UNIVERSITY OF MUMBAI

CIRCULAR: -

No.UG/336 of 2009. Mumbai 400 032, 1st September, 2009.

The Director,
Garware Institute of Career
Education and Development,
Vidyanagari Campus,
Kalina, Santacruz(East),
MUMBAI 400 098.

Sir,

I am to inform you that the recommendation of the course Committee of Garware Institute of Career Education and Development has been accepted by the Academic Council at its meeting held on 13th February, 2009 vide item No.7.10 and subsequently approved by the Management Council at its meeting held on 22nd May, 2009 vide item No.27 and that, in accordance therewith, Post-graduate Diploma in Telecom Management (PGDTLM) has been introduced by the University from the academic year 2009-2010.

Further that in exercise of the powers conferred upon the Management Council under Section 54(1) and 55(1) of the Maharashtra Universities Act, 1994, it has made Ordinances 5832 and 5833 and Regulations 7018, 7019, 7020, 7021 and 7022 including syllabus relating to the Post-graduate Diploma in Telecom Management (PGDTLM) is passed as per Appendix and that the same has been brought into force with effect from the academic year 2009-2010.

Yours faithfully,

DEPUTY REGISTRAR
(U.G./P.G.Section)

A.C/7.10/13.02.2009 M.C./27/22.05.2009

Copy to :-

The Director, Board of College and University Development, , the Deputy Registrar (Eligibility and Migration Section Director of Students Welfare, the Executive Secretary to the Vice-Chancellor, the Personal Assistant to the Pro-V Chancellor, the Registrar and the Assistant Registrar, Administrative sub-center, Ratnagiri for information.

The Officer on Special Duty and Controller of Examinations (10 copies), the Finance and Accounts Officer (2 copies Section (5 copies), Publications Section (5 copies), the Deputy Registrar, Enrolment, Eligibility and Migration Section (5 copies), the Deputy Registrar (Accounts Section), Vidyanagari (2 copies), Deputy Registrar, Statistical Unit (2 copies), the Deputy Registrar (Accounts Section), Vidyanagari (10 copies) the Dire University Registrar, Affiliation Section (2 copies), the Director, Institute of Distance Education, (10 copies) the Deputy Registrar (Special Cell), the Deputy Registrar



Ac 13/2/09

DRAFT

UNIVERSITY OF MUMBAI

GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT

ORDINANCE, REGULATIONS AND SYLLABUS FOR THE

PG DIPLOMA

IN

TELECOM MANAGEMENT

ONE YEAR FULL-TIME PROGRAMME

(w.e.f. academic year 2009- 2010)

UNIVERSITY OF MUMBAL GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT

PG DIPLOMA IN TELECOM MANAGEMENT ONE YEAR FULL-TIME PROGRAMME (w.e.f. academic year 2009- 2010)

<u>preamble</u>:

Telecom sector has been growing both in volume and diversity. There is The need for qualified and trained management personnel to develop and the business to put the latest technologies to growing the business to put the latest technologies to applications in demand by innovate the course is aimed at providing combined. innovate the course is aimed at providing combination of the processes, consumer, and technology with management consumer. and technology with management concepts and applications. characteristics has been put in the syllabus on modern technology. characteristics been put in the syllabus on modern techniques; those yet to come and Emphasis has been put in the syllabus on modern techniques; those yet to come and Emphasis rice and consumer level. Effort is made to give exposure to understand and get popular at consumer and products to turn techniques; those yet to come and get popular applications and products to turn technology in to business.

Objective:

To equip students with various technology, trends, processes in telecom and in To equip some management, supported by training to get in-depth knowledge and necessary skills for non-engineering jobs in telecom sector.

Career Scope :

The employment opportunities are:

- . In telecom manufacturing and marketing companies: in departments like Marketing, Customer Support, Market Research, Product planning, Finance, Project Finance, coordination with Banks and Insurance, Billing and Recovery, Macro Planning, Project Management, Service Level Monitoring and Reporting to Engineering, Public Relations, Govt Coordination, Purchase and Logistics etc.
- Single person owned, or family business of telecom marketing, sales, distribution is in existence for long and has excellent opportunities.

PG Diploma in Telecom Management 0 5832 Title of the Course :

One year full time. R7018 Duration

60 R 平 19 Total Capacity of Students:

Graduate in any faculty. 0.5833 Eligibility

Admission on the basis of written test and

interview

Expertise in the subject. R주어교 Teacher's Qualification

Course fees Rs 25000 for each R 7021 Semester. Fees like PG Registration, Fees:

Eligibility, Sports, etc extra. Fee structure enclosed.

Standard of Passing :-

The minimum percentage required for passing will be 50% in each paper.

Evaluation: 60% periodic evaluation, 40% semester end examination Grading system:

O grade
A+ grade
A grade
B+ grade
B grade
FAIL

ATKT: A student who fails in not more than two subjects in a semester can move to the next semester (ie getting maximum 2 ATKTs) and clear these (ATKTs) subjects in a supplementary examination held before the end semester examination semester.

- 4) A student who fails in more than two subjects can appear in the supplementary semester. A student who fails in the examination in all subjects but cannot go to the next be required to repeat that component and pass in practicals component or job training may separately for that component. the examination conducted
- 5) A student with ATKT has to appear in a supplementary examination in Progressive Evaluation (PE) or semester end - Final Evaluation (FE); whichever component the candidate has failed.

Carry forward Internal Marks for students failed in more than 2 subjects: If a student has passed in Progressive Evaluation but failed in total of the subject/s; the progressive evaluation marks are carried forward.

All theory semester-end exams will have 3 hours' duration.

Architecture of Course

Sem. I : August - December, Sem. II : January to July

Industry Training: Industry site work. 45 working days. May-July.

Project: To be done from start and submitted in March

1 credit =15 theory hours or 30 practicals or 45 project hours.

Each semester 15 weeks

EXAMINATION PATTERN

(TOTAL MARKS: 1900 TOTAL CREDITS: 56)

Paper	Subject			
FOP	Semester 1	Marks Assigned	Hours	Credits
1 2 3 4 5 6 7 8 9	Introduction to management Marketing Management Business Skills Development Information Technology Financial Management Business Environment Communications network & Telephony Wireless Technologies Telecom Systems & Networks - I User Side Equipment & Applications	100 100 100 100 100 100 100 100	45 45 45 45 45 45 45 45 45	3 3 3 3 3 3 3
10	Semester 1 Total Semester 2	100	45 45 450	3 3 30
11	Telecom Systems & Networks - II			
12	Networking	100	45	3
13	Operations Management	100	45	3
14	Service Management	100	45	3
15	Quality Management	100	45	3
16	Project	100	45	3
17	Industry training (360 hrs)	100	45	3
47Follo	Semester 2 Total	300	360	8
	Total	1000	600	26
	Particle and the second	1900	1080	56

⁻Industry visits to see Telecom installations, Components, networks eg site visit to exchange, Customer Service Centres, towers, Broadcast transmitters, LAN/WAN networks etc.

⁻Guest Lectures, Manufacturer's presentations on their equipments and products etc.

⁻Visit to an installation during project planning, installation/commissioning.

SUBJECT-WISE SYLLABUS

	SUBJECT-WISE SYLLABOS
PAPER NO.	SUBJECT
NO.	Note for Teachers: The exposure in Telecom subjects should include: principles, merits, de-merits, application areas, differentiation between similar techniques without going into theoretical approach of drawing waveform patterns, circuits, formula derivations. The objective is to understand new technologies and the applications these open up, which will enable them to put these new application into plan and take to custome level as products. Hardware and Engineering aspects are not aimed at.
1	INTRODUCTION TO MANAGEMENT Basics of Management: Planning, organizing, Controlling, Leading, staffing, Line & Staff. Decision making process. MBO Business Communication, presentations, Official Correspondence Personality, time management, skills development, Networking Effectiveness. Plans, Budgets and self performance compared with targets. MIS. Committees & Group Decision making, Leadership Styles, Motivation Theories Books: Koontz, Harold and Weijrich, Heinz: Essentials of Management: an Indian perspective. TMG Weihrich Heinz and Koontz, Harold: Management: a global perspective. TMG Koontz, Harold & others: Principles of Management: TMG
2	Drucker Peter F: Management: Tasks, Responsibilities and Practice. Allied Business Communication: Dr N Vashishtha, Dr Namita Rajput MARKETING MANAGEMENT
3	Concepts of present day marketing Analyzing markets, Segmentation in Business and consumer markets. Developing strategies and plans. Advertising, Sales Promotion, Publicity, Personal Selling, Direct Marketing, e-commerce. Product Planning: Marketing plan, Creating Brand Equity, Competition and Strategy, Product Strategy, Cost and Price. Pricing Strategies Distribution Channels: Role of partners. Franchising Marketing Budgets: investments, recurring, MIS. Marketing research (Qualitative coverage) Primary and Secondary research Surveys. Advertising research References Marketing: Philip Kotler BUSINESS SKILLS DEVELOPMENT Emotional and Intelligence Quotients. Communication Presentation Working in teams Time Management Negotiation Skills Multicultural and Diversity environment Stress Management
4	INFORMATION TECHNOLOGY Introduction to computers and devices: Main Frame, Mini, PC, Storage devices, Client Server. IT infrastructure in industries. WORD, EXCEL, Power Point, MS: Project management. IT Systems in Industry: Operating systems / Database management Overview of Application software and ERPs CRM

Smart card Technology, Time Attendance Systems Management Information System References: Mastering Microsoft Office XP: Gini Courter & Annette Marquis Elements of Computing Systems :Noam Nisan and Shimon Schocken: Prentice Hall Fundamentals of Information Technology: Deepak Bharihok (Excel) Introduction to Computers :Peter Norton (TMG) FINANCIAL MANAGEMENT Introduction to Accounting Practices, Maintenance of Accounts, Documents. Company Law. Accounting standards. Balance Sheet and Profit & Loss Account, Ratio Analysis Costing Working Capital Requirements Planning & Budgeting Inventory Management: ABC Analysis. Banking Instruments, Insurance Capital Investments, Structure, Return On Investment Project Finance, Business Plan, Sensitivity Analysis CAPEX, OPEX Models: managed services, per port pricing, strategies to reduce manpower costs, reduce impact of old equipment, use of outsourcing technology / switching or transport operations for application of new equipment and technologies References: Khan M. Y. & Jain, P. K.: Financial Management: Text, Problems & Cases.New Delhi, Tata McGraw Hill Prasanna, Chandra: Financial Management: Tata Mc Graw Hill **BUSINESS ENVIRONMENT** A) REGULATORY FRAMEWORK Indian Telegraph Act Wireless Telegraph Act National Telecom Policy 1994 New Telecom Policy 1999 Frequency Spectrum Application Allocation TRAI ANSI, European Specifications organisations ITU Telecom Associations Consumer Protection Act and Regulatory Bodies. FDI, FERA acts, control by Ministries and Reserve bank Taxation in India: Excise, import, export, local, state and central taxes Labour Law, Shop and Establishment Act. B) IMPORT EXPORT & LOGISTICS Import Tariffs Import and Export Management: Regulations Procedures; Documentation Export control and Policy, Import policy for exporters.

Export Incentive Schemes: DEPB, export credits

Export Processing Zones; Special Economic Zones

Taxes: Import duty, VAT, service tax, sales tax, octroi

References:

5

6

*Import Export Policy Handbook: Jain Publishing *Logistical Management: Denald Bowersox and David Closs, TMG

*Business Logistics / Supply Chain Management Ronald Ballou

*New Directions in Supply Chain Management: Technology, Strategy &

Implementation By Tonya Boon, Ram Ganeshan

*Logistics Supply Chain Management Text and Cases: Anurag Saxena and Kaushik Sircar



COMMUNICATION NETWORK & TELEPHONY History of Telecom, Telegraph, Telephony manual connection. Nature of Speech. Representation as synthesis of multi frequency waveform. Bandwidth and Capacity. Analogue Modulations: AM, FM, PM Broadcast Audio and Television Noise: Signal to Noise Ratio Quality of a Channel: Clarity, Speed. Digitisation of wave form, Speech Digitisation Pulse Code Modulation. Radio Frequency Spectrum and applications in different bands. Media: Twisted pair, Coaxial cable, Optical Fibre, Microwave, Radio, Satellite Reference: Communication Networks : Sumit Kasera, Nishit Narang and Sumita Narang 8 WIRELESS TECHNOLOGIES Mobile Radio Propagation; Large scale Path Loss Small-Scale Fading and Multi-path Private radio networks for police, airports, irrigation, refineries using simplex and duplex communication. 2. GSM The Cellular Concept, System Fundamentals Modulation Techniques for Mobile Radio Equalization, Diversity, and Channel Coding Understanding hand-off, interference, trunking. Cell Splitting and sectoring in GSM, Spread Spectrum Techniques, Frequency Hopped Multiple Access 3. Packet switching X.25 protocol Signalling System: SS7 5. Network Planning and RF Optimization explanation of terms: Quality of Service, Traffic Models, Network Optimisation and Mobility Management 6. INTRODUCTION TO TECHNOLOGIES Frequency bands available, basic standards, geographical usage, merits, demerits: GSM, CDMA, GPRS Circuit-switched networks Packet switching technology and networks IMS - a unified architecture for third generation mobile telephony: IMT 2000 Application areas opening up in 3G 3G Types: Universal Mobile Telecom System, WCDMA Blue Tooth, Wi Fi, Wi-Max MVNO: System, need and features References: -Wireless Communications principles and practice: Theodore S Rappaport: PHI Learning private ltd. -Wireless Network Evolution 2G to 3G: Vijay Garg: Pearson -Wireless Data Technologies: Vern A Dubendorf: John Wiley -Mobile Cellular Telecommunications: William CY Lee 9 TELECOM SYSTEMS & NETWORKS- I Current technologies Prevalent status of technologies in network Block Diagram of a Telecom Network. Signalling, Routing 2. Transmission, Signalling: SS7, IPV4 & IPV VI, VOIP Networks: Introduction to Packet Network Signalling Protocols 3. Communication Media Communication Media: Copper, Fiber, Radio Satellite Communication Services: Phone, Radio, TV services, Educational Different Satellite services: Intel at, INMARSAT, USA, European 4. Carrier Access: Customer-to-Carrier Connections (E1, ISDN) Broadband Access (DSL, ADSL, VDSL2)

5. Applications of Internet Protocol Multimedia 3ystem: Presence services, Full Duplex Video Telephony, Instant messaging, Unified messaging, Multimedia advertising, Multiparty gaming, Video streaming , Web/Audio/Video Conferencing, Push-to- services 7. 4G or Fourth Generation Networks: Drivers for evolution 3G to 4G SONET, SDH, Frame structure and working Multiplexers WDM (wave Division Multiplexing) Optical Transport Network USER SIDE EQUIPMENT & APPLICATIONS Telephone instruments, Fax, Key Systems Internet devices: Phone instrument, PC based radio, TV, Cable TV, Digital TV broadcast, Satellite TV Mobile Phones, GPRS, 3G, multi-media applications Growth of multimedia and value added applications in Japan and India Blackberry, Access of email on mobile devices, value added applications Credit Card payment procedure by Banks: Secured payment process Telecom Applications in Tourism, ticketing, reservations, bank Automatic Teller Smart Card Technology and applications: RFID, SIM, Retail, logistics - cargo container location and tracking Satellite phone and applications Use of Satellites in Education Broadband at home from service providers: applications and trends, use in education Communication with certified security. TELECOM SYSTEMS & NETWORKS-II 11 9. Data Communications and Packet-Switched Networks: Protocols, transporting data between networks 10. Migrating Voice from Circuit-switched to Packet-Switched Networks 11. Carrier Data Services IP-Based Routing, Frame Relay, Connecting to Frame Relay Networks, Switching frames through the Network Asynchronous Transfer Mode, Using ATM as a backbone for Frame Relay Changeover from Frame relay and ATM to MPLS and IP handling protocol change 12. Remote Access Virtual Private Networks (VPNs) Types of VPNs Internet-Based Remote VPNs Internet Protocol Security :Encryption Modes for IPSec, Transport and Tunneling Secure Sockets Layer (SSL): Payment Systems in banking. Video Technology and Services 14. Trends in Mobile Wireless Services GSM/GPRS/EDGE Networks International Mobile Telecommunications-2000 (IMT-2000) Universal Mobile Telecommunications System (UMTS) Standards Mobile Radio Technologies: Push-to-Talk. Subscriber Identity Mobile Networks. 15. Fixed Mobile Convergence (FMC): Application Benefits of FMC Wireless Operator's Strategy 16. Worldwide Interoperability for Microwave Access (WiMAX) IP Multimedia Subsystem (IMS) Reasons, Functions, Architecture, Carrier Adoption of IMS of IMS

	Applications and Services Supported: POC , Unified Messaging, Instant Messaging (IM) , Web-Based Audio/Video Conferencing, gaming etc				
1 1 1 1 2 1					
12	NETWORKING				
	1. Network Components: Switches, Routers &c				
	2 Network Functions, Standards and Protocols				
,	3. Media: UTP Wiring, Fiber Optic Cabling Systems, Wireless Networking				
	4.Ethernet : 10,100,Mbps and1,10 Gbps				
	5.Switch Operation Overview: Flooding, Forwarding and Filtering Process				
	Switch Loop Port Security Spanning Tree Algorithm, VLAN Overview				
	6. Network Layer Process Overview, Session Handling Process, Supporting				
	Processes				
	7. Net BIOS and Net BEU, Net BIOS over TCP/IP				
	8. Security				
	Network Security Overview: Authentication, Encryption, Intrusion Detection Systems				
	Content Filtering: Firewalls, Personal Firewalls, Packet Filters, Proxy				
	Servers, Statewide Inspection Firewalls				
	Security Levels: Single, Double, Triple Protection				
	VPN				
	Develop a Security Plan: Vulnerability Assessment				
	9. User and Manager Processes: Terminal Emulation, File Transfer, E-Mail, Web				
	blowsing, URL, Network Management				
	10. Wireless LANs, Wi-Fi: Spectrum, components, security regulations.11. Networking Advances: IP Wireless and Video				
	TVII Cless and Video				
13	OPERATIONS MANAGEMENT				
	Billing Systems and commercial software				
	Understanding Contractual Terms				
	Tariff & Service Guide Relationships General Terms & Conditions				
	Base Rates Discount Rate Structures Borneston April 1				
	Base Rates, Discount Rate Structures, Percentage Application, Volume achievement				
	Fixed Rate Costs				
	Credits & Provisional Waivers				
	Validate Service Installation Service Location Continuity				
	Service Location Continuity Service Location Identification				
	Cost Allocations				
	Voice Line Checks				
	Traffic Analysis				
	Service set-up				
	Service policy				
	Disaster avoidance plan Disaster management plan				
	Maintenance contracts, budgets, expenses				
	duality Of Service				
	Feedback to marketing, engineering				
	Dreakdown, Quality analysis				
	Plan for service improvement				
	Outsourcing select operations for reducing costs: Call centre, Billing, collection,				
	Outsourcing towers and maint				
	Outsourcing towers and maintenance Annual Technology plans				
	I Product Designs				
	BPO, KPO, LPO, Call centre service madal.				
. ,	BPO, KPO, LPO, Call centre service models, Billing models				
	BPO, KPO, LPO, Call centre service models, Billing models				

SERVICE MANAGEMENT MANAGEMENT INFORMATION SYSTEM Creating and maintaining a good MIS Invoice validation, error correction, and budget protection Contract negotiations and contract lifecycle management Managing service provider relationships and resolving disputes Service level agreements, service credits, SL Track-sheets, Up-time A)RECORD MANAGEMENT Record Essentials: Service Location Identification, Service Provider catalogues, Invoice Listing, Service Detail Listing, Contracts Mining Service Details: Invoices, Identifying Service Components Customer Service Records, Analyzing Details Capturing Contract Catalogue Details Contract Duration Dates, Commitment Volume(s), Protection clauses, Service Level Agreements, Contract & Invoice Interpretation B) ANALYSIS OF COSTS Recurring Costs, Usage Costs, Traffic Types Taxes, Surcharges & Fees Installation, Provisioning: One-Time Fees, Equipment Leases One-Time Adjustments: Tariff Adjustments, Credits C) UNDERSTANDING CONTRACTUAL TERMS Tariff & Service Guide Relationships: General Terms & Conditions, Base Rates, Discount Rate Structures: Percentage Application, Volume Attainment Discounts, Fixed Rate Costs Credits & Provisional Waivers D) Using Analysis Tools & Templates Defining Data Field Requirements, Building Analysis Templates E)INVOICE-TO-CONTRACT ANALYSIS & VALIDATION F) BILLING ERRORS: Correcting, Resolving, Preventing disputes G) SERVICE PROVIDER RELATIONSHIP MANAGEMENT H) CONTRACT NEGOTIATIONS, CONTRACT LIFECYCLE MANAGEMENT & BUDGET MANAGEMENT I) BUDGET MANAGEMENT Use past Reports to establish Historical Trending, Future Planning Analysis of Change: Impact on Budget, Contracts, Technical Requirements Documenting Budgets: Organizational Change, Changes in Usage, Changes in technology J) DOCUMENTS, REPORTS & MIS 15 QUALITY MANAGEMENT Development of Quality Management: Deming, Juran, Ishikawa, Crosby, Taguchi, Six Sigma. Quality Planning, Quality Control, Management of Process Quality, Productivity, Total Quality Management, Continuous Process Improvement, Supplier Partnership, Quality Re-engineering, Customer Satisfaction, Service Quality. Retention of customers, Benchmarking, ISO 9000, JIT, Management Tools Total Quality Management, Six Sigma, Training as a tool. Customer Service, Customer focused marketing, Customer Service Capability: Availability: Operational Performance, Reliability, Customer Satisfaction Cost-Effectiveness References: Total Quality Management: JE Ross Total Quality Management: DH Besterfield, CB Michna: Prentice Hall. 16 PROJECT Project connected with the course 17 TRAINING / PROJECT The student will take up training in the industry. He will prepare a journal with nonconfidential write-up which will be certified by the guide.

Marks will be given on the journal and a viva-voce exam.



References.:
Many standards are best given in websites of respective institutions.
Many standards are best given in websites of respective institutions. References. Many standards are best given and Beyond: Willie V. (John Wiley) ons) Broadband Wireless Mobile:3G and Beyond: Willie V. (John Wiley) ons) Cable Communications Tech : Bartlett E.R. (McGraw Hill) HSDP/HSUPA for UMTS: Holma Harri (John Wiley and Sons) Mobile Communication Hand book : Gibson J.D. (CRC Press) Radio Network Planning and optimization for UMTS: Laiho J.(John Wiley and Sons) UMTS Networks Planning and Development : Braithwaite Chris Wireless Data Technologies: Dubendorf V.A. (John Wiley and Sons) Satellite communications : Roddy Dennis (TMG) Wireless Network Evolution : Garg Vijay K. (Pearson Education) Communication Networks Principles & Practice : Kasera Sumit (TMG) Web Technologies : Godbole Achyut (TMG) Optical Fiber Communications : Kesier Gerd (TMGI) Mobile communication Engineering : Lee William C.Y. (TMG) Management Information System : Davies Gordon D. (TMG) Management Information System : Haag Stephen (TMG) 2.5 G Mobile Networks GPRS & EDGE : Kasera Sumit (TMG) Wireless Communication Principles and Practice : Rappaport T.S. (Prentice Hall Operations management : Chase Richard B. (TMG) Electronic Communication System : Kennedy George (TMG) Data Communications & Networks : Godbole A. S. (TMG) Analog & Digital Communication: Hsu H.P. (TMG) Television & Video Engineering: Dhake A.M. (TMG) Local Area Networks : Kesier Gerd (TMG) Communication Networks : Garcia A.L. (TMG) TCP / IP Protocol Suite: Forouzan B.A. (TMG) Data Communications & Computer Networks : ISRDA Group (TMG) Data Communication & Networking : Forouzan B.A. (TMG) Local Area Networks: Forouzan B.A. (TMG) Mobile Cellular Telecommunication: Lee W.C.Y. (TMG) Management Information System: Jaiswal M. (Oxford University Press) Fundamentals of Information Technology: Bharihoke D (Excel Books) Operating System: Deitel H.M. (Pearson Education) Quantitative Research Methods for Communication: Wrench J.S(Oxford University Cases in Management Information system: Mohapatra S (Prentice Hall) Service Marketing: Srinivasan R. (Prentice Hall)

11/02/2009

FEES STRUCTURE

P.G. DIPLOMA IN TELECOM MANAGE SEMESTER NO. OF STUDENTS	EMENT	
	1	2
	Rs.	Rs.
TUITION FEES		
LIBRARY FEES	21300	23500
EXAM. FEES	200	200
LAB FEES	800	800
JOURNAL		
INPLANT		
STUDY MATERIAL	200	200
COMPUTER	500	300
PLACEMENT	1000	
PG REGISTRN FEES	1000	
	825	
ECHARGES	20	
ELIGIBILITY/ENROLMENT	220	
GYMKHANA	125	
TOTAL FEES	26190	25000
LIBRARY DEPOSIT	100	