



UNIVERSAL INSTITUTE OF COMPUTERS & TECHNOLOGY

A-18, SECTOR 62, NOIDA 201301

UNIT OF UNIVERSAL EDUCATIONAL SOCIETY (UES)

(REGISTERED UNDER SOCIETY REGISTRATION ACT XXI OF 1860)

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2 HOW TO BE HAPPY IN THE LIFE

Integration of **KARMA, GYAN, BHAKTI & RAJ**



To bring Excellence and Professionalism in Governance Including in Research & Development



1 ABOUT UES

1.1 GOALS

To impart education (Academic, Vocational, professional & Technical) in Delhi as well as in adjoining areas covered by National Capital Region.

1.2 AIMS & OBJECTS

- A** To open and develop educational institutions from pre-primary stage to higher education including vocational and technical education.
- B** To open institutes for following purposes:
- (i) To provide and propagate (i) Technical education, (ii) Vocational Education, (iii) Professional education, (iv) Art & Design including Fine Arts education (v) Leisure & Tourism education, (vi) Health & Social care education, (vii) Primary Sector and allied subjects including bio-technology and bio-diversity, (viii) Basic Sciences, (ix) Applied sciences at Macro, Meso & Micro levels.
 - (ii) Different course in various disciplines at diploma, advance diploma and degrees (Graduate and Post Graduate), Ph.D. levels in India and Abroad.
 - (iii) To impart education on (i) Traditional Systems, (ii) Modern System (iii) Distance education / on Line System, (iv) Vocational System & (v) any other system.
 - (iv) The Society (UES) may start some other courses like the following:
 - (a) Spatial Planning
 - (b) Environment Planning
 - (c) Emerging Technologies
 - (d) Fine Arts

3 ABOUT UICT

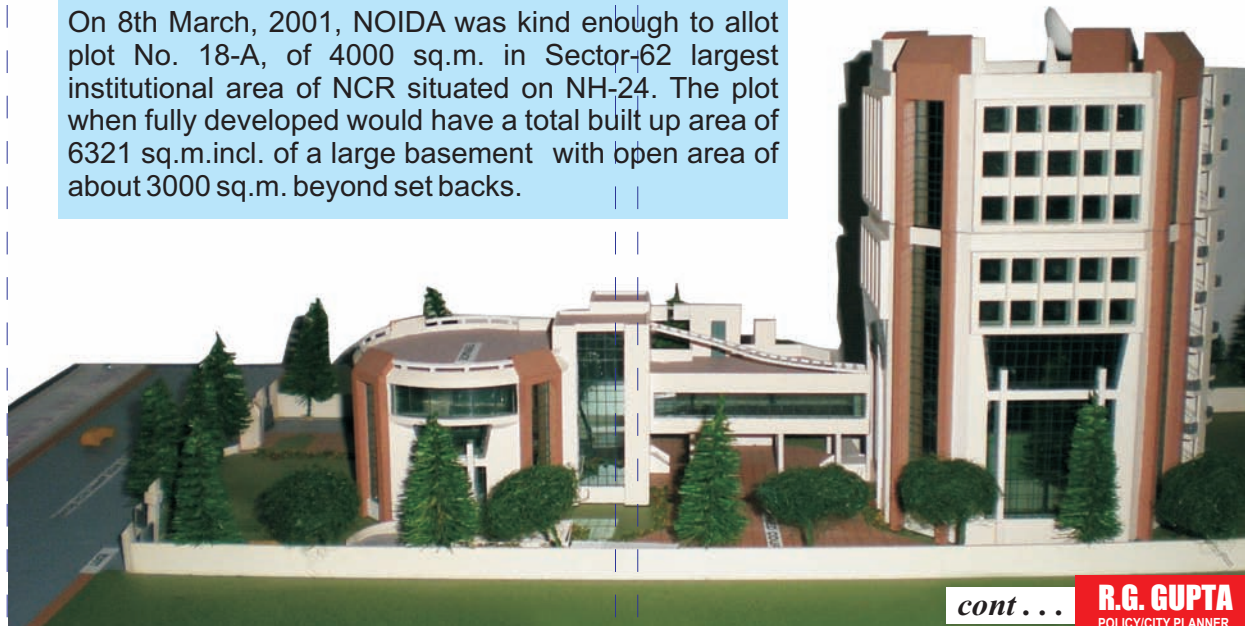
Universal Institute of Computer Technology is a part of **UNIVERSAL EDUCATION SOCIETY** which was Registered in 1980. As such it is semi Govt. organization. This institute is legally allowed by IGNOU to conduct the classes for various courses offered By the University as per the agreement made with them. It was started in sept. 1999 with a view to started Courses which are must for everyone.

4 PROGRAMMES OF IGNOU OFFERED AT UICT (1999-2012)

1	MCA	(Master of Computer Application)
2	BCA	(Bachelor of Computer Application)
3	BIT	(Bachelor of Information Technology)
4	ADIT	(Advance Diploma in Information Technology)
5	CIC/CIT	(Certificate in Computing / information Technology)
6	MBA	(Master of Business Administrator)
	—	DIM (Diploma in Management)
	—	PGDIM (Post Graduate Diploma in Management)
	—	PGDHRM (Post-Graduate Dip.in Human Resource Management)
	—	PGDFM (Post-Graduate Diploma in Financial Management)
	—	PGDOM (Post-Graduate Diploma in Operation Management)
	—	PGDMM (Post-Graduate Diploma in Marketing Management)
7	ACPDM	(Advance Certificate in Power Distribution Management)
8	BBAR	(Bachelor of Business Administration Retailing)
9	DIR	(Diploma in Retail)

5 LOCATION OF THE INSTITUTE

On 8th March, 2001, NOIDA was kind enough to allot plot No. 18-A, of 4000 sq.m. in Sector-62 largest institutional area of NCR situated on NH-24. The plot when fully developed would have a total built up area of 6321 sq.m.incl. of a large basement with open area of about 3000 sq.m. beyond set backs.



cont . . .

R.G. GUPTA
POLICY/CITY PLANNER

6 NUMBER OF STUDENTS IN DIFFERENT PROGRAMME

Year	2012		2011		2010		2009		2008		2007		2006		2005		2004		2003		2002		2001		2000		1999
SESSION	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1
MCA	288	240	271	331	238	270	174	226	232	265	222	239	223	262	160	151	-	45	-	-	411	-	-	-	-	-	-
BCA	166	193	274	224	483	285	594	540	604	597	498	584	242	465	164	306	214	266	178	130	246	174	-	-	-	-	-
BBA (Retail/DIR)	127	100	100	98	61	152	76	61	-	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACPD	6	20	-	9	12	14	5	14	-	5	69	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CIC/CIT	-	-	-	-	-	-	37	11	32	104	54	118	30	84	40	64	22	15	23	21	169	75	80	90	176	66	-
MBA	-	-	-	-	-	-	494	0	468	505	381	382	152	307	52	88	-	-	-	-	-	-	-	-	-	a	-
BIT	-	-	-	-	-	-	-	-	-	-	18	-	-	45	-	42	-	111	-	234	-	385	-	447	-	303	122
ADIT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	10	-	43	-	52	59	
TOTAL	587	553	645	662	794	721	1409	886	1375	1574	1242	1367	647	1163	416	651	236	437	201	391	826	644	80	580	176	421	181

7 NUMBER OF STUDENTS IN DIFFERENT PROGRAMME

BACHELOR OF COMPUTER APPLICATION (BCA)

Eligibility 10+2 or its equivalent.

Duration Min. Duration: 3 Years, Max. Duration: 6 Years

Course Fees As per IGNOU fee structure

SEMESTER - 1	Course Code	COURSE NAME
	FEG-02	Foundation course in English -2
	ECO-01	Business Organization
	BCS-011	Computer Basics and PC Software
	BCS-012	Mathematics
	BCSL-013	Computer Basics and PC Software Lab

SEMESTER - 2	Course Code	COURSE NAME
	ECO-02	Accountancy-1
	MCS-011	Problem Solving and Programming
	MCS-012	Computer Organization and Assembly Language Programming
	MCS-015	Communication Skills
	MCS-013	Discrete Mathematics
	BCSL-021	C Language Programming Lab
	BCSL-022	Assembly Language Programming Lab

SEMESTER - 3	Course Code	COURSE NAME
	MCS-021	Data and File Structures
	MCS-023	Introduction to Database Management Systems
	MCS-014	Systems Analysis and Design
	BCS-031	Programming in C++
	BCSL-032	C++ Programming Lab
	BCSL-033	Data and File Structures Lab
	BCSL-034	DBMS Lab

SEMESTER - 4	Course Code	COURSE NAME
	BCS-040	Statistical Techniques
	MCS-024	Object Oriented Technologies and Java Programming
	BCS-041	Fundamentals of Computer Networks
	BCS-042	Introduction to Algorithm Design
	MCSL-016	Internet Concepts and Web Design
	BCSL-043	Java Programming Lab
	BCSL-044	Statistical Techniques Lab
	BCSL-045	Algorithm Design Lab

SEMESTER - 5	Course Code	COURSE NAME
	BCS-051	Introduction to Software Engineering
	BCS-052	Network Programming and Administration
	BCS-053	Web Programming
	BCS-054	Computer Oriented Numerical Techniques
	BCS-055	Business Communication
	BCSL-056	Network Programming and Administration Lab
	BCSL-057	Web Programming Lab
	BCSL-058	Computer Oriented Numerical Techniques Lab

SEMESTER - 6	Course Code	COURSE NAME
	BCS-062	E-Commerce
	MCS-022	Operating System Concepts and Networking Management
	BCSL-063	Operating System Concepts and Networking Management Lab
	BCSP-064	Project

MASTER OF COMPUTER APPLICATION (MCA)

Eligibility Any graduate from a recognized university. However, the students who have not pursued Mathematics as a distinct subject at 10+2 are required to pursue and pass the CS-60 course concurrently.

Duration Min. Duration: 3 Years, Max. Duration: 6 Years

Course Fees As per IGNOU fee structure

SEMESTER - 1	Course Code	COURSE NAME
	MCS-011	Problem Solving and Programming
	MCS-012	Computer Organisation and Assembly Language Programming
	MCS-013	Discrete Mathematics
	MCS-014	Systems Analysis and Design
	MCS-015	Communication Skills
	MCSL-016	Internet Concepts and Web design (Lab Course)
	MCSL-017	Lab (C and Assembly Language Programming) (Lab Course)

SEMESTER - 2	Course Code	COURSE NAME
	MCS-021	Data and File structures and Programming
	MCS-022	Operating System concepts & Networking Management
	MCS-023	Introduction to Database Management Systems
	MCS-024	Object Oriented Technology and Java Programming
	MCSL-025	Lab (Data Structures using C, WINDOWS 2000, LINUX / UNIX, Java and MS ACCESS, My SQL)

SEMESTER - 3	Course Code	COURSE NAME
	MCS-031	Design and Analysis of Algorithms
	MCS-032	Object Oriented Analysis and Design
	MCS-033	Advanced Discrete Mathematics
	MCS-034	Software Engineering
	MCS-035	Accountancy and Financial Management
	MCSL-036	Laboratory Course (For Object Oriented Analysis and Design, Software Engineering and Accountancy and Financial Management)

SEMESTER - 4	Course Code	COURSE NAME
	MCS-041	Operating Systems
	MCS-042	Data Communication and Networks
	MCS-043	Advanced Database Management Systems
	MCS-044	Mini Project
	MCSL-045	UNIX and ORACLE LAB

SEMESTER - 5	Course Code	COURSE NAME
	MCS-051	Advanced Internet Technologies
	MCS-052	Principles of Management and Information Systems
	MCS-053	Computer Graphics and Multimedia
	MCSL-054	Lab (based on MCS-051 & 053)

ELECTIVE COURSES	
MCSE-003	Artificial Intelligence and Knowledge Management
MCSE-004	Numerical and Statistical Computing
MCSE-011	Parallel Computing

SEMESTER - 6	Course Code	COURSE NAME
	MCSP-060	Project

8 LIST OF IMPORTANT PROJECT OF MCA/BCA/BIT

APPLICATION DEVELOPMENT PROJECTS

1. Cricket Training Management System
2. Conference Room Booking
3. Hockey Club Management System
4. Personal Mobile Assistant
5. Counseling System
6. Simulator of Bus Network
7. Search engine for Movies and Songs
8. Songs Search Engine
9. On-line examination
10. Online Course Management
11. Online Admission System
12. Online Book Order Processing System
13. Banquet Hall Booking website

R.G. GUPTA
POLICY/CITY PLANNER

B.Sc.; B.Arch (G.Md)
Master Urban Planning; SPA - Delhi
P.G. Dip (R.D.P.) Netherlands
F.I.E; F.I.T.P; F.I.I.A.; F. Amda.
Member- IRC, IBC, IIPA, ISRS, CIT (India)

JYOTI

MCA, MBA (HR)
Programme Incharge
IGNOU Study Centre

9 FACILITIES AVAILABLE AT UICT

- 1 UICT having 190 terminals with latest configuration & Licensed Software on all terminals
- 2 Structured network LAN Managed by Expert Hardware & Networking Professionals with 24x7 accessible dedicated 2 Mbps Broadband Internet Connection & Wi-Fi Network.
- 3 Over 50000 square feet of covered area comprising classrooms, Seminar Halls, computer labs, library, Party etc.

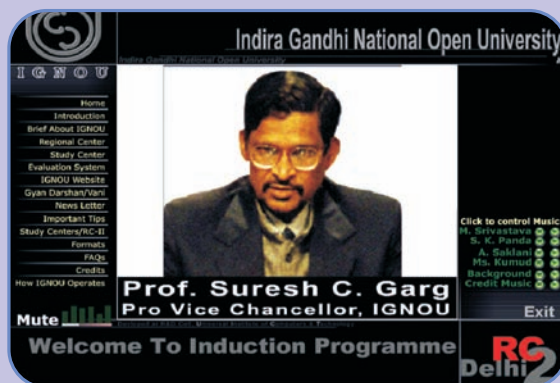
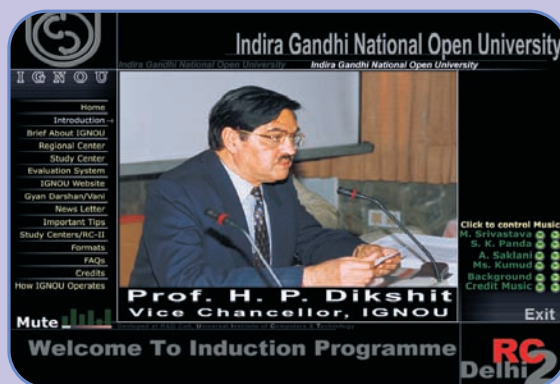
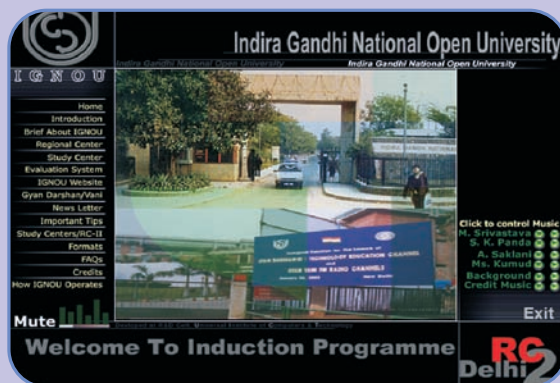
- 4 More than 6000 Books & Magazines in Library.
- 5 Computers are highly configured for Advanced Software Projects
- 6 Educational Facility Available for Teleconferencing & Video Conferencing
- 7 Electronic Library available with more than 100 CD's of Computers & Management Programmes.
- 8 All classes equipped with Computer & Projector Facility

10 TOTAL NUMBER OF ASSIGNMENT SUBMISSION 2005 – 2012

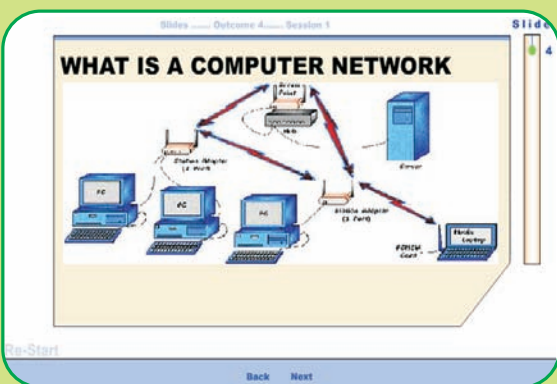


11 PRESENTATION DEVELOPED BY UICT AT R & D CELL & FUNCTION

IGNOU INDUCTION LECTURE WITH RC-2

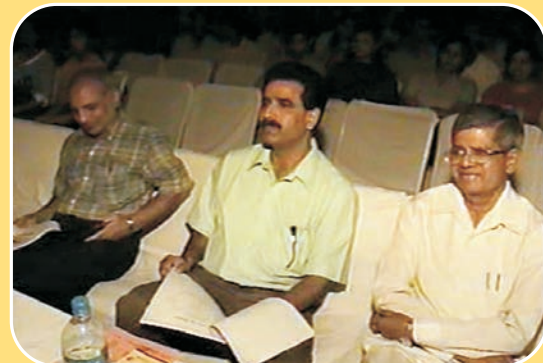


BIT COURSE CD



12 QUIZ CONTEST HELD 2003

Mega Quiz Bitians – IGNOU On 19th October 2003 (Sunday)
Venue : UPS Campus, Block-A Preet Vihar Delhi -110092

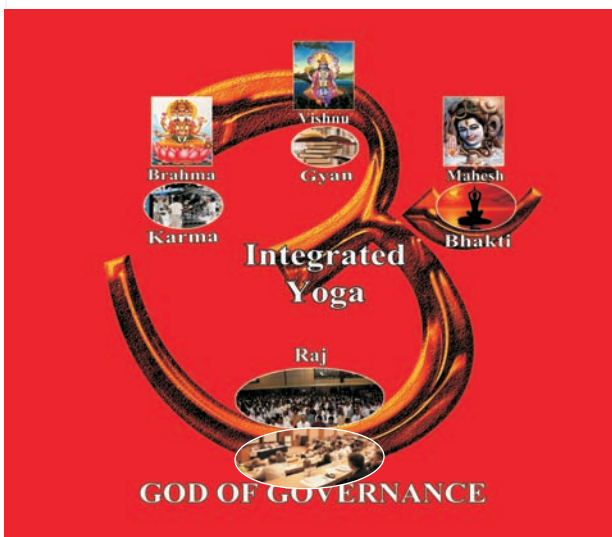




Keys of Governance



To bring Excellence and Professionalism in Governance
 KARMA, GYAN, BHAKTI & RAJ
 Research, Development & Integration in



13.1. NECESSITY OF THE INSTITUTE
 Research & Development in Infrastructure (Physical, Social, Economic, Ecological, Emergency), Circulation and Character.

MAIN OBJECTIVES

- To improve availability of infrastructure.
- To complete Mega projects in time.
- Software for Governance of Infrastructure.
- To bring E. Governance and M. Governance to reduce corruption.

THIS WOULD BE DONE WITH THE HELP R & D

2. SPECIALTY OF THE INSTITUTE

(Part of Registered Society)
 (Open for all regardless race, religion, caste & the area)

1. To full fill Main Objective as on pre-page FOR THIS

- Graduation & PG courses.
- Also a Research Institute.
- Research activities to be funded by UGC & other bodies.
- Would formulate models for different Subjects of Infra. / areas of NCTD & NCR

3. Applications, oriented to Sr. administrative personnel & public representatives, (Policy makers).

4. Areas of specialization through innovative program for Governance of Infrastructure

- Social** – 7 (education, health, security, safety, justice (inc. elections), shelter & recreation)
- Physical** – 9 (water, sewer, drainage, SWM. power, road, rail, water ways & airways)
- Ecological** -4 (to stop control water, air, noise & soil pollutions)
- Economic** –2 (to increase per capita income & GDP)
- Emergency** 4 (floods, earth quake, draught & tsunami)
- Character** - 52
- TOTAL** - 78

5. Provisions given in the Universal Educational Society (Registered under the Act.)

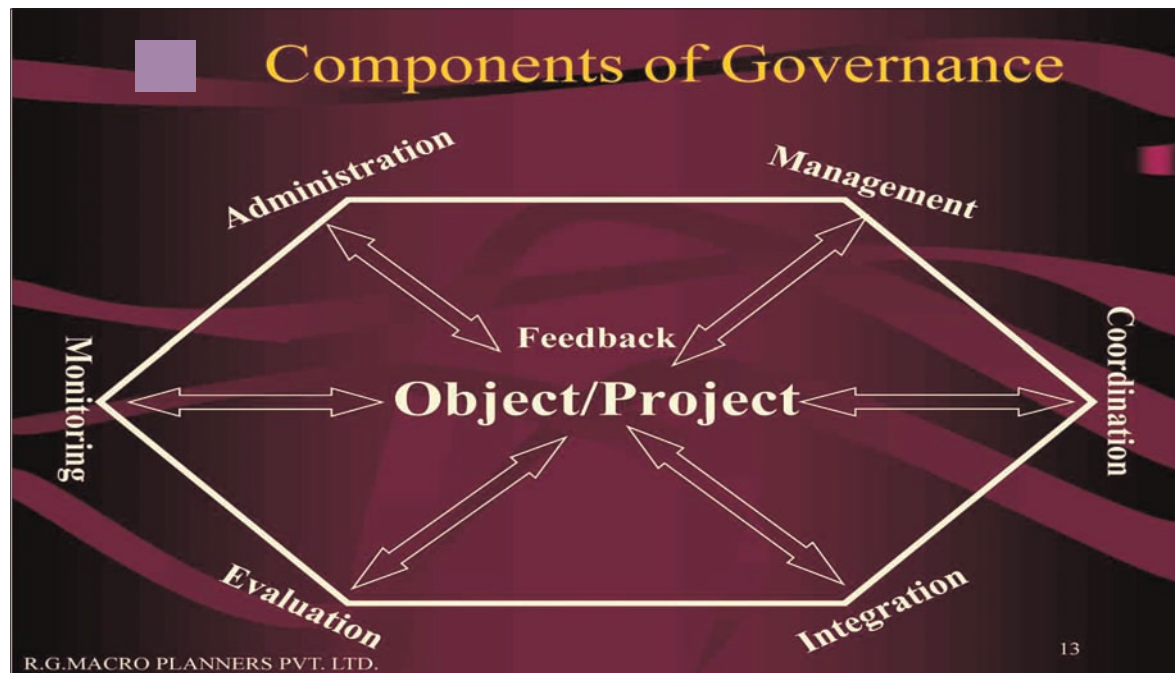
- To provide & propagate (i) Academic, (ii) Professional, (iii) Technical & (iv) Vocational Education.
- Courses in various disciplines at diploma, degree & Ph.D Level in India & abroad.
- 23 types of courses (in UES) inc. IT, E. Governance, Management, Computers & Information Sciences, Spatial Planning, Environment Planning ETC.

13.2 "CONCEPT OF GOVERNANCE"

SUPER ADMINISTRATION

Process of decision-making, its implementation & feed back in Time. It covers Administration, Management, Coordination, Integration, Evaluation & Monitoring of Man, Nature, Networks, Structures & Society at Macro, Meso & Micro level of different land uses.

2. GOVERNANCE INCLUDES VARIOUS ACTIONS, PROCESSES & INSTITUTIONS, (FORMAL AND INFORMAL).

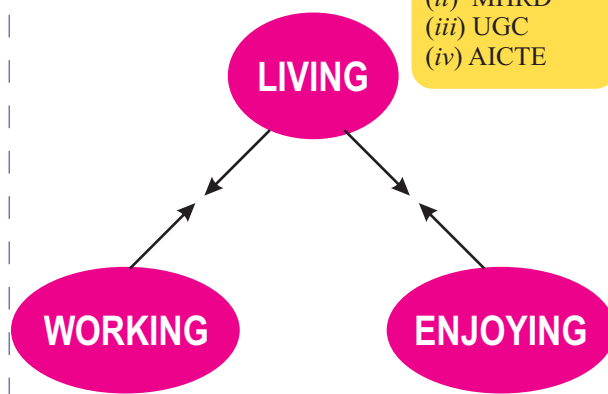


13.3 Policy Planning about Physical, Social, Economic, Ecological & Emergency Infrastructure at National, Regional, States, Local & Rural Levels

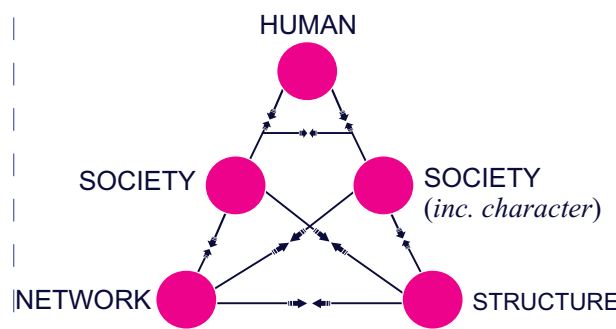
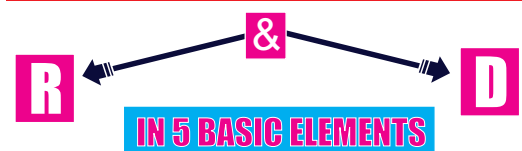
THEORY OF GOVERNANCE

Governance is to govern Human activities

- Actors :
- UES Society
 - MHRD
 - UGC
 - AICTE



THE FRAMEWORK FOR GOVERNANCE



Professionals & Gov. servants to be trained in skills. Should be key elements of professional edu.

The FRAMEWORK can be tackled with proper Planning (Physical & Financial), Coordination, Integration, Evaluation, Monitoring, Control & Governance with Private & Public participation in different Socio Economic sectors.

13.4 PHILOSOPHY OF GOOD GOVERNANCE

3 Activities ; *Living, Working & Enjoying*

5 ELEMENTS

Human | Nature | Networks | Society | Structure

3 FORCES/KEYS

Karam (work) | Gyan (knowledge) | Bhakti (plain Character)

26 DISCIPLINES (MACRO LEVEL)

Physical-9 | Social-7 | Ecological-4 | Economic-2 | Emergency-4

RESULTANT

Sachha Raj (Good GOVERNANCE) with proper Planning, Development, Coordination, Integration, Evaluation & Monitoring. Research & Development

13.5 SOFT WARE

GOVERNANCE DEPENDS LARGELY ON EDUCATION
(Quantity & Quality)

Up to 90's education was

- Single-track, static with few changes
- Inflexible/limited timings
- Stereotyped Institutions
- Lack of Research.



13.6 NOW EDUCATION IS IN THE PROCESS OF FLUX

- Multi-track & dynamic
- With more Intelligence Quotient, sharp minds & emerging knowledge
- Affected by Globalization & Information Technology

BUT IT STILL LACKS

- Moral & Spiritual Content
- Training
- Discipline, obedience, hard work, culture etc.
- Proper governance.
- Good Physical Structure.

Therefore... **DO RESEARCH TO GET IT**

PROPOSED PHILOSOPHY OF EDUCATION

R & D in Integrated Yoga / System

"4 COMPONENTS "

1. **Karma (To work)**
Everybody has karma ; Quality & quantity differs. Dignity & Self respect should be ensured & given due importance
2. **Gyan (Knowledge)**
Needs updating and in a continuous process
3. **Bhakti (Meditation / plain character)**
Dedication, devotion , faithfulness, sincerity & respects to others
4. **Raj (Governance)**
Observation with impartiality, punctuality, regularity & selflessness; Spending more resources on the Subject rather than on administration; with proper Coordination, Integration, Evaluation and Monitoring

FURTHER REQUIRES

Proper Coordinated "planning, Development & construction"

Supply should be equal to demand;

Even after 50 years of independence not able to fulfill the requirements of Infrastructure . One of the cause is lack of proper Governance.

Details of Infrastructure should be compiled on following points :

- Position at Macro, Meso & Micro Level :
- To draw a plan based on inferences .
- To formulate strategy .
- This should be done by Professionals, Public Representatives & Experts on the Subject (high level decision makers).

13.7 COMPONENTS OF IGI

(In collaboration / association with any recognised university)

Computer Courses

Management Courses

Courses of Governance of Infrastructure (Physical, Social, Economic, Ecological, Emergency)

How IGI will initiate courses

- Courses in Computers and management
- Emphasis on governance from the beginning .
- Initially Governance as a specialized course & subsequently PG degree courses.

LEARNING – NEW PHILOSOPHY

- (i) Self learning process,
- (ii) More Practical in computer & other labs,
- (iii) Access to Internet & web sites,
- (iv) Discussions between different types of groups,
- (v) Chat Sessions,
- (vi) Findings based on R & D,
- (vii) Computer aided teachings,
- (viii) Assignments on line,
- (ix) More priority to projects,
- (x) Educational channels,
- (xi) Internal tests and Exams, mostly online,
- (xii) Practical training in industry & other units,
- (xiii) Teachings on audio – video conferencing .

IT IS TO BRING PROFESSIONALISM IN GOVERNANCE

OUTCOMES—NEW PHILOSOPHY

Professionalism in Public life *
Reduction in un-scrupled behavior Development of poor & villages

WITH

1. Self Learning
2. Man making process with discipline
3. Creativity & excellence
4. Supreme confidence
5. Curriculum on multi-track path

Eight skills will also be developed, namely

1. 'Develop yourself'
2. 'Technology'
3. 'Communication'
4. 'Logics'
5. 'Comprehensiveness'
6. 'Creativity'
- 'Information Technology'
- 'Management & Integration of Art & Science'

SYSTEM OF THE INSTITUTE

1. Courses on Governance
One should pass any of the courses: B. Tech; MCA; MBA or M.Tech .
2. Computer & Management are two important tools to be learnt by every one.
3. Intensive delivery with 3 shifts a day; Night shift only for R & D Scholars for Governance courses.
4. 2400 students at a time.
5. Education by different types of counseling / learning.
5. The Course needs 2 years after B. Tech, MCA or MBA and only 1.5 year after M. Tech.
6. This is with breakup of 6 months for specialization in one of 26 governance courses, 1 year studies on governance in general & 6 months on a good project.

13.8 EXAMPLES OF PROJECTS OF SUPER MACRO LEVEL GOVERNANCE

- To link Highways of the country.
- To link Waterways of the country.
- To evolve Electronic Models to reduce & control corruption.
- To connect important Focal Points of one part of the city to other parts: For example TYA to western parts of Delhi .
- To increase Power from 1.4 lakhs MW to 2.0 lakhs MW for the Country.
- To solve the problems of Solid Waste Disposal.
- To rehabilitate squatters.
- To control commercial Ribbon development along the main roads .
- To get the Mega Projects of the Country implemented in time.
- To get MRTS projects in all metropolitan cities of the Country.

LIKE THIS THERE ARE HUNDREDS OF PROJECTS

MATRIX OF THE DELIVERY SYSTEM

Course	for	Name of course
Computer	any one	MCA, B.Tech., M.Tech.
Management	any one	MBA, (Finance, HRM, Marketing, Operations)

Governance	Past	(a) MLA's, MLC's, MP's Members of Nagar Nigam's/local bodies, Members of Panchayats Chairpersons of various Boards
	Present	
	Future	
		(b) Anybody who has PG Degree in one of the 26 subjects namely water, drainage etc.
		(c) Senior IAS with an experience of 15 years & above

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