number of seats already available in the particular course (B.E. / B. Pharm / B. Arch. / BHMCT / MBA / MCA etc.) in the State, and the genesis of the proposal with respect to the technical manpower requirement of the State, if available
	a	Objectives of the Institution
	b	General and Technical Education Scenario of the State
	c	Status at Entry Level
	d	Status of Technical Level manpower
	e	Industrial Scenario of the State
	f	Scope of the College vis-à-vis the Industrial Scenario and Educational Facilities already available in the State.
11.4		ACADEMIC PROGRAMMES
		This Chapter is expected to cover the basic Academic Philosophy of the Institution and to list the identified Programs, targets, and various facilities

	a	Basic Academic Philosophy of the Institution
	b	Types of Programs
	c	Identified Programs
	d	Phase-wise Introduction of Programs & Intake
	e	Target Date for Start of Academic Programs
	f	Central Computing facility
	g	Central library
	h	Central Workshop
	i	Central Instrumentation Facility
	j	Affiliating Body
	k	Scholarships
11.5		In case of PGDM programs, comprehensive details in respect of admission procedure, Program structure, curriculum outline and contents, evaluation system etc. should necessarily be submitted. PGDM Programs shall be regulated as per Appendix 9
11.6		SALIENT FEATURES OF ACADEMIC DIVISIONS This Chapter is expected to give phase-wise details of the Academic Programs / Divisions that the Proposed Institution desires to setup in consonance with its Academic Philosophy including the Objectives, Areas of Focus, Detailed Analysis of Requirements of Faculty, Building Space, Equipment, etc. for each Academic Division.
	a	Classification of Academic Divisions i.e. Departments, Centers, Schools, Central Academic Facilities.
	b	Details of each Academic Department / Centre, like: <ul style="list-style-type: none"> • Academic Objectives • Areas of Focus • Academic Program • Faculty Requirement & Phase-wise Recruitment • Requirement of Laboratories, Space and Equipment (cost) • Requirement of other Space like Class Rooms, Faculty Rooms, Departmental Office
11.7		QUALITY AND HUMAN RESOURCE DEVELOPMENT This Chapter is expected to cover the Human Resource Developmental aspects of the proposed Institution including the Policies of the management to promote excellence among Faculty & Staff, Strategies to attract and retain bright faculty and methodologies towards quality management and fostering of academic excellence.
	a	Academic Values
	b	Recruitment, Strategies for Attracting and Retention of Faculty Personnel for Excellence, Promotional Avenues, Career Ladder
	c	Policies for Teaching and Non-Teaching Staff Development
	d	Permanent and Contract Services for Teaching, Non Teaching and other support Personnel
	e	Total Quality Management
	f	Overall Teaching and Non – teaching staff requirements
11.8		LINKAGES IN TECHNICAL EDUCATION This Chapter is expected to elaborate the external linkages envisaged along with the strategies for promotion of R&D, Partnership with Industry, etc. for

		the wholesome growth of students as well as for contribution of the Institutions of Society at large
	a	Introduction
	b	Linkages with Industry
	c	Linkages with Community
	d	Linkages with other Technical Institutions in the region
	e	Linkages with institutions of excellence such as the IITs and IISc., Bangalore
	f	Linkages Abroad
		Linkages with R & D Laboratories
11.9		GOVERNANCE, ACADEMIC and ADMINISTRATIVE MANAGEMENT This Chapter is expected to cover the basic Philosophy of Governance and Administrative Management including the structure of its Board of Governors (BOG), the organization chart for operational management along with responsibilities vested at various levels of Administrative hierarchy. It is expected that a well thought out method of Institutional Governance and Administration will be the key to its growth and success.
	a	Philosophy of Governance
	b	Board of Governors
	c	Organizational structure & Chart for day-to-day Operations & Management
	d	Role and Responsibilities of Key Senior Positions
	e	Methods / Style of Administration / Management
11.10		CONCEPTUAL MASTER PLAN FOR MAIN CAMPUS DEVELOPMENT This Chapter is expected to cover the details of the Master Plan for Campus Development starting from the selection of site to the proposed land use pattern and the Phase-wise construction of various facilities / utilities to the level of landscaping. Institutional aspects of development is expected to be taken up in consonance with the Master plan keeping in view various aspects of convenience, safety and utility of the facilities
	a	The Site
	b	Proposed Land Use Pattern
	c	Design Concept
	d	Buildings and Facilities in the Campus
	e	External Services
	f	Construction Systems and Materials
	g	Landscape Proposal
11.11		REQUIREMENT OF STAFF, SPACE & EQUIPMENT AND THEIR COST This Chapter is expected to make a consolidated estimate of Phase-wise requirements of the staff, building, equipment and their cost, along with strategies for the mobilization of funds required
	a	Introduction
	b	Faculty Requirements
	c	Non-Teaching Staff Requirements
	d	Building Requirements : Area and Costs
	e	Estimated cost of Equipment
	f	Phase-wise Financial Requirements

	d	Strategies for Financial Mobilization
11.12		ACTION PLAN FOR IMPLEMENTATION This Chapter is expected to cover the Activity Chart from the conceptual stage to final implementation, indicating a time-activity Chart for various activities, its constraints and implementation Strategy including financial out lay
	a	Activity Chart
	b	Constraints
	c	Financial Outlay
	d	Strategy for Implementation
11.13		EXECUTIVE SUMMARY OF THE DETAILED PROEJCT REPORT This Chapter is expected to present a Summary of the DPR as per the following format for ready reference
	a	Details about the Promoting Body
	b	Name and Address of the Promoting Body
	c	Date of Registration / Establishment of the Promoting Body
	d	Nature of the Promoting Body:
	e	Activities of the Promoting Body since inception
	f	Constitution of the Promoting Body

11.14		FACULTY DATA			
Name	Academic Qualificati on	Nature of Association with the promoting body	Experience in Academic Institutions (in years)		
	Technical	Non Technical	Promotional	Management	Organizational

11.15		PROPOSED INSTITUTION
	a	Details about the Proposed Institution
	b	Development Plan for the Proposed Institution
	c	Vision of the Promoting Body
	d	Mission of the Promoting Body
11.16	a	Give a bar chart indicating mobilization of funds for the proposed project at the time of establishment & for next 10 years at intervals of five years
	b	Give a bar chart indicating the recruitment of faculty (separately for Lecturer, Assistant Professor, Professor) for the proposed project at the time of establishment & for next 10 years at intervals of five years
	c	Give a bar chart indicating creation of built up area (separately for Instructional, Administrative and Amenities) for the proposed project at the time of establishment & for next 10 years at intervals of five years.
	d	Give a bar chart indicating investment on equipment and machinery for the proposed project at the time of establishment & for next 10 years at intervals of five years.
11.17		Total Project cost (at the time of establishment and next five years)

Year	Course / Intake Proposed (I)	Built up area / investment to be made (Sqmt / Rs.) (II)	Investment on Furniture & Accessories (Rs. In Lakhs) (III)	Investment on Equipment / Machinery (Rs. In Lakhs) (IV)	Projected expenditure on Salary of Staff per annum (Rs. In Lakhs) (V)	Investment on Library (Rs. In Lakhs) (VI)	Total Project Cost (I to VI) and Preoperative Exp.) (Rs. In Lakhs)

11.18		Details for mobilization / source of funds (capital & recurring) (At the time of establishment and next five years) (Rs. In Lacs)

Year	From Applicant	Donations	Grants from Government	Fees	Loan	Others

11.19		Recruitment of faculty (At the time of establishment and next five years)
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	Recruitment			
Year	Professor	Asst. Professor	Lecturer	Total

11.20		Proposed structure of governing body
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Sr.	Trust / Society Representative	Academic Background		Industry Rep.	Others
		Technical	Non Technical		

11.22		Proposed structure of governing body
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11.23		Industry Linkages (at the time of establishment, and next five years)

Appendix 11.1

PREAMBLE

1.1 Introduction

In India Maharashtra is one of leading state in field of Industrial infrastructure and production. The Mumbai which is capital of the state is generating revenue at the rate of 25% of whole country. After the Mumbai other metro cities are becoming hub for growth of various sort of industries. Aurangabad is one of to be such categorized cities in the state. It has been identified as Auto hub, IT hub and it is planned to have power grid Power-station and also non-conventional power generation station. Aurangabad is also developing in the civil constructions.

1.2 Background of the Consultants

The efficient team of the P. E. S. College of Engineering have prepared this project report. No consultant has been employed for this report.

1.3 Technical Education & Industry Scenario

State is in need of huge technical man power as a human resources. According to this scenario educational institutes are releasing more human resources, well trained in the filled of technical education.

Appendix 11.2

THE PROMOTING BODY

a **Introduction to its Genesis including its Registration Status**

Bharat Ratna Dr. B. R. Ambedkar has perceived the acute need to cater education in India, particularly in the backward region of Maharashtra state so that poor and down trodden could be uplifted by the mean of education. By such a divine motto Bharat Ratna Dr. B. R. Ambedkar has registered this educational society, namely "People's Education Society (Bombay)" on 8th July 1945. Its registration number is F-303.

b **Details of its Promoters including their Background**

This institute belongs to the non political education society. Promoters of this institute are from the high cadre profile. Founder of this society is Bharatna Dr. B R Ambedkar who was the chairman of draft constitution committee of India. Backgrounds of the other promoters are they hold highest rank such as (commissioner) and renowned personalities in various field. This education society is meant for running non profit making educational institutes to impart education for poor in true spirit. Details of the promoters are given in the separate chart.

c **Activities of the Promoting Body including a listing of major educational.**

The People's Education Society Mumbai is purely educational society running different educational Institute.

d **Promotion activities undertaken by it in the past**

The People's Education Society Mumbai has established total 31 school / college / hostels / Vihar all over India. List of the Institutions of People's education society at Bombay, New Bombay, Aurangabad, Mahad, Pandharpur, Dapoli, Nanded and Bangalore is appended below :

COLLEGES

BOMBAY

1	Siddharth College of Arts, Science & Commerce, Bombay	: 1946
2	Siddharth College of Commerce & Economics, Bombay	: 1953
3	Siddharth College of Law, Bombay	: 1956
4	Dr. Ambedkar College of Commerce & Economics, Wadala, Bombay	: 1971
5	Dr. Ambedkar College of Law, Wadala, Bombay	: 1978

AURANGABAD

- | | | |
|----|----------------------------------------------------|--------|
| 6. | Milind College of Arts, Aurangabad | : 1950 |
| 7 | Milind College of Science, Aurangabad | : 1950 |
| 8 | Dr. Babasaheb Ambedkar College of Arts & Commerce | : 1963 |
| 9 | Dr. Ambedkar College of Law, Aurangabad | : 1968 |
| 10 | P. E. S. College of Physical Education, Aurangabad | : 1984 |
| 11 | P. E. S. College of Engineering, Aurangabad | : 1994 |

MAHAD

- | | | |
|----|--------------------------------------------------------------------------------------|--------|
| 12 | Dr. Babasaheb Ambedkar College of Arts, Science and Commerce, Mahad,
Dist. Raigad | : 1961 |
|----|--------------------------------------------------------------------------------------|--------|

POONA

- | | | |
|----|---------------------------------------------------------|--------|
| 13 | Dr. Ambedkar College of Arts & Commerce, Yeravada, Pune | : 1985 |
|----|---------------------------------------------------------|--------|

BOUDHAGAYA (BIHAR)

- | | | |
|----|------------------------------------------------------|--------|
| 14 | Dr. Ambedkar College of Education, Bouddhgaya, Bihar | : 2008 |
|----|------------------------------------------------------|--------|

DIPLOMA INSTITUTES

- | | | |
|----|-----------------------------------------------------------|--------|
| 15 | Siddhartha College of Mass Communication, Bombay | : 1965 |
| 16 | Siddhartha Institute of Industry & Administration, Bombay | : 1967 |
| 17 | P. E. S. Polytechnic, Nagsenvana, Aurangabad | : 2010 |

HIGH SCHOOLS

- | | | |
|----|------------------------------------------------------------------|--------|
| 18 | Siddhartha Night High School, Bombay | : 1947 |
| 19 | Milind Multipurpose High School, Aurangabad | : 1955 |
| 20 | Milind Multipurpose Pre-primary School Aurangabad | |
| 21 | Matoshri Ramabai Ambedkar High School, Aurangabad | : 1965 |
| 22 | Gautam Vidyalaya, Pandharpur, Dist. Sholapur | : 1974 |
| 23 | People's Education Society's School, New Bombay | : 1978 |
| 24 | Nagsen High School, Nanded | : 1981 |
| 25 | People's Education Society's English Medium K. G. School, Romhay | : 1983 |
| 26 | People's Education Society's Nagasen Nursery School, Bangalore | : 1984 |

HOSTELS

- | | | |
|----|------------------------------------------------------------------|--------|
| 27 | Sant Gadge Maharaj Chokhmela Vidyarthi Vastigriha, Pandharpur | : 1949 |
| 28 | Matoshri Ramabai Ambedkar Vidyarthi Ashram, Dapoli | : 1962 |
| 29 | Subhedark Sawadkar Vidyarthi Ashram, Mahad Dist. Raigad | : 1962 |
| 30 | Siddharth Vihar Hostel, Wadala, Bombay | : 1964 |
| 31 | The Samrat Ashok Institute for Vyayam Sports & Games, Aurangabad | : 1986 |

e Mission of the Promoting Body

- a) To provide facilities for education, secondary, collegiate, technical, physical and the like;
- b) To start, establish, conduct, and/or aid educational and Buddhist religious associations such as schools, colleges, vihars, hostels, libraries, playgrounds, Buddhist Institutes etc., at suitable places in the State of Maharashtra as well as any other parts of India;
- c) To provide facilities for education of the poor and the Buddhists.
- d) To create and foster general interest in education among the Scheduled Castes and the Buddhists who are converted from amongst the Scheduled Castes and in particular to give them special facilities, scholarships and free-ships for higher education;
- e) To promote science, Buddhist and other literature and fine arts and to impart useful knowledge in comparative studies of religion;
- f) To purchase, take on lease or otherwise acquire property for the Society and to invest and deal with the moneys of the Society in such manner as may from time to time be determined;
- g) To construct, maintain, rebuild, repair, alter, replace or reinstate houses, vihars, buildings, or works for the purpose of the Society;
- h) To sell, dispose of, improve, manage, develop, exchange lease, mortgage of otherwise alienate or deal with all or any property of the Society;
- i) To co-operate, or affiliate the Society or any institution or institutions run by or belonging to the Society with a view to securing further advancement of the aims and objects of the Society especially of Buddhists;
- j) To raise money with or without security for carrying out any of the purposes, aims and objects of the Society;
- k) To procure the Society to be registered or recognized in any State in India;
- l) To do all other lawful things and acts as are incidental or conducive to the attainment of any of the aforesaid aims and objects.

f Vision of the Promoting Body

The People's Education Society's objective is not merely to give education but to give education in such a manner as to promote intellectual, moral and social democracy. This is what modern India needs and this is what all well wishers of India must promote.

Appendix 11.3

OBJECTIVES AND SCOPE OF THE PROPOSED PROGRAMME

a Objectives of the Institution

Vision : To create a sound Technical manpower with global competitiveness, morality and social sense.

Mission: The P.E.S. College of Engineering is committed to create Intellectual Engineers having updated professional competencies to work in various domains.

b General and Technical Education Scenario of the State:

Being the Industrial culture cultivated in the state since beginning particularly in the metropolis cities such as Mumbai, Pune etc., there is consistent requirement of human resources in the field of Engineering and Technology.

c Status at Entry Level

Director of Technical Education adopted the policies to selection of students for college admission. There are quite enough students available of 12th standard, which have passed the examination in first class and merit. Institute is successful to fill up the all intake capacities of students in all sanctioned disciplines. In average institute registered around 400 students for 60 seats, filled under the management quota. It has revealed that many students prefer to choose this college for seeking admission, but they could not be accommodated in the existing intake capacity of institute i.e. UG – 450 & PG - 54 students.

d Status of Technical Level manpower

HRD has recently carried out the survey and revealed that manpower of technical level is to be boosted up and there is need to mould and sale out more manpower well equipped technically.

e Industrial Scenario of the State

In the era of competition, there are industries growing steadily and need sound technical human resources to carry out their activities. Also they need skilled and analytical manpower for research and development activities.

f Scope of the College vis-à-vis the Industrial Scenario and Educational Facilities already available in the State and in this institute.

By establishing the linkage in between college and local industries, we arrange lectures and visits for exchange of knowledge and other concepts relating to the industrial high technique productivity. State of Maharashtra provides ample facility for educational advancement, it provides various scholarships to SC & OBC students including scholarship for hostellers (entrails) students. This institute provides all facilities i.e. Hostel, Net, Library , Sports etc. The students of this institute have worked on various problems in advanced areas. They have participated in national competitions and have won various prizes in. Technical Paper Writing, Projects,. Program Writing.. etc

The college, being located nearby the industrial area, has good scope with industrial linkage, to contribute for development of industrial scenario by providing sound technocrats and entrepreneurs.

Appendix 11.4

ACADEMIC PROGRAMS

a Basic Academic Philosophy of the Institution

To impart an education to cater a needs of industries as well as to cult trends by motivation for entrepreneurship development.

b Types of Programs

Presently institute is running only Four Year Engineering Degree programs approved by AICTE. We have started diploma institute separately. We have now planned to start P.G. Courses in Structural Engineering which is already approved and planned to increase in intake from 60 to 120 in Mechanical and Electrical (Electronics & Power) Engineering programs

c Identified Programs

The present courses run by institute are Civil Engineering, Electrical Engineering, Electronics Engineering, Computer Science & Engineering, Information Technology and Mechanical Engineering.

Further additions we have proposed are to start Masters in Structural Engineering already approved in 2011-12 and increase in intake of Mechanical Engineering and Electrical (Electronics & Power) Engineering from 60 to 90.

d Phase-wise Introduction of Programs & Intake

In the academic year 1994-95 at the time of introduction of institute, there were four programs introduced with the intake capacity as Mechanical Engineering – 60 seats, Electrical Engineering – 60 seats, Electronics Engineering – 30 seats and Computer Science & Engineering – 30 seats. During the academic year 1997-98, 30 seats in Computer Science & Engineering and in academic year 1998-99, 30 seats in Electronics Engineering have been enhanced. In the year 1999-2000 program of IT was introduced with intake capacity of 60 students of in the year 2009-10 program of Civil Engineering was introduced with intake capacity of 60 students and increase in intake of Computer Science & Engineering from 60 to 90. At present the total intake capacity of the institute is 390.

e Target Date for Start of Academic Programs

Target date for start of new programs is 15th July 2012, in the academic year 2012-2013, Increase in intake capacity of same of the existing programs, Electrical Electronics and Power Engineering by 60 to 120 and in Mechanical Engineering by 60 to 120 is proposed.

The post graduate courses in Civil structure has been sanctioned and will soon be started.

f Central Computing facility

Institute has a separate set up for the central computing facility which runs under Head of departments of Knowledge Centre. It is also assisted by the Computer Science & Engineering program and IT program. This centre also undertakes various software development programs like CISCO networking, IBM certification, Cocube training, etc.

g Central library

Founder of this P.E. Society always had foremost – vision for developing outstanding libraries in all institutions of the P. E. Society. The library of this institute is developed in a beautiful complex and developed in al side. Sufficient books are made available in library. Internet facility, reading room for day and night are also made available in the library.

h Central Workshop

College has a central workshop in a RCC & shed complex in a systematic way. The workshop has various sections – Machine shop, Smithy Section, Foundry Section, Welding & Sheet metal section, Carpentry & patter making and fitting section. The work shop is equipped with state art machinery. The advance processes like MIG welding, profile cutting, spot welding is thought to the students. The workshop is also equipped with separate generator backup. The Instructor staff is well trained and has more than 16 yrs experience. Many projects are undertaken by the workshop. It has a separate production section which helps students to have as practical out look.

i Central Instrumentation Facility

Language of communication skill laboratory , Gymnasium facility, Sports complex including swimming facilities are available

j Affiliating Body

Institute is affiliated with the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and one of managing committee has also been constituted in accordance with the Maharashtra University act 1994.

In this academic year college has applied to affiliate with the Dr. Babasaheb Ambedkar Technology University, Lonere

k Scholarships

Government of India (GOI) scholarship for SC/ST students and other scholarship for NT/VJNT and OBC students are being awarded by the state Govt. of Maharashtra. Similarly, the institute has proposed to give scholarship to 40 students from the academic year 2007-2008.

Appendix 11.5

In case of PGDM Programs, comprehensive details in respect of admission procedure, Program structure, curriculum outline and contents, evaluation system etc. should necessarily be submitted. PGDM Programs shall be regulated as per Appendix 9.

Appendix 11.6

SALIENT FEATURES OF ACADEMIC DIVISIONS

a Classification of Academic Divisions i.e. Departments, Centers, Schools, Central Academic Facilities.

While in the first year engineering, divisions are made in the capacities of 60 students being the common syllabus in the introductory engineering extra year. In this way there shall be two additions after increase in intake of the existing Mechanical Engineering and Electrical Engineering courses. After that there are the programs wise imparting the syllabus. Central library facility is available. Every branch has been divided in separate departments.

b Details of each Academic Department / Centre, like:

- Academic Objectives

Since its inception in 1994, P. E. S. College of Engineering has developed into an organization known for its ability to support the learning process for its students. Over these years our qualified instructors, state of the Art infrastructure and technological facilities have been consistently updated and serving satisfactorily to the needs of the organization.

- Areas of Focus

In this contemporary world where change is inevitable and technology is the major parameter riding this change, the Engineer of today needs not only a sound base of theoretical inputs but also the ability to adjust and adapt this knowledge according to the surrounding environment. What is critical is not how much one knows but ability to put it into action, which is an integral part of our Pedagogy.

Growth in Indian economy has posed great opportunities for growth of Industry. These opportunities have put forward new challenges to keep up pace with the high growth rate, which requires Engineers who are employable in current scenario. Thus we genuinely believe in increasing the employability of our students through industry institute collaboration and other related ventures.

- Academic Program

- UG Level

- a) Mechanical Engg – 120 b) Electrical (Electronics & Power) Engg – 120
 - c) Electronics Telecommunication Engg – 60 d) Computer Sci. & Engg – 90
 - e) Civil Engg. – 60

PG Level

- a) Civil Structural Engg – 18 b) Electrical Power System – 18
c) Computer Sci. & Engg – 18

- **Faculty Requirement & Phase-wise Recruitment**

faculties are already fulfillment.

- **Requirement of Laboratories, Space and Equipment (cost)**

Laboratories space and Equipments are already available with the institute.

- **Requirement of other Space like Class Rooms, Faculty Rooms, Departmental Office**

The institution has got a land of 22.5 acres. The area required is already available with the institute.

Appendix 11.7

QUALITY AND HUMAN RESOURCE DEVELOPMENT

a Academic Values

To impart proper education all teaching aids were made available and syllabus taught enthusiastically. Lacunas of skills etc are taught in extra hours. Excellent academic environment is created and maintained on the campus.

b Recruitment, Strategies for Attracting and Retention of Faculty Personnel for excellence, Promotional Avenues, Career Ladder

This institute is one of the prestigious institute of P. E. Society (Mumbai). All facilities such as implementation of pay scale as per Govt. directives, time to time disbursement of DA etc are done. Staff members are sent to attend seminars short term courses, to pursue higher education even abroad by granting study leave. Internal promotion as per the UGC/AICTE rules is given to the lecturer for senior lectures.

c Policies for Teaching and Non-teaching Staff Development

Promotions are given to the eligible staff according to staff structural norms. Course like computer awareness and Communication Skill are imparted to non teaching staff also.

d Permanent and Contract Services for Teaching, Non-teaching and other support Personnel

As per the state Govt. Policies the contract services are being procured out for teaching faculty

e Total Quality Management

Total Quality Management is a systematic approach to education, management and operations designed to focus and co-ordinate the efforts of all employees in an organization to perform the activities for the benefit of students and society. It is a Socio-technical process towards doing the right things. First time and all the times with economical viability considered at each stage of each process. For maintaining the total quality in the organization, the institute has been awarded an ISO-9001-2000 by UKAS

f Overall Teaching and Non-teaching Staff Requirements

Year wise overall teaching and non teaching staff required is (a) In Academic Year 2012-13 – 010 (b) In Academic Year 2013-14 – 08 (c) In Academic Year 2014-15 – 08 (d) In Academic Year 2015-16 – 08.

The staff recruitment shall be carried out as per the requirement every year. For the first year the identified faculty shall be recruited on receipt of formal approval by AICTE for various courses / programs.

Appendix 11.8

LINKAGES IN TECHNICAL EDUCATION

a Introduction

Mutually to understand the exact need of industries to know the new teaching concepts and implement recent research/innovation. Linkage are with various organizations and technocrats for the upliftment and benefit of all the stake holders.

b Linkages with Industry

College has established the linkage with the industries for importing training in software CATIA, UG, UG CAM, ANSYS & FEM and L & T Switch gear display unit with testing and training facility for students in college complex. The company has given sample equipments to impart a training in college on this equipment. Also vice-a-versa college faculty will deliver lecture in their company on occasion of various program. Crompton Greaves Ltd, Aurangabad has also made generous donations to this institute for Laboratory Development. The industry personnel are also trained for the above software's. Continuous interaction with Maharashtra Electricity Distribution Company Ltd., is maintained.

c Linkages with the Community

College arrange parents meet twice a year and establish interaction in between community and college and accept their valuable suggestion. College also arranges guidance camp for the students of 12th standard. College is also arranging free coaching classes to all HSC general & category students who are appearing in common entrance test for engineering/technology/medical. The motto of such activities is to establish the linkages with the community and do better to uplift them. We arrange the guest lectures on the occasion of university re-naming day, Anniversary of Bharat Ratna Dr. Babasaheb Ambedkar, World Water Day, World Women Day and other Programs. Some times institute invited people of various societies and communities to attend the functions.

d Linkages with other Technical Institutions in the region

Our institute has joined with the Maharashtra Institute of Technology for imparting coaching to the final and pre-final year students for preparing them to face the campus interviews. We are also a member of the association of private unaided Engineering Colleges. We organize the Pool Campus i.e. the campus interviews for the students the region for the convenience of the industry. The response and the results are overwhelming.

e Linkages with institutions of excellence such as the IITs and IISc., Bangalore
Linkages Abroad

The students are sent for participation in the competitions organized by IITs and IISc. They have bagged the prizes in project competitions and also in the cultural programs. Staffs are regularly deputed for STTP's and seminars at IIT's & NIIT's. Staff are also deputed for Ph.D at NIIT's and Autonomous Government Institutions.

The students have secured the admissions for PG and are perusing / have completed their education. Many of our alumnus have studied abroad and are placed in various countries.

f Linkages with R&D Laboratories

The institute is taking efforts to get the sponsored projects from the nearby industries for final year students. These projects involve innovative problem solving. The interaction of staff is healthy and very useful to the students.

Appendix 11.9

GOVERNANCE AND ACADEMIC & ADMINISTRATIVE MANAGEMENT

a Philosophy of Governance

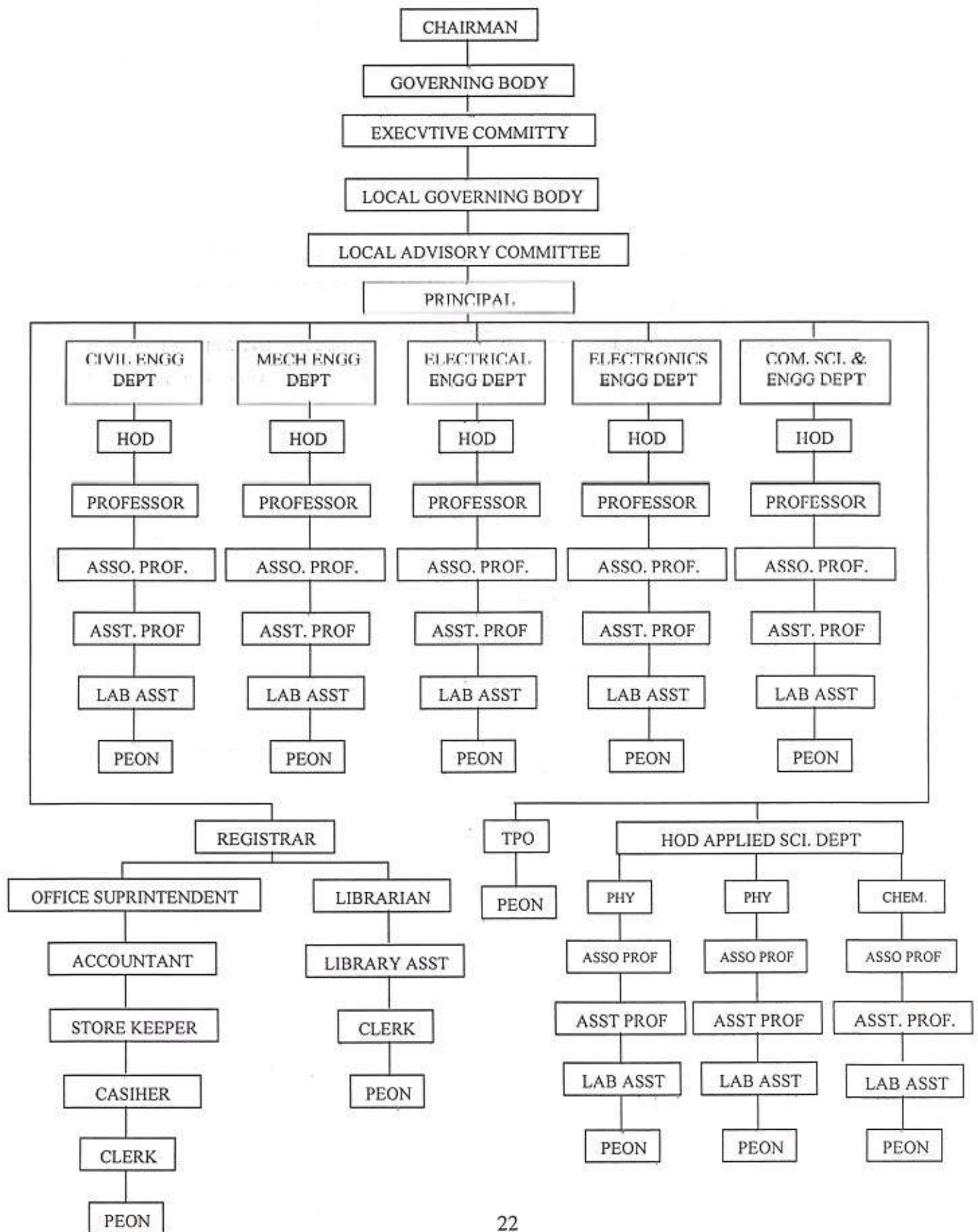
Being the social aspect, the ruling is the social phenomena; institute has adopted managerial and administrative hierarchies. Proper governance is practiced for business of institute by the way of an adequate echelon which is laid down in the code of conduct of concerned authorities

b Board of Governors

In accordance to the section 85 of Maharashtra University Act 1994 college has constituted board for local management committee and it functions accordingly. Besides that P.E. Society has the executive committee meetings for proper functioning and planning of work Directives and suggestion are given by the Executive Committee. There is another advisory committee framed in accordance to the WRC Mumbai (AICTE) consisting members from the field of education, industries, government. All the members of these committees are making valuable suggestions for the development and effective working of the institute

c Organizational Structure & Chart for day-to-day Operations & Management

♦ Organization Chart and Process



d Role and Responsibilities of Key Senior Positions

Responsibilities to the key posts such as Principal, Associate Professors, Head Of Departments, Workshop Superintendent, Assistant Professors, TPO, Registrar are as per the AICTE norms and Maharashtra Govt. Administrative Services code.

e Methods / Style of Administration / Management

- (a) At the top level management Governing Body of P.E. Society governs the college business based on the suggestions/directions of the college executive committee.
- (b) There is also another Local Advisory Committee to develop the institute. This committee is working in accordance with directives of Maharashtra University Act.
- (c) Apart from above, the institute administration is handled based on hierarchy of authority and gradation of responsibilities as between head of institute and respective departments meant for the academic management. Further administrative functions are delegated to lower echelon that is three tier management for the college administration, looked after by college registrar who bears the responsibilities of the middle management so called second tier gradation responsibility.

Appendix 11.10

CONCEPTUAL MASTER PLAN FOR MAIN CAMPUS DEVELOPMENT

a **The Site**

P.E Society (Mumbai) has allotted 22.5 acres piece of land from the huge education campus land situated in the heart of the Aurangabad city. The present college buildings are located in this campus.

b **Proposed Land Use Pattern**

The present college buildings have a surplus capacity which is sufficient for induction of new courses and increase in intake capacity of courses. Also there is sufficient scope for expansion of these buildings as per the growth requirements.

c **Design Concept**

An exemplary concept have been taken into accounts while designing the building structure and design work of class rooms, laboratories, seminar halls, training placement cell etc. Special consideration for attractive design of library rooms have been viewed by the management of P. E. Society (Mumbai).

d **Buildings and Facilities in the Campus**

The institute has a well ventilated and illuminated beautifully designed specious main building. Additional facilities for separate workshop, three large size hostels, and gymnasium buildings are provided in the campus. The society also has a large stadium and sports complex with a swimming pool.

e **External Services**

Aurangabad boing a well developed and industrial city, all the services related to the development of campus are readily available, apart from in house planning, designing and execution.

f **Construction Systems and Materials**

P.E. Society had appointed a project engineer for construction activity of such a big structural building. All the materials were tested from the Govt laboratories before using. The construction committee looks after the construction activities.

g Landscape Proposal

There is a wide scope for landscaping. The activity is already started and is executed departmentally; in stages.

Institute has designed landscape proposal for various complex.

Appendix 11.11

REQUIREMENT OF STAFF, SPACE & EQUIPMENT AND THEIR COST

a Introduction

The institute has well developed building and laboratories. The additional requirement for proposed expansion can be made at the starting phase. Institute will mobilize the funds phase wise for recruitment of teaching and non-teaching faculty, development of infrastructure and purchases of equipment.

b Faculty Requirements

All the required faculty shall be recruited for the proposed courses and variation of the intake capacity, every year.

c Non-teaching Staff Requirements

All the required faculty shall be recruited for the proposed courses and variation of the intake capacity, every year.

d Building Requirements: Area and Costs

Sr. No.	Type	Area Required Sq.m.	Area Available Sq.m.	Additional are to be continued	Cost
1	Instructional	9865	9865.5	---	---
2	Amenities	687	687	---	---
3	Circulation	2964	2964.36	---	---

e Estimated Cost of Equipment

Nil

f Phase-wise Financial Requirements

First Year 2017-18 – 90 Lakhs

Second Year 2018-19– 95 Lakhs

Third Year 2019-20 – 100 Lakhs

Fourth Year 2020-21 – 105 Lakhs

g Strategies for Financial Mobilization

Institute has planned to mobilize the funds to meet an expenditure on account of development of instructional, administrative, amenities, space and the expenditure for development of laboratories as well as to meet the recurring and Non-recurring expenditure as per AICTE norms.

The trust funds & fees collected will be directed towards the requirement of the additional expenditure.

Appendix 11.12

ACTION PLAN FOR IMPLEMENTATION

a **Activity Chart**

Meeting of the G. B. of P. E. Society
Application for affiliation to the University
Application to the Government of Maharashtra
Application to the AICTE
After receiving approval from AICTE
Staff requirement as per norms.
Start of the programs in the new Academic year.

b **Constraints**

In the natural growth of the programs all the necessary requirements will be developed.
The norms will be followed.

c **Financial Outlay**

Financial outlay is expenditure on salaries, replace the obsolete equipments, expenditure on contingents, maintenance of building, purchasing of books, purchase of raw materials for practical to meet expenditures for the training purposes of staff and students etc.

d **Strategy for Implementation**

Based on the stipulated guidelines for expenditure and recommendation from the various committees meant for institute development. i.e. Local advisory committee framed vide Maharashtra University Act, People's Education Society's executive committee meeting is making recommendation for monitoring the budget provision and People's Education Society's Governing Body Committee is implementing strategy for budget.

Appendix 11.13

EXECUTIVE SUMMARY OF THE DETAILED PROJECT REPORT

- a Details about the Promoting Body : as per F - Constitution of the Promoting body
- b Name and address of the Promoting Body
- c Date of Registration / Establishment of the Promoting Body
- d Nature of the Promoting Body
- e Activities of the Promoting Body since inception
- f Constitution of the Promoting Body

Details are given below

- i) **Name and Address of the Promoting Body:**
(Government / University / Trust / Society)

People's Education Society
(Mumbai)
Anand Bhavan, Dr. Dadabhai Nauroji
Road, Fort-Mumbai, (Mah)

- ii) **Date of Registration / Establishment of the Promoting Body:**

8th July 1945

- iii) **Nature of the Promoting Body:**

Religious	Charitable	Family	Others
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- iv) **Activities of the Promoting Body since inception:**

(With special emphasis on Academic, Social & Industrial Activities and details on other institutions run by the Promoting Body) **To provide facilities for education, secondary, collegiate, technical, physical and the like; to provide facilities for education of the poor and the Buddhists.**

The society runs 31 institutions. Kindly refer to the list in point 2.3 in list of major institutions run by the P. E. Society, Mumbai.

v) Constitution of the Promoting Body:

(Give details indicating the names)

Sl. No.	Name	Academic Qualification		Nature of Association with the Promoting Body	Experience in Academic Institutions (in Years)			Overall Experience (in Years)
		Technical	Non Technical		Promotional	Management	Organisational	
1	Dr. Shankar P. Gaikwad		G.C.A.M.	Chairman	15	8	15	38
2	Mr. Mansingh S. Moray		B.A., LLB	Member	19		5	24
3	Adv. Prakash Y. Ambedkar		B.A., LLB	Member	8			8
4	Mr. Bhaidas I. Nagrale		M.A., B.Ed., LLB.	Member	5			5
5	Er. Uttamrao G. Zalte	ME (Elect.)		Member	5			5
6	Dr. Tukaram A. Shiware		Ph.D., M.Com., D.Litt. (Colombo)	Member	5			5
7	Er. Brijendrakumar Choubey	BE (Mech)		Member	8			8

Appendix 11.14

FACULTY DATA

Sl. No.	Name	Academic Qualification		Nature of Association with the Promoting Body	Experience in Academic Institutions (in Years)			Overall Experience (in Years)
		Technical	Non Technical		Promotional	Management	Organisational	

Appendix 11.15

PROPOSED INSTITUTION

- | | | | |
|----------|---------------------------------------------------------|----------|------------|
| a | <u>Details about the Proposed Institution</u> | - | Nil |
| b | <u>Development Plan for the Proposed Program</u> | - | Nil |
| c | <u>Vision of the Promoting Body</u> | - | Nil |
| d | <u>Mission of the Promoting Body</u> | - | Nil |

Appendix 11.16

PROJECTIONS FOR NEXT 10 YEARS

Nil

Appendix 11.17

TOTAL PROJECT COST (at the time of establishment and next five years)

Nil

Appendix 11.18

DETAILS FOR MOBILIZATION / SOURCE OF FUNDS (CAPITAL & RECURRING) (At the time of establishment and next five years) (Rs. in Lacs)

Nil

Appendix 11.19

RECRUITMENT OF FACULTY

Nil

Appendix 11.20

RECRUITMENT OF NON-TEACHING STAFF

Nil

Appendix 11.21, 11.22

PROPOSED STRUCTURE OF GOVERNING BODY

Nil

Appendix 11.22

PROPOSED STRUCTURE OF BOARD OF GOVERNORS

Nil

Appendix 11.23

INDUSTRY LINKAGES (from the time of establishment of college.)

Sr. No.	Name of the Industry	Nature of Interaction	No. of Students
1	Cranes Software International Limited, Bangalore	Project Development of BE (EC) Students	07
2	Videocan International Limited, Aurangabad	Inplant Training	08
3	Crompton Graves Ltd, Aurangabad	Industrial Visits	50
4	L & T Switchgear Limited, Mumbai	Set up of Switchgear & Protection Laboratory	In Progress
5	Garware Plastics Aurangabad	Inplant Training	06
6	State Electricity board	Inplant Training Industrial Visits	04 50
7	Cotton Greaves Ltd., Aurangabad	Guest faculty Lecture by Mr. P.N. Virdi	120
8	Expoerts Solution Pvt., Ltd., (India)	Guest faculty lecture by Mr. Parag Pande	65

9	Teknokrat Academy of Automation and control Technology Masik	7 Days workshop on Industrial Automation and Mechatronics in Dept.	40
10	Experts Solutions India Pvt., Ltd.,	One Day workshop on ERP Bachtions	120
11	Tarapore Atomic Power Station, Mumbai	Visit to be planned in near future	70
12	Videocan International Aurangabad	Industrial Visit	15
13	S A I Industries, Aurangabad	Industrial Visit	15
14	Bajaj Auto	Training	02
15	Videcon Industrics Ltd., A'bad.	Campus Interview	
16	Johnson & Johnson	---	
17	TCS	---	
18	Persistent	---	
19	Cognizant	---	
20	IBM	---	
21	Syntel	---	
22	Infosys Technologies Ltd., Bangalore	---	
23	Silverline Technologies Ltd., Mumbai	---	
24	Reliance Info Solutions, Mumbai	---	
25	Indo German Tool Room	---	
26	Tata Infotech, Mumbai	---	
27	Mahindra British Telecom Ltd., Pune	---	
28	Indusance Ltd., Aurangabad.	---	
29	Garware Polysters, Aurangabad	---	
30	L & T Infotech, Powai, Mumbai	---	
31	Schneider Electric Ltd.	---	
32	L & T Switchgear	---	
33	Crompton Greaves	---	
34	Bajaj Auto Ltd.	---	
35	Gaurav Engineering	---	
36	Lombardini Pvt. Ltd., Aurangabad	---	
37	Marathwada Auto Compo, Aurangabad	---	
38	Sterlite Pvt. Ltd., Aurangabad	---	
39	Sumbeam Computing Technologies	---	
40	Godrej & Boyce Mdg. Co. Pvt. Ltd.	---	

41	NRB Bearings	---	
42	Aurangabad Electricals	---	
43	Wiprotechnologies Pvt. Ltd., Pune	---	
44	Wiprolighting Pvt. Ltd.	---	
45	Trans Delta Electricals	---	
46	Schematic Technologies, Hyderabad	---	
47	Kirloskar, Pune	---	
48	Ceeray Diakin, Chikalthana, A'bad	---	
49	Fouress Engineering, Paithan, A'bad	---	
50	Reliance Infotech , Pune	---	