

STRATEGIC PLAN 2012-17



**UNIVERSITY OF ENGINEERING & TECHNOLOGY,
LAHORE**

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PREAMBLE

University of Engineering and Technology Lahore is the oldest Engineering Institution of Pakistan (established in 1921). It has three Satellite Campuses at KSK, Faisalabad and Gujranwala. It has 6 Faculties, 23 Departments and 14 Research Centres. Total students enrolment is about 10,000. As per QS Ranking UET has been ranked at 281st amongst Engineering Universities of the World and 600 + amongst all Universities of the World. In Asia it is at 61st amongst Engineering Universities and 171st amongst all Universities.

At UET Main Lahore, undergraduate enrollment has been planned upto 6000 students, beyond which the focus shall shift to the expansion and improvement of post-graduate teaching and research. With this in view research facilities are planned to be further strengthened.

Kala Shah Kaku and Faisalabad campuses shall initially concentrate on under graduate programmes. Subsequently post-graduate teaching and research will be introduced.

Rachna College of Engineering and Technology (RCET) Gujranwala shall initially concentrate on making up of deficiencies. Subsequently the college will be expanded and more disciplines will be added.

(Vice-Chancellor)

PART ONE

UET'S MISSION, VALUES AND OBJECTIVE

1. UET's Mission

To play a leading role as a Public Sector University of Engineering & Technology and conduct teaching and research that is internationally relevant, financially affordable and has a direct bearing on country's industrial, technological and economic development.

2. Core Values

For the accomplishment of its mission the University is guided by the following core values:-

- a. Recognize and reward merit, innovation and creativity.
- b. Attain and maintain quality and excellence in teaching and research.
- c. Ensure transparency and openness in all academic, financial and public dealings.
- d. Follow students centered approach in all policy matters.
- e. Recruit, nurture and retain high quality faculty.

3. UET's Aspiration / Objective

The university aspires to be the regional leader and wishes to improve its ranking from top 300 Engineering Universities of the world to top 100 universities of the world.

4. UET IN CONTEXT - LOCAL, PROVINCIAL AND INTERNATIONAL

a. Local and Regional Significance of UET Lahore

- 1) UET has produced more than 33000 Engineering Graduates over the years. The University has international standing and its graduates are accepted the world over.
- 2) The University has a student body of about 10000 with over 900 faculty members It has about 800 foreign students from countries like Saudi Arabia, Iran, Jordan, Palestine, Ethiopia, Somalia, Sri Lanka, Bangladesh, Nepal, Afghanistan etc. including overseas Pakistanis from various countries.

- 3) The University has been ranked as the best Public Sector Engineering University of Pakistan. It is amongst the top 100 Universities of Asia and top 300 Engineering Universities of the World.

b. Contribution of the University to the Community

- 1) The University is chartered to train graduates essentially from the Province of Punjab, but it offers exchange quota seats to other Provinces as well as Azad Kashmir, Northern Areas and Fata. Annual induction of students at Undergraduate level is about 2200 and Post graduate level about 800.
- 2) Considering the ever increasing demand for engineering graduates in the country, the University has enhanced students' induction over the last few years. To further enhance the students' enrollment the University has established campuses at Kala Shah Kaku, Faisalabad and Gujranwala. KSK Campus offers 40% open merit seats at all Pakistan level.
- 3) The University has maintained a high merit in the induction of students and faculty. Being a State University, UET has been offering education at affordable rate despite, financial pressures.

c. Contribution of the University to the Economy and Industry

- 1) The University has six Faculties with 23 Departments and 14 Research Centres. These are equipped with latest equipment and impart teaching and research keeping in view the economic and industrial requirements of the country.
- 2) The University has set up new campuses specifically aimed at interacting with industry in the Golden Industrial triangle of Gujranwala-Faisalabad-Sheikhupura.
- 3) In keeping with its motto "Engineering Stronger Pakistan" the University is contributing significantly in developing the Industry and Economy of the Country.
- 4) The University offers following Post Graduate Programmes:-
 - a) M.Sc. Power Engineering
 - b) M.Sc. Electronics Engineering
 - c) PhD Electrical Engineering
 - d) M.Sc. Thermal Power Engineering
 - e) M.Sc. Mechanical Design Engineering
 - f) M.Sc. Production Engineering
 - g) PhD Mechanical Engineering
 - h) M.Sc. Hydraulics & Irrigation Engineering
 - i) M.Sc. Soil Mechanics & Geo-Technical Engineering
 - j) M.Sc. Structural Engineering

- k) PhD Civil Engineering
- l) M.Sc. Environmental Engineering
- m) M.Sc. Water Resources Engineering
- n) M.Sc. Hydrology
- o) M.Sc. Water Management
- p) PhD Water Resources Engineering
- q) PhD Hydrology
- r) PhD Water Management
- s) M.Sc. Chemical Engineering
- t) PhD Chemical Engineering
- u) M.Sc. Metallurgical Engineering
- v) PhD Metallurgical Engineering
- w) M.Sc. Petroleum Engineering
- x) M.Sc. Mining Engineering
- y) PhD Mining Engineering
- z) PhD Petroleum Engineering
- aa) M.Sc. Computer Science
- bb) M. Arch
- cc) M.Sc. City & Regional Planning
- dd) M. Phil Applied Physics
- ee) M. Phil Applied Chemistry
- ff) M. Phil Applied Maths
- gg) M.Sc. Control Engineering
- hh) M.Sc. Electronics & Telecom. Engineering
- ii) M.Sc Manufacturing Engineering
- jj) M.Sc. Engineering Management
- kk) PhD Manufacturing Engineering
- ll) PhD Engineering Management
- mm) M.Sc. Mechatronics Engineering
- nn) PhD Mechatronics Engineering
- oo) M.Sc. Building Engineering
- pp) M.Sc. Integrated Building Design
- qq) M.Sc. Transportation Engineering
- rr) M.Sc. Computer Engineering
- ss) PhD Computer Engineering
- tt) PhD Computer Science
- uu) M.Sc. Polymer & Process Engineering
- vv) M.Sc. Geological Engineering
- ww) M.Sc. Product & Industrial Design
- xx) PhD Applied Physics
- yy) PhD Applied Chemistry
- zz) PhD Applied Maths

5) The University offers following Under Graduate Programmes:

UET Main

- a) B.Sc. Electrical Engineering

- b) B.Sc. Mechanical Engineering
- c) B.Sc. Civil Engineering
- d) B.Sc. Chemical Engineering
- e) B.Sc. Metallurgical Engineering
- f) B.Sc. Mining Engineering
- g) B.Sc. Petroleum & Gas Engineering
- h) B. Architecture
- i) B.Sc. City & Regional Planning
- j) B.Sc. Computer Science
- k) B.Sc. Computer Engineering
- l) B.Sc. Mechatronics and Control Engg
- m) B.Sc. Industrial and Manufacturing Engg
- n) B.Sc. Architectural Engineering & Design
- o) B.Sc. Environmental Engineering
- p) B.Sc. Transportation Engineering
- q) B.Sc. Geological Engineering
- r) B.Sc. Polymer and Process Engineering
- s) B. Product & Industrial Design

KSK Campus

- t) B.Sc. Electrical Engineering
- u) B.Sc. Mechanical Engineering
- v) B.Sc. Chemical Engineering
- w) B.Sc. Electrical Engineering Technology
- x) B.Sc. Mechanical Engineering Technology
- y) B.Sc. Chemical Engineering Technology

FSD Campus

- z) B.Sc. Electrical Engineering
- aa) B.Sc. Mechatronics and Control Engineering
- bb) B.Sc. Chemical Engineering

RCET, G/wala

- cc) B.Sc. Electrical Engineering
- dd) B.Sc. Mechanical Engineering
- ee) B.Sc. Industrial and Manufacturing Engineering
- ff) B.Sc. Computer Science

5. Governance and Leadership of UET

- a. UET is governed under the supervision and guidance of the Government of the Punjab.
- b. The following are the Authorities of the University:-
 - 1) Senate
 - 2) Syndicate

- 3) Academic Council
- 4) Board of Advance Studies and Research
- 5) Boards of Faculties
- 6) Boards of Studies
- 7) Selection Board
- 8) Finance and Planning Committee
- 9) Affiliation Committee
- 10) Discipline Committee
- 11) Such other Authorizes as may be prescribed.

c. The following are the Officers of the University of Engineering & Technology, Lahore:-

- 1) The Chancellor
- 2) The Pro Chancellor
- 3) The Vice-Chancellor
- 4) The Pro Vice- Chancellor
- 5) The Deans of Faculties
- 6) The Directors of Institute / Directorate / Centers
- 7) The Chairmen of the Teaching Departments
- 8) The Coordinators of Campuses of UET
- 9) The Principal of Constituent College
- 10) The Registrar
- 11) The Treasurer
- 12) The Controller of Examinations
- 13) The Librarian and
- 14) Such other Persons as may be prescribed to be Officers.

PART TWO

Section 1: OBJECTIVE, GOALS AND OUTPUTS

6. Teaching and Learning

- a. **Overarching Teaching and Learning Objective:** To conduct teaching and learning that is Internationally recognized, financially affordable and has a direct bearing on country' s Economic Development.
- b. **Five years SMART Goals and their Outputs:**
 - 1) **The Students Experience**
 - a. To Enhance students Industrial Experience.
 - b. To Enhance students co-curricular experience.
 - 2) **Under Graduate and Post Graduate Programmes:**
 - a. To enhance the Post Graduate Strength to 2000 at UET Main.
 - b. To raise the under Graduate Students Strength to 1300 at KSK.
 - c. To raise the under graduate Students enrollment to 1300 at Faisalabad Campus.
 - d. To raise the under Graduate Students enrollment to 800 at RCET.
 - e. To introduce under Graduate Medical Engineering Programmes and Medical Engineering Technology Programmes at KSK Campus.
 - f. To introduce under Graduate Textile Engineering Technology Programme at Faisalabad Campus.
 - g. To start management Courses at KSK, Faisalabad and RCET.
 - h. To start Distance Learning Programmes.
 - 3) **MS and Ph. D. Programmes:**
 - a. To strengthen MS Programme and shift it from evening to morning.
 - b. To enhance the M.Phil/PhD induction proportionally.
 - c. To start MSc Engineering Technology Programmes at KSK in Electrical, Mechanical and Chemical disciplines.
 - d. To start M.Sc Engineering Programme at Faisalabad in Electrical, Mechatronics and Chemical disciplines.
 - e. To increase PhD induction to 300 at UET Main.

4) Institutional Linkages – National/International with Non HEI partners

- a. To develop linkages with international Non HEIs.
- b. To enhance linkages with local and international industry.

5) Quality Assurance and Accreditation

- a. To strengthen Quality Enhancement System.
- b. To ensure timely accreditation of various programmes at all campuses.
- c. To prepare for accreditation by ABET of various Engineering programmes at UET Main.

6) Widening Participation (Access, Flexible Learning Programmes)

- a. To enhance under Graduate students enrollment to 10700.
- b. To enhance Post Graduate enrollment to 3500.

7) Employability

- a. To ensure employability of students

8) Finance of Teaching and Learning

* **Income: fees, other income**

- a. To increase income from Fees without burdening poor students.
- b. To generate income from other sources.

* **Sponsorship and Assistance**

- a. To arrange sponsorship to support the budget.
- b. To arrange financial assistance from various sources to overcome budgetary shortfall.

* **Investment**

- a. To explore options for investment by Local and International Investors.

7. Research

a. The Overarching Research Objective: To develop into a leading research university of Engineering and Technology.

b. Five Year SMART Goals and Their Outputs:

1) Research Focus Areas and Themes

- a. To carry out industry and economy oriented applied research.
- b. To lay special emphases on cutting edge technologies like Renewable Energy, Nano Technology, Bio Medical Engineering and Water Resources Engineering

2) Projects

- a. To get research projects from local as well as international organizations.

3) Publications, Conferences and Seminars

- a. To enhance number of research publications.
- b. To organize more national and international level Conferences, Workshops and Seminars
- c. To publish more journals in specialized areas.

4) Institutional Linkages – National/International, with Non HEI partners

- a. Promote linkages at national and international level.

5) Finance of Research

- a. To enhance research allocation for Faculty and Post graduate research.

8. Knowledge Exchange

- a. **Overarching Knowledge Exchange and Focus Areas:** To create, and disseminate knowledge for national development

b. Five Years SMART Goals and Their Outputs

1) Commercialization

- a. To commercialize KE as far as possible.

2) Skills and Human Capital Development

- a. To enhance skills and HR development.

3) Knowledge Sharing/Diffusion

- a. To ensure diffusion and sharing of knowledge.

4) Supporting the Community/Public Engagement/Developing Government

- a. To enhance support to the community, public and the Government.

5) Enterprise Education and Entrepreneurship

- a. To enterprise education and entrepreneurship.

6) Exploiting the University's Physical Assets

- a. To exploit University's physical infrastructure.
- b. To exploit University's reputation.
- c. To exploit University's Campuses.

7) KE Leadership, management (People)

- a. To promote KE for developing leadership and improving management.

8) KE Support Facilities and Processes

- a. To promote exchange of knowledge through exploitation of facilities and processes.

9) KE Measuring

- a. To develop a mechanism to measure KE.

10) Promotion of KE Activities and Developing Relationships

- a. To promote KE activities.
- b. To develop KE relationship

11) KE Finance – Costs and Income

- a. To reduce KE costs.
- b. To increase income from KE.

9. Our Place: Campuses and Facilities

- a. **The Overarching Place Objective:** to provide academic and research environment with high class technological infrastructure, support facilities and services.

b. Five year SMART Goals and their outputs**1) Campus Development: Buildings, Grounds, Facilities (Health, Sports etc)**

- a) To ensure qualitative improvement of UET Main.
- b) To complete the development plan of KSK, Faisalabad and RCET as envisaged in PC-I.
- c) To develop sports facilities at KSK and Faisalabad

2) Technological Infrastructure

- a) To upgrade / modernize labs at UET Main.
- b) To develop new labs at KSK, Faisalabad Campuses and RCET.
- c) To improve internet facility at KSK, Faisalabad Campuses and RCET.

3) (Energy, Water, Waste and other Resource Management)

- a) To conserve energy and water.
- b) To recycle waste.
- c) To explore alternate sources of Electricity in the face of extensive load-shedding.

10. Our People

- a. **The overarching objective of our people:** To attract, develop and retain a well qualified and efficient work force.
- b. **Five Years Smart Goals and their Outputs**
 - 1) **Faculty Development Programme**
 - a) To enhance Ph.D. Faculty strength.
 - b) To improve Ph.D. to Non Ph.D. ratio.
 - c) To arrange Post PhD training of newly inducted Ph.Ds.
 - d) To arrange young teachers' training in pedagogical and communication skills.
 - 2) **CPD for In Service Staff**
 - a) To organize CPD for in service Staff.
 - 3) **Recruitment, Reward and Recognition, Retention**
 - a) To recruit more non teaching staff in new campuses.
 - b) To ensure attractive career growth prospects
 - 4) **Exchange Programme**
 - a) To enhance National as well as International exchange programme.

11. Governance and Leadership

- a. **Overarching Objective for Governance and Leadership:**

To develop a governance and leadership team which should serve as a role model for other universities.
- b. **Five Years SMART Goals and Their Outputs**
 - 1) **Governance Structures and Processes**
 - a) To improve governance structures and processes.
 - 2) **Leadership Performance**
 - a) To enhance leadership performance.
 - 3) **Accountability and Transparency**
 - a) To enhance accountability and Transparency in governance.

12. Financial Health

- a. **The Overarching Objective for Financial Health:** To ensure financial sustainability of the university without putting undue burden on the common student.
- b. **Five Year SMART Goals and Their Outputs**
 - 1) **Income Streams**
 - a) To identify and tap new sources of income to ensure financial sustainability.
 - 2) **Expenditure (Recurring)**
 - a) To curtail recurring expenditure.
 - 3) **Investment (capital, assets, people)**
 - a) To enhance investment in Capital, assets and people to manage budgetary deficit.
 - 4) **Per Student Spend**
 - a) To take measures to rationalize per student spending.
 - 5) **Auditing and Accountability Process**
 - a) To improve and strengthen audit and accountability processes and procedures.

Section 2: Action Plan, Timelines.

13. Teaching and Learning:

- a. Freeze under Graduate enrollment at 6000 at UET-Main and utilize the extra facilities for extension of Post Graduate Programmes to 3000 by 2017.
- b. Induct more M.Phil students at UET Main in place of discontinued M.Sc Programmes.
- c. Develop Medical Engineering facilities at KSK and Textile Engineering facilities at Faisalabad for smooth running of these programmes.
- d. Arrange more industrial tours and promote internship programmes.

- e. Expedite completion of Hostel accommodation at KSK and Faisalabad Campuses and raise the under Graduate enrollment to 1300 each by 2017.
- f. Induct more Ph.D. Staff at KSK, Faisalabad Campuses and RCET for starting M.Sc Programmes.
- g. At least 60 senior Professors with Ph.D qualification should be ear marked to supervise Ph.D scholars.
- h. Departments should establish linkages with industry in their relevant fields.
- i. Get assessment / Monitoring Reports from the Departments and Research Centres respectively.
- j. Set up committees of experts in various Faculties and start preparing for getting ABET accreditation.
- k. Improve the quality of University Journal for getting it upgraded.
- l. Launch Research Journals at Faculty Level.
- m. Enhance facilities at KSK and Faisalabad Campuses to accommodate more students.
- n. Create awareness about new academic programmes amongst the employers in public as well as private sectors.
- o. Exploit Alumni Network for placement of Graduates / resource generation.
- p. Strengthen Placement Bureau.
- q. Reduce subsidies in tuition fee and service charges.
- r. Generate more funds through ESU-PAK.
- s. Get more donations from Alumni.
- t. Arrange financial assistance through sponsorship.
- u. Exploit options for investment by Local and Foreign Investors.
- v. Arrange more funds to maintain the present cost ratio.

14. Research

- a. Interact proactively with industry to carry out industry oriented research.
- b. Induct more Ph.Ds in cutting edge technologies to lay greater emphasis on research in areas like Nano Technology, Bio Medical Engineering and Water Resources Engineering.
- c. Approach the industry as well as international organization to get research projects.
- d. Promote Faculty and Post Graduate students participation in national, international conferences & seminars
- e. Enhance incentive for publishing papers in Journals with Impact factors.
- f. Steps up efforts to get the UET research Journals upgraded into and Impact Factors Journals.
- g. Arrange students and faculty exchange at international level.
- h. Interact proactively with industry for joint research.

- i. Promote applied research to attract funding from industry and corporate sector.

15. Knowledge Exchange.

- a. Establish Directorate of Commercialization and Research.
- b. Promote innovation and Technology incubation.
- c. Launch CPD Courses and start training courses for HR development.
- d. Organize Conferences and Seminars more frequently.
- e. Provide expert advice to the Government on Projects of national interest.
- f. Assist the Government in Monitoring and Evaluation of Public Sector Projects.
- g. Establish Entrepreneurship Centre.
- h. Promote continuing Engineering Education.
- i. Expedite the construction of Hostels at KSK and Faisalabad Campuses to induct more students.
- j. Encourage senior faculty to compete with important leadership / management slots in Public and private organizations.
- k. Help Public and Private Sectors Institutions in high level management.
- l. Utilize media and video conferencing equipment for KE.
- m. Arrange Seminars and extension lectures for other institutions.
- n. Establish Technology Park at KSK Campus.
- o. Get students, employers and Alumni feed back about UET Graduate students.
- p. Invite industry leadership on final year projects.
- q. Organize employers' conferences.
- r. Encourage industry representatives to interact with the University.
- s. Ensure dissemination of Education at affordable rate.
- t. Promote testing and consultancy services to generate more income.
- u. Utilize open areas for horticulture, bee farming and commercial services.

16. Our Place: Campuses and Facilities.

- a. **Campus Development: Buildings, Grounds, Facilities. (Health, Sports, etc.)**
 - 1) Replace very old buildings with new ones.
 - 2) Add more Hostels accommodation.
 - 3) Expedite development work at KSK, Faisalabad Campuses and RCET.
 - 4) Give higher priority to sports facilities at KSK, Faisalabad Campuses and RCET.
- b. **Technical Infrastructure**
 - 1) Replace very old Lab-Equipment with new Equipment.
 - 2) Add Engineering Technology Labs at KSK and Faisalabad Campuses.

- 3) Expedite installation and expansion of internet facility at KSK, Faisalabad Campuses and RCET.

c. Energy, Water, Waste and other Resource Development.

- 1) Apply austerity measures in the use of Energy and Water.
- 2) Set up Bio Gas and Gasification Plants to recycle waste.
- 3) Set up Photo Voltaic Electric Supply System at KSK and a Hydel Power Station at RCET.

17. Our People:

a. Faculty Development Programmes:

- 1) Arrange foreign Ph.D. training of additional 100 teachers during next five years.
- 2) Arrange Local Ph.D. training of additional 100 teachers during next five years.
- 3) Send 25% of young Ph.D. teachers for Post Doctoral Training.
- 4) Run short courses for enhancing teachers pedagogical and communication skills.

b. CPD for in Service Staff.

- 1) Run short courses and conduct CPD training for teachers and administrative staff.

c. Recruitment, Reward, Recognition, Retention:

- 1) Make up deficiencies of administrative staff in various campuses.
- 2) Review blocked promotion cases.
- 3) Enhance remuneration for Faisalabad and RCET, to make them attractive for Staff.

d. Exchange Programme:

- 1) Arrange faculty and students exchange programmes.

18. Governance and Leadership:

a. Governance Structure and Processes

- 1) Delegate authority to campuses and faculties.
- 2) Develop monitoring mechanism for implementation of decisions.

b. Leadership Performance:

- 1) Set up mechanism for monitoring the performance and achievements of the leadership teams.

b. Accountability and Transparency:

- 1) Ensure financial and academic audit on regular basis.
- 2) Ensure greater co-ordination in decision making.

19. Financial Health:

a. Income Streams:

- 1) Expand ESU PAK to generate more income.
- 2) Step up activities of Continuing Engineering Education Centre.
- 3) Explore the possibility of diversifying income generating programmes at KSK Campus.
- 4) Review fee structure to generate more income.
- 5) Tap Alumni for more income.
- 6) Explore prospects of Public – Private Partnership.

b. Expenditure (Recurring)

- 1) Enforce strict financial discipline.
- 2) Control manpower to curtail recurring expenditure.
- 3) Strengthen the role of Austerity Committee to ensure economy of finances.

c. Investment (Capital, Assets, People):

- 1) Increase investment to generate more income.
- 2) Maximize earning through investment of fixed deposits.

d. Per Student Spend:

- 1) Rationalize remuneration and other financial benefits for staff.
- 2) Curtail transport and electricity expenditure.

e. Auditing and Accountability Process:

- 1) Enforce strict pre-auditing.
- 2) Tighten accountability mechanism.

Section 3: Finances

20. Following amounts have been allocated for various actions out of the ECNEC approved Project “Strengthening of University of Engineering & Technology, Lahore”:-

a. UET Main**1) Projects to be completed:**

- a) Hostel accommodation for 490 students.
- b) Hostel for Bachelor Faculty
- c) Induction of Lab. Equipment.
- d) Faculty Development

2) Funds allocation:

- | | |
|---------------------------------|-----------|
| a) Civil Works | 102.136 M |
| b) Lab. Equipment | 740.484 M |
| c) Faculty Training/Development | 453.516 M |

d)	Books & Journals	17.229 M
e)	Furniture	9.277 M
f)	Transport	0.128 M
g)	Contingencies	10.809 M
	Total	1333.579 M

b. KSK Campus

1) Projects to be completed:

- a) Addition of two blocks in Mechanical, Mechatronics and Manufacturing Engineering Department.
- b) Technology Incubation Centre
- c) Continuing Engineering Education and Training Centre.
- d) Hostel for 150 students.
- e) Hostel for International students.
- f) Mosque
- g) Health Clinic
- h) Residential Buildings
- i) Induction of Lab. Equipment.
- j) Faculty Development

2) Funds Allocation:

a)	Civil Works	462.099 M
b)	Lab. Equipment	218.954 M
c)	Faculty Training/Development	408.343 M
d)	Books & Journals	10.988 M
e)	Furniture	7.971 M
f)	Transport	0.223 M
g)	Contingencies	8.324 M
	Total	1116.902 M

c. FSD Campus

1) Projects to be completed:

- a) Addition of one block in Mechanical, Mechatronics and Manufacturing Engineering Department.
- b) Centre for Advancement of Textile Technology.
- c) Technology Incubation Centre
- d) Continuing Engineering Education and Training Centre.
- e) Hostel for 150 students.
- f) Mosque
- g) Residential Buildings
- h) Induction of Lab. Equipment.
- i) Faculty Development

2) Funds Allocation

a)	Civil Works	412.512 M
b)	Lab. Equipment	349.669 M
c)	Faculty Training/Development	470.264 M
d)	Books & Journals	6.465 M
e)	Furniture	14.158 M
f)	Transport	0.113 M
g)	Contingencies	9.525 M
	Total	1262.706 M

d. RCET G/Wala

1) Projects to be completed:

- a) Expansion of Mechanical Engineering Department.
- b) Expansion of Industrial Manufacturing Engineering Deptt.
- c) Expansion of Electrical Engineering Department.
- d) Construction of Department of Basic Science and Humanities.
- e) Construction of Library.
- f) Construction of Students Service Centre.
- g) Residential Buildings
- h) Induction of Lab. Equipment
- i) Faculty Development

2) Funds Allocation:

a)	Civil Works	181.405 M
b)	Lab. Equipment	68.811 M
c)	Faculty Training/Development	107.851 M
d)	Books & Journals	4.730 M
e)	Furniture	4.750 M
f)	Transport	0.050 M
g)	Contingencies	7.875 M
	Total	372.472 M

Section 4: Monitoring, Measuring and Evaluation.

21. The following methods will be used to monitor the hard and soft impact of activities under taken by the University:-
 - a. Campus coordination Committee will monitor the Civil Works.
 - b. Quality Enhancement Cell will monitor the academic progress.
 - c. Deans of Faculties and Campus Coordinators will monitor the progress in respective Campuses.
 - d. Director, Planning and Development will monitor Foreign Faculty Development Programmes.

Section 5: Risks.

22. The following risks are anticipated in carrying out the actions and achieving the goals:-

- a. Government funding may dry out which will require re-hatching of programmes and making alternate funding arrangements.
- b. Some of the teachers sent abroad under Faculty Development Programme may not return. Incentives be offered to ensure their return.

Section 6: Environmental Impacts.

- 23. No adverse environmental impact of the University's activities is anticipated.