

NOORUL ISLAM COLLEGE OF ENGINEERING

Kumaracoil, Thuckalay-629180, Kanya Kumari Dist., Tamilnadu, India



MANDATORY DISCLOSURE

for extension of approval for the year 2008-2009

Name of the Program : MASTER OF COMPUTER APPLICATIONS(MCA)

Submitted to

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION



INDIRA GANDHI SPORTS COMPLEX, I.P. ESTATE
NEW DELHI - 110 002
(Through SRO, Chennai - 600 006)

August 2007

MANDATORY DISCLOSURE

I NAME OF THE INSTITUTION : Noorul Islam College of Engineering,
Kumaracoil, Thuckalay-629 180
Phone: 04651-250266
Cell : 9443150266
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e-mail: nicenet@giasmd01.vsnl.com
nicenet@mailcity.com

II NAME & ADDRESS OF THE PRINCIPAL : **Dr.K.Thyagarajan,**
Noorul Islam College of Engineering,
Kumaracoil, Thuckalay-629 180
Phone: 04651-250266
Cell : 9443101931
Fax : 04651-257266, 250266
E-Mail :info@niceindia.com, nicenet1@vsnl.com,
nicenet@mailcity.com, nicedrkr@yahoo.com.

NAME & ADDRESS OF THE DIRECTOR : **Dr.M.Germanaus Alex**
Noorul Islam College of Engineering,
Kumaracoil, Thuckalay-629 180
Phone: 04651-250566
Cell : 9443222936
Fax : 04651-257266, 250266
E-Mail: mgalxus@yahoo.com

III NAME OF THE AFFILIATING UNIVERSITY : Anna University, Chennai.

IV GOVERNANCE :

❖ Members of the Board

Sl.No.	Name & Address	Designation
1	Dr. A.P. Majeed Khan, Chairman, Noorul Islam Educational Trust 10/47A, Near Telephone Exchange, Thuckalay	Chairman
2	Mr. G. M. Sha, Wakaf Board member, North Soorankudy, Nagercoil	Member
3	Mr. M.M. Ali, 24-53, Mekkapalayam, Mettukadai, Thuckalay	Member
4	Dr. Safeek Salim, 22, Camino Road, Harbone, Birmingham, U.K.	Member
5	Mr. Faharudheen Madhani, Principial, Noorul Islam Polytechnic, Thiruvithamcode	Member
6	Dr. V.P. Kulkarni, Former Director, ER&DC, Govt. of India, Trivandrum, Matruchhaya, Saptaranga Colony, Ullor ,TVM.	Member
7	Prof. Jaya Sankar, Former Principal, Govt. Engg. College, Trivandrum	Member
8	Prof. L. Srinivasan – Former Principal Govt. Engg. College, Cannanore, presently Director (purchase) N.I college of Engineering, Kumaracoil	Member

9	Prof. M.L. Narayanan – Former Principal, S.T. Hindu College, Nagercoil, presently Director (Grievance cell) N.I College of Engineering, Kumaracoil	Member
10	University Representative	Member
11	Dr. K. Thyagarajan (Ex-officio), Principal, N.I.College of Engineering.	Member Secretary

❖ Members of Academic Advisory Body

Sl.No	Name of the Professor & Qualification	Experience in years	Previous Post Held
1.	Dr. K. Thyagarajan , B.Sc. (Engg.). M.Sc.(Engg.). Ph.D (IIT, Madras)	38	Principal, RVS College of Engg. & Technolgy, Dindugal
2.	Dr.M.Germanaus Alex , M.Sc.(Computer Science)., M.Phil.(Computer Science)., Ph.D(Computer Science).	15	Professor, Noorul Islam College of Engineering, Kumaracoil, Tamilnadu
3.	Dr. R.S. Moni , M.Tech., Ph.D	36	Director of Technical Educaiton, Kerala State
4.	Dr. N. Chandrashekhar , B.E., Ph.D	36	Prof. & HOD of CSE, N.E.C. Kovilpatti
5.	Prof. L. Srinivasan , B.Sc. (Engg), M.S. (Cornell, USA)	47	Principal, Govt. College of Engg., Kannur
6.	Prof. M.L. Narayanan , M.A., B.Ed, M.Phil Director	41	Principal, S.T. Hindu College, Nagercoil.
7.	Dr. V.P. Kulkarni , M.Tech., Ph.D	41	Director, ER&DC, Trivandrum
8.	Dr. Kesavan Nair , M.Sc.(Engg.), Ph.D.	36	Professor, EEE Dept. Govt. College of Engg., Trivandrum
9.	Prof. M. Jeyasankar , M.Tech.	36	Principal, Govt. College of Engg., Trivandrum
10.	Prof. N. Sugunarajan , B.Sc. (Engg) M.Sc.(Engg.)	40	Professor, EEE Dept. Govt. College of Engg., Trivandrum
11.	Prof. K. Raveendran , B.Sc. (Engg), M.Sc. (Engg.)	37	Professor, Mech. Dept., Govt. College of Engg., Trivandrum
12.	Prof. K. Subramonia Iyer B.Sc.(Engg), M.Tech. (IIT, Madras)	42	Professor, EEE Dept. Govt. College of Engg., Trivandrum
13.	Prof. N.Sugathan . M.Tech.	33	Senior Scientist, ISRO, Trivandrum
14.	Dr. K. Gopala Krishnan Nair M.Tech., MBA, Ph.D	39	Principal, University College of Engg., Kariavattam, Trivandrum
15.	Dr. S. Narayanan , M.Sc.(Engg.), Ph.D	42	Principal, SCT College of Engg., TVM.
16.	Dr. Vijayan Baburaj.S. , ME, Ph.D. (aero Space)	17	Associate Professor, TSUKUBA University, Japan
17.	Dr. A.K. Rath , B.Sc.(Engg), ME, Ph.D	33	Group Head, STPG Aero Entity, VSSC, TVM
18.	Dr. S. Rama Iyer , M.Sc. (Engg), Ph.D	36	Prof. EEE Dept., Govt. College of Engg., TVM
19.	Dr. C. Ratnam Nadar , M.Sc., Ph.D.(Econometrics)	38	Professor (Head), T.N. Agrl. University, Coimbatore
20.	Prof. Sharma G.S.S. , B.Sc. (Engg.)	39	Chief Engineer(Trg.), STIT AIR & DD, Delhi

21.	Dr. S. Puspha Kumar , M.Tech., Ph.D	33	Principal, Govt.Engineering College, Kannur
22.	Dr. S. Hariharan , ME.(IISC), Ph.D.(IITM)	43	HOD(Mech), TVM, Engineering College.
23.	Dr. M. Zathick Ali , M.A., M.Com., MBA, M.Phil., Ph.D	32	Professor of Economics & Principal & Director of Management studies, Cheran Arts college, Kangayam, Erode Dist.
24.	Dr. P.N. Prasad , B.Sc.(Engg.), MBA., Ph.D	26	Faculty Member – SIRD, Kerala, Deputy Manager KSEDC,(KELTRON)

❖ Frequency of the Board Meetings : Once in three months

❖ Nature and Extent of involvement of faculty and students in academic affairs/ improvements.

- Faculty in this Department are motivated to publish papers in National & International level. Also they are encouraged to attend the National & International Conferences conducted by various reputed Institutions.
- As a means of enriching knowledge and improving the quality of teaching, faculty members are deputed for higher studies and for attending short term courses in relevant fields conducted by reputed Institutions.
- Apart from giving importance to academic performance, the Department encourages participation in co-curricular activities to bring out the talents in its students. The students in this Department have participated and won prizes in various competitions conducted by various organizations.

❖ Mechanism/Norms & Procedure for democratic/good Governance

For Good Governance powers are delegated to Principal, HOD's and faculty members.

❖ Students feedback on Institutional Governance/Faculty Performance

- A suggestion box is kept in front of the Principal's Office, and in all the buildings in the College Campus and College Hostel. Students can write their opinions, suggestions and other grievances in the put it in the suggestion box. The feedback will be discussed in the suggestion committee meeting and if it is a reasonable one it will be considered for implementation.
- Students feed backs are collected from each students in every semester in the AICTE prescribed format to analyze the performance of the faculties.

❖ Grievance Redressal Mechanism for faculty, staff and students

Prof. M.L.Narayanan former Principal of St.Hindu College, Nagercoil is the Director of Grievance Cell in this College. Is there any grievances to the

staff/faculties/Students they may represent it to the Director of Grievance Cell and he will discuss this matter to the Principal and Chairman and if it is a reasonable one it will be implemented.

V. PROGRAMME:

- Name of the programme approved by the AICTE : **Master of Computer Applications**
- Name of the programme accredited by the AICTE : **Master of Computer Applications**
- For each programme the following Details are to be given:
 - Name : Master of Computer Applications
 - Number of seats : 60
 - Duration : 3 years(Full time)
 - Cut off mark/rank for Admission during the last three years

Community	2004-2005		2005-2006		2006-2007	
	Minimum Marks	Maximum marks	Minimum Marks	Maximum marks	Minimum Marks	Maximum marks
OC	11.23	25.53	-	30.43	34.00	5.00
BC	6.33	29.33	12.9	30.13	41.00	2.667
MBC	11.00	24.00	12.86	19.30	18.333	18.00
SC/ST	Nil	Nil	Nil	Nil	13.667	-

- Fee : Rs. 25,000/- per year
- Placement facilities :

We have a full-fledged Placement and Training Cell with an Industry experienced Placement and Training Officer. The function of this cell is mainly to promote industry-institution interaction for the benefit of the students to carryout in-plant training and to undertake project as a part of their educational requirements. This cell provides the latest information to the students to update their knowledge to face competitive examinations and interviews. This cell is in constant touch with major industries all over India in order to provide job opportunities to the students who are in their final year.

- Campus placement in last three years with minimum salary, maximum salary and average salary.

Year	Number of students placed	Minimum salary per month	Average salary per month	Highest salary offered per month
2004-2005	25	Rs. 10,000/-	Rs. 12,000/-	Rs. 25,000/-
2005-2006	26	Rs.12,000/-	Rs. 15,000/-	Rs. 28,000/-
2006-2007	28	Rs.18,000/-	Rs.18,000/-	Rs.32,000/-

- Details of the Foreign Institution/University : NA

VI. FACULTY:

- Permanent Faculty

Sl. No	Name of the Faculty member with Designation	Qualification with class obtained	Corresponding specialization	Date of birth and age	Date of joining the present post	Scale of pay	Basic pay & Total Emoluments
1.	Dr. M.Germanus Alex Professor & Director	Ph.D.	Computer Science	21-06-72 35	27-08-01	12000-420- 18300	16,400, 30,000
		M.Phil. – 1 st Class	Computer Science				
		M.Sc – 1 st Class	Computer Science				
2.	Dr.V.P.Kulkarni Professor	Ph.D	Computer Communication	17-03-38 69	11-09-03	Rs.16,400 – 22,400/-	16,400, 25,000
		M.Tech.- 1 st Class	Electronics				
3.	Mr. M.K. Jeya Kumar Assistant Professor & HOD	M.C.A. – 1 st Clas	Computer Applications	01-06-69 38	05-09-94	12,000-420- 18300	12,420, 20,622
		M.Tech – 1 st Class	CS & IT				
		Doing Ph.D.	CSE				
4.	Mr. F. Ramesh Dhanaseelan Assistant Professor	M.Tech.- II nd Class	CSE	08-04-69 38	20.06.95	12,000-420- 18300	12,000, 18,150
		M.Sc., - 1 st Class	Computer Science				
		Doing Ph.D.	Computer Science				
5.	Dr. P.B. Sarasija, Assistant Professor	Ph.D	Representation Theory	05-11-63 43	02-08-95	12,000-420- 18,300	12,840, 20,010
		M.Sc-1 st Class	Mathematics				
6.	Mr.A. Shajin Nargunam Assistant Professor	M.E - 1 st Class	CSE	26-06-72 33	04-08-97	12,000-420- 18,300	12,420, 20,622
		M.C.A,- 1 st Class	Computer Applications				
		Doing Ph.D.	CSE				
7.	Mr. R. S. Shaji Assistant Professor	M.Tech - I Class	CSE	31-05-72 35	20-09-99	12,000-420- 18,300	12,000, 13,375
		MCA - I Class	Computer Applications				
		Doing Ph.D	CSE				
8.	Mrs. J. R. Jeba	M.C.A.- 1 st Class	Computer Applications	18-03-74 33	17-12-97	10,000-325- 15,200	10,000, 16,670

	Senior Lecturer	M.Phil. - 1 st Class	Computer Science				
9.	Mrs. S. Beulah Lecturer	M.C.A-1 st Class	Computer Applications	22-05-75 32	25-06-01	8,000-275- 13500	8,000, 10,400
		M.Phil.-1 st Class	Computer Science				
10.	Mr.M.Saravanan Lecturer	MCA-1 st Class	Computer Applications	05-05-77 30	26-06-01	8,000-275- 13,500	8,275, 10,400
		M.Tech – 1 st Class	Computer Science S&IT				
11.	Ms.N.Ajitha Lecturer	MCA – 1 st Class	Computer Applications	17-04-80 27	04-12-03	8,000-275- 13,500	8,000, 9,000
12.	Mrs. F. Sharmila Lecturer	M.C.A., - 1 st Class	Computer Applications	18-03-75 32	31-03-05	8,000-275- 13,500	8,000, 8,000
		M.Phil.,- 1 st Class	Computer Science				
13.	Ms.F. Fanax Femy Lecturer	M.C.A-1 st Class	Computer Applications	02-06-80 27	22-06-05	8,000-275- 13,500	8,000, 8,000
		M.Phil-1 st Class	Computer Science				
14.	Ms.Merlin Johnsy Lecturer	MCA-1 st Class	Computer Applications	05-05-78 29	08-09-05	8,000-275- 13,500	8,000, 9,600
15.	Mr.U.Kumaran Lecturer	BE-1 st Class	CSE	26-05-69 38	03-01-06	8,000-275- 13,500	8,000, 8,000
16.	Mr.S. Sabeen Lecturer	MCA-1 st Class	Computer Applications	18-05-76 31	22-08-06	8,000-275- 13,500	8,000, 8,000
17.	Mr. A. Ferdinand Christopher Lecturer	M.C.A-2 nd Class	Computer Applications	27-07-77 29	04-01-07	8,000-275- 13,500	8,000, 8,000
		M.Phil-2 nd Class	Computer Science				
		M.E	CSE				

➤ Visiting Faculty

Sl.No	Name & Address of Guest Lecturer
1.	Mr.M.Paulraj, IRIDIUM Technologies Ltd. Technopark, Trivandrum
2.	Mr.M. Thankaraj, M.Sc. M.Tech., Senior Lecturer, Dept of Computer Science, Madurai Kamaraj University, Madurai
3.	Dr. E. Naganathan, M.Sc. PGDCA. Ph.D. Reader, Dept. of Computer Science, Alagappa University, Karaikudi
4.	Mr. S. Sankar, Project Manager, Griantek, Chennai
5.	Mr. G. Aloysius, Chief Executive Officer, Griantek, Bangalore
6.	Mr.R.S. Satheeh M.C.A., M.Phil., Head. Dept of Computer Applications, Noorul Islam College of Arts & Science, Kumaracoil
7.	Prof.R.Muruganatham, MCA., M.Tech, Senior Lecturer,

	Dept of Computer Science, St. Hindu College, Nagercoil
8.	Dr.R.S. Rajesh, Reader, Dept. of Computer Science & Engineering, Manonmaniam Sundaranar University, Tirunelveli
9.	Dr.S.Arumugaperumal, Prof. & Head, Dept. of Computer Science, St.Hindu College, Nagercoil.
10.	Prof.A.Jaisingh, Assistant Prof. & Head, Dept. of Computer Science, NM.College, Marthandam

➤ Adjunct Faculty

Sl.No	Name of the Staff	Department
1.	Mr.K.Shahul Hameed	Management Studies
2.	Ms.Merlin Thanga Joy	Management Studies
3.	Ms. Shakthi Kumari	Management Studies
4.	Ms. K.Uma Samundeswari	Maths

➤ Guest Faculty:

Sl.No	Name
1.	Dr.Anantha Padmanabhan Thambi,, Joint Director, Er & DC, Trivandrum
2.	Mr.A.Anwar Sadak, Rsearch Associate, ER & DC, Trivandrum
3.	Mr.C. Indu Kumar, LPSC, Trivandrum
4.	Mr. S. Satheesh, Research Associate, ER & DC, Trivandrum
5.	Mr.S. Chandran, STG International Marthandam
6.	Mr. Unnikrishnan. Director, KIM, Trivandrum
7.	Mr.R.Ramani, Joint Director, ER & DC, Trivandrum
8.	Mr.G.R. Kiran, Mission Coordinator, Kerala State IT Mission
9.	Ms. Shilpa Menon, MCA, Project Trainee, U.S. Software Pvt Ltd, Trivandrum
10.	Mr.C. Daniel Subaharan, PGDCA, MCA, System Manager, Satyam Computer Services Ltd, Teynampet, Chennai
11.	Mr. R.P. Lalaji, Chairman, Softtex Group, Padmanabham, Technopark, Trivandrum
12.	Mr.A.Rajeeve, Software Engineer, Sathiyam Computers, Chennai
13.	Mr.S.Gipson Rajesh, Software Engineer, Wipro Technologies Pvt. Ltd, Chennai.

➤ Permanent Faculty : Student Ratio : 1 :10.58

- Number of faculty employed and left during the last three years.

Number of Faculty employed : 04

Number of Faculty left : 03

VII PROFILE OF PRINCIPAL WITH QUALIFICATIONS TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED

PROFILE OF THE PRINCIPAL



01. Name : **Dr. K. THYAGARAJAN**
02. Age & Date of Birth : 24th May 1947
03. Educational Qualifications : (i) B.Sc. (Engg.) Branch : Mech. Engg. – First Class
(ii) M.Sc. (Engg.) Branch : Heat Power Engg. First Class with Distinction
(iii) Ph.D. – Combustion Kinetics, I.I.T.Madras
04. Work Experience : Total : 38 years
(i) Teaching : 34 years (As Lecturer – 10 years, As Asst. Prof. – 10 years, As Professor & Head, Dean of P.G. Studies & Principal – 14 years)
(ii) Research : 18 years
(iii) Industry : 04 years
(iii) Others : 10 years(Administration)
05. Area of specialization : Mechanical engineering, Heat power Engineering – Combustion
06. Subjects teaching Under Graduate level, Postgraduate Level : All Mechanical Engineering Subjects
07. Research Guidance :
No. of papers published in
Masters : - National Journals :25
Ph.D. : - International Journals :10
- Conferences :67
- No. of Research Degree Produced :04
(2 Ph.D and 2 M.S by Research)
08. Projects carried out : MNES Sponsored project on development of 2 kw Wind-Electric Generator
09. Patents : Patent awarded on Artificial Vision Implant Device for 20 years from 2005 for this College.
10. Technology Transfer : Done on High Efficiency Solar Lantern
11. Research publications published : More than 100 (International Journals-10, International Conferences – 18, National Journals -25, National Conferences – 42, Tech. Reports – 7)
12. No. of Books published : 02 (Proceedings of the International Conferences)

Place : Kumaracoil

Dated : 22nd August 2007

(Dr. K. THYAGARAJAN)

PROFILE OF THE DIRECTOR



1. Name : **Dr.M.GERMANUS ALEX**
2. Date of Birth : 21-06-1972
3. Educational Qualifications : M.Sc., M.phil., Ph.D.(Computer Science)
4. Work Experience :
- | | |
|----------|---------------------|
| Teaching | :13 years |
| Research | :07 years |
| Industry | :Nil |
| Others | :02(Administrative) |
5. Area of Specialization : Computer Science – Image Processing
6. Subjects teaching at Under graduate Level: -
Post Graduate Level : All Computer Science related subjects
7. Research Guidance
- No. of Papers Published in
- | | |
|-----------------------------------|---------------------------------|
| Master's - National Journal | : Nil |
| Ph.D. - International Journal | : Nil |
| - Conferences | : 04 |
| - No. of Research Degree Produced | : 26 (M.Phil – 1, Masters – 25) |
8. Projects Carried Out : Graduation Level - Nil
Masters Level - Nil
9. Patents : Patent awarded on Artificial Vision Implant Device for 20 years from 2005 for this College.
10. Technology Transfer : Image matching by Difference classification
11. Research Publications : International Conference Proceedings : 02
National Conference Proceedings : 02
12. No. of Books Published with details : Nil

Signature

Place : Kumaracoil
Dated : 22nd August 2007

(Dr.M.Germanus Alex)

VIII FEE

- ❖ Details of fee, as approved by State Fee Committee, for the Institution.

Tuition Fee Rs. 25, 000/-

- ❖ Time schedule for payment of fee for the entire programme :

For I-year at the time of admission, for II-year and III – year July

- ❖ No. of fee waivers granted with amount and name of students : **NIL**
- ❖ Number of scholarships offered by the institute with the name of students, duration and amount

BC Scholarship

Sl.No	Name	Amount in Rupees	Duration
1.	Mr. Edwin Lourds Raj. T	4,820	2005-2008
2.	Sherlin Sam.S	4,820	2005-2008
3.	Persi Joy. S	4,820	2005-2008
4.	Manju.T	4,820	2005-2008
5.	Maurshitha. M.I	4,820	2005-2008
6.	Saravanan. L	4,820	2005-2008
7.	Jeslin Kiruba.R	4,820	2005-2008
8.	Jerin Salini. G	4,820	2005-2008
9.	Kanaga Sundaram. K	5,370	2005-2008
10.	Suja Alphonse.A	5,370	2005-2008
11.	Ancy Mary.C	3,920	2004-2007
12.	Almitha Anselin Burma. B	4,820	2004-2007

SC Scholarship

1	Sonia .V	3,920	2004-2007
2	Norin Anto Infanta. F	4213	2006-2009

- ❖ Criteria for fee waivers/scholarships. : NA
- ❖ Estimated cost of Boarding and Lodging in Hostels.: **Rs. 14, 000/- per year**

IX ADMISSION

- ❖ Number of seats sanctioned with the year of approval .:

Number of Seats: **60**

Sanctioned year : **2000-2001**

- ❖ Number of students admitted under various categories each year in the last two years.

Programme : **MCA**

Year	No. of Students admitted	Category
2005 - 2006	58	OC-31% BC-30%
2006-2007	60	MBC-20% SC/ST-19%

Note : Students under the management quota will be selected based on the communal reservation policies adopted by the Govt. of Tamilnadu. Also they are selected based on the performance of the mark scored in the qualifying examination and marks scored in the State level test(TACET) conducted by Anna University.

The list of candidates selected will be published in the website during the admission.

- ❖ Number of applications received during last two years for admission under Management Quota and number admitted.

Year	No. of Applications Received	No. of admitted
2005- 2006	112	30
2006-2007	81	34

X. ADMISSION PROCEDURE

- ❖ Mention the admission test being followed, name and address of the Test Agency and its URL (website).

Name of the Test : **Tamil Nadu Common Entrance Test(TANCET)**

Name of the admission Agency : **Anna University, Chennai**

URL : **www.tndte.com, www.annuniv.edu**

- ❖ Number of seats allotted to different Test Qualified candidates [TANCET/AIMCET/CET(state conducted test/University tests/Association conducted test)]

Based on the State Level Entrance Test(TANCET).

- ❖ Calendar for admission against management/vacant seats(Tentatively)
 - Last date for request for applications. **February**
 - Last date for submission of application **March First week**
 - Dates for Group Discussion (GD) / Interviews **March Last Week**
 - Dates for announcing final results : **April First Week**
 - Release of admission list (main list and waiting list should be announced on the same day) : **April Last Week**
 - Date for acceptance by the candidate (time given should in no case be less then 15 days) : **May First Week**
 - Last date for closing of admission. **May**
 - Starting of the Academic session. **July**
 - The waiting list should be activated only on the expiry of date of main list
 - The policy of refund of the fee, in case of withdrawal, should be clearly notified : **Full amount is refunded.**

XI CRITERIA AND WEIGHTAGES FOR ADMISSION

- ❖ Describe each criteria with its respective weightages i.e. Admission Test, marks in qualifying examination etc.

35 % weightage for Marks scored in the qualifying examination

35 % weightage for Marks scored in the TANCET

30 % weightage for Performance in the personal interview

- ❖ Mention the minimum level of acceptance, if any,. :NA
- ❖ Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years.

Community	2004-2005		2005-2006		2006-2007	
	Minimum Marks	Maximum marks	Minimum Marks	Maximum marks	Minimum Marks	Maximum marks
OC	11.23	25.53	-	30.43	34.00	5.00
BC	6.33	29.33	12.9	30.13	41.00	2.667
MBC	11.00	24.00	12.86	19.30	18.333	18.00
SC/ST	Nil	Nil	Nil	Nil	13.667	-

- ❖ Display marks scored in Test etc. and in aggregate for all candidates who were admitted.
Marks scored and the rank of the candidates will be published in the web site and notice boards during the time of admission.

Item No I - XI must be given in information brochure and must be hosted as fixed content in the website of the Institution.

The Website must be dynamically updated with regard to XII –XV.

XII APPLICATION FORM

- ❖ Downloadable application form, with online submission possibilities :

Downloadable application form with online submission facility to be provided during the time of admission process from our college website : www.niceindia.com.

XIII LIST OF APPLICANTS

- ❖ List of candidates whose application have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidates who have applied along with percentage and percentile score for Management quota seats.

List of selected candidates with their score and percentage of marks under management quota will be periodically updated.

XIV. RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/VACANT SEATS

- ❖ Composition of evaluation team with the brief profiles of members (This information be made available in the public domain after the admission process is over)

Principal with three senior faculty members of the College will be the Evaluation team members to select the candidates in the management Quota.

- ❖ Score of the individual candidates admitted arranged in order of merit.

Score and rank of the candidates will be published in the notice board and College website during the admission..

- ❖ List of candidates who have been offered admission in each category.

List of Candidates offered MCA Admission 2004-2005

Sl. No.	Name	TANCET No.	Entrance Exam Marks
1.	Abraham Kiran Joseph	431028	32.000
2.	Almitha Anselin Burna .B	422242	11.000
3.	Anand M.M.	7028121005	45
4.	Anbarasu Antonio R	421254	18.000
5.	Ancy Reena V	422228	25.000
6.	Anites Xavier J	421046	10.34

7.	Anoop O.S	421217	1.667
8.	Ansi Mary C	422068	29.333
9.	Antony Vijay Kumar A	125314	5.667
10.	Anu Priya .G	422045	24.000
11.	Anusubha .V.G	422231	19.000
12.	Aruna V.S	322083	23.000
13.	Ashni Sasidharan	422057	20.667
14.	Bestus J	421107	9.333
15.	Bestus J	421107	13.56
16.	Bharath K.S	421164	5.667
17.	Brinda .S.V	422184	16.333
18.	Brindha Judy .X	422146	17.000
19.	Darwini .N	422198	13.333
20.	Deepthy .R	422048	4.333
21.	Dhanya D	422232	16.667
22.	Dhanya J.K. Jain	422340	24.000
23.	Dhivya C.R	422199	8.000
24.	Dhurga Lekshmi .K	422246	12.000
25.	Dinoop .S	256743	-0.345
26.	Edal Beaula R	422251	13.667
27.	Essakkiammal .S	422133	10.333
28.	Fathima Moidenn	AIMCET 1441157	02.34
29.	Firdouse .M.S.M	422051	32.000
30.	Gladson Jeba Singh J.	421040	03
31.	Glau Thangam Varghese	AIMCET	
32.	Gobika M	422069	55
33.	Gopa Kumar G.K	421132	23.000
34.	Gopika M	422069	19.333
35.	Graceline Jasmine S	422185	29.333
36.	Harish Kumar D	421233	44.667
37.	Hema Latha S	422282	9.333
38.	Jahafar Sadiq Ifthikar	421180	6.667
39.	Jebarin Satheesh Raja S	421191	8.667
40.	Jebin Y	421149	22.333
41.	Jeena Sharanya .K	432013	22.667
42.	Jehu Joe Daniel	125261	37.333
43.	Jenish Moses .S	431033	26.667
44.	Jeny Prakash	322427	18.667
45.	Jeny Rose Varghese	AIMCET	0.08
46.	Jeslin Suji .J	422239	6.000
47.	John Benjamin .O	421316	13.666
48.	Joseph Vikram C	431015	01.23
49.	Joylyn Jini .S	422273	18.667
50.	Judith Shirley .J	422265	19.000
51.	Karthik Subash .R	431040	12.333
52.	Krishna .S	445674	03.98
53.	Manju .M	422321	11.000
54.	Manju Reshma .J	124161	24.333

55.	Manoj Kumar .R	431035	32.333
56.	Merin Shobi	422153	24.000
57.	Mohamed Safiq .J	421146	18.667
58.	Mohamed Subin A	421003	14.667
59.	Narayana Rajan A.R	121903	36.333
60.	Nisha Devi .R	322412	22.667
61.	Nisy V.P	422084	16.000
62.	Parthiban T	125249	18.000
63.	Piratap Karthik R.	421050	9.667
64.	Pon Selvi M	422329	15.667
65.	Ponselvi M	422329	15.667
66.	Prabha Poorna Selvam .V	422095	21.667
67.	Prasad V.S	421210	9.667
68.	Prasanth .P.S	421195	31.333
69.	Praveen .S.S	431052	13.333
70.	Prince Faxter Rose J	421273	04
71.	Rajesh .A	421110	18.667
72.	Rama Rajeswari S	422243	3.667
73.	Ramani .S	422271	24.333
74.	Ratha T	421221	-0.667
75.	Rekha M.A	422347	23
76.	Remya Chandran R	422274	18.333
77.	Renisha G.R. Shalom	422138	34.667
78.	Reshmi Chandran .V.R	422328	13.000
79.	Resmi .N	422132	22.667
80.	Resmi Balachandran	322082	21.333
81.	Rinu T. Vadakken	44566	-0.011
82.	Sachin .R	421140	5.667
83.	Sadish Kumar	414000	-0.06
84.	Sajitha .N	323211	-0.112
85.	Sandhya Sasikumar	7028221002	36
86.	Sangeetha S	422036	22.333
87.	Shajin K.Das	321121	22.000
88.	Shany D.S	422346	2.667
89.	Sindhu Kumari A	422291	6.667
90.	Sindhu Vijayan	708220343	33
91.	Sonia .V	422262	24.000
92.	Sree Kanth S	421120	12.333
93.	Subash .V	321389	30.000
94.	Subash V	321389	30
95.	Sudha .I	322221	-0.452
96.	Suggish R.S	421218	16.000
97.	Sujitha Soni V.M	422270	6.333
98.	Sumitha .N	323434	-0.352
99.	Suresh .M.R	421134	20.000
100.	Syto Nixon .I	421232	5.333
101.	Thana Indra .T.S	422276	49.000
102.	Thavamony S	421176	17.333
103.	Vadivukkarasi .S	422125	7.333

104.	Vasanth D.K	301711	-0.034
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List of Candidates offered MCA Admission - 2005-2006

Sl.No	Name of the Candidate	TANCET Reg. No.	TANCET Score
1.	ABILASH .R.P	622372	21.037
2.	ANAND .G	654544	03.06
3.	ANEESHYA .R.S	612365	08.643
4.	ANU .C	612067	10.857
5.	APPU .S	622254	23.420
6.	ARUNA M	622342	15.957
7.	ASHA .S	622068	21.300
8.	BIBIN.R	622325	2.103
9.	DARSHANA JOHN	614027	20.947
10.	DEEPA .S	622313	18.190
11.	DEEPIKA S.	614056	25.693
12.	DIVYA .S.J	612488	16.957
13.	GEETHA .V	612315	14.683
14.	GIRISH .G.S	622188	13.290
15.	GOLDA .P	612407	03.573
16.	INDRA .S	612063	29.340
17.	JAYALAL .J.J	622289	31.7333
18.	JEBA ALBIN RAJ. R	612490	03.563
19.	JEBA SHARLY .J	622256	06.493
20.	JEEVAN. L	622161	14.917
21.	JOE RAMEESHA SUBASHINI G.A	612150	14.663
22.	KALEESVARI KAVITHA .P	614015	26.693
23.	LEKSHMI .S.R	622222	22.653
24.	MADHURA NATCHIAR	612028	32.733
25.	MANJUSHA .C.I	622026	11.210
26.	MANOHARAN .S		-
27.	MARTIN SUBASH J	612525	16.553
28.	MARY IMMACULATE .S	622212	08.483
29.	MARY SHIJI, L.	622236	02.453
30.	MEENA .S	622132	09.847
31.	MOHAMED FAIZAL. S	622181	06.210
32.	MOHAMED MAIDHEEN .B	612118	07.300
33.	NAMEETA CAROL XAVIER	622376	19.017
34.	NIGI. G	622207	09.120
35.	NISHMA .M	612253	08.643
36.	PONNILA MANGAI .K.P	622285	06.290
37.	PRAKASH JELTIN JEROMI .J	622388	20.613
38.	PRATHYOOSH .M	622362	05.553
39.	RASHMI .R	612254	08.643
40.	SANTHOSH KUMAR .V	612000	10.877
41.	SANUJA. V.J	622003	27.410
42.	SATHISH KUMAR .S	622208	19.230
43.	SATHIYAMOORTHY R.	612177	4.897
44.	SETHU KARTHIKA S.A.	622348	7.290
45.	SHEEJA, P.	612114	28.430
46.	SHEELA ROBIN	612327	32.693
47.	SHUNMUGAM.	612368	18.250
48.	SHYNI .A.L	622195	15.897
49.	SINDHU KUMARI .A	622082	-05.840
50.	SONIA BLESSIE	612422	22.410
51.	SOWMYA .R.S	622292	18.573

52.	SUJA .S.L	622201	30.430
53.	SUNITHA .A	622202	18.047
54.	SUSHA S	622225	23.047
55.	SUSINIBA .V	622191	21.907
56.	UMADEVI V	612030	20.260
57.	VEENA .V	612241	09.593
58.	VELAMMAL. E	622090	13.947
59.	VIDYA .S	622067	18.583
60.	VIJAYASARATHY. T	622345	22.270
61.	VINOTH KUMAR .V	342104	09.603
62.	VISHNU JYOTHI K.P.	622183	17.897

List of Candidates offered MCA Admission – 2006-2007

Sl.no	Name	TANCET Reg. no	TANCET Mark	Community
1.	PREM REJOY.P	612387	41.333	BC
2.	SAJI KUMAR.N.S	632018	35.333	BC
3.	MASCHAL SHENAL JINU.F	612257	33.667	BC
4.	RESMI .S. NAIR	632209	30.667	OC
5.	ANISH.R	612029	29.333	FC
6.	JAYASHREE.M	622131	29.333	OC
7.	CHRISTY JEBATHALJ	622029	29.000	BC
8.	JAI LIZHA.P	622310	28.000	BC
9.	HARIHARAN.N	612154	27.667	BC
10.	VALARMATHI..N.T	632411	26.000	BC
11.	ALLIAN MARJARY.O.M	612460	25.333	BC
12.	SENTHILNATHAN.P.S	632071	24.667	OC
13.	BENAZIR.R	612544	24.000	BC
14.	NEENA PAULINE.	622294	23.667	OC
15.	AGNES MELBA.J	612465	23.333	BC
16.	ANANTHY.N	612484	23.333	BC
17.	KAMALA.M	622170	23.000	BC
18.	PRAVEEN.P.U	612386	22.667	OC
19.	SHIVA GURU.M	632083	22.667	BC
20.	GLADWIN JEBA SEELAN.P	612138	21.667	BC
21.	BINDHI KRISHNAN.U.R	622005	21.333	BC
22.	JEYALEKSHMI.V.G	622130	21.333	FC
23.	PADMA.M.S	622204	21.333	BC
24.	ANISH.M	612028	21.000	OC
25.	PREETHA.P	622334	19.667	BC
26.	THANUSHA.N	632388	19.333	BC
27.	BENILA.B.K	622000	18.000	BC
28.	HARIKRISHNAN.P	622157	17.333	OC
29.	PRATHIBA.P.H	622333	16.667	OC
30.	GRESHOM.A	612137	16.333	BC
31.	JONES PAUL.J	612199	16.333	MBC
32.	PRIYADARSINI.M.S	633345	16.333	FC
33.	SABEETHA.I	632241	16.000	BC
34.	SHAMNA. A. REHMAN	632298	16.000	BC
35.	RAMYA.A	612454	16.000	BC
36.	RENUKA.S	632222	15.333	BC
37.	ANANDA DHAS.C	612020	15.000	BC
38.	VIPIN.V.S	362379	14.666	BC
39.	SUJITH.S.S	632144	14.667	OC
40.	PRIYA DHARSINI.D.P	614066	14.333	BC

41.	SARANYA.R.P	622357	14.333	BC
42.	THIYAGARAJAN.P.L	362248	14.333	BC
43.	VISALATCHI.S	632449	14.000	OC
44.	PRIYA DHARSAHINI.P	612530	13.667	MBC
45.	DILEEP SANKAR.K.V	612113	13.667	OC
46.	THANGA NEELA.V.S	632386	13.333	BC
47.	GIRIJA.V	622075	12.667	BC
48.	GOPAL.R.S	612143	12.667	BC
49.	SUGITHA LINCY.B.T	632365	12.333	BC
50.	GOD FRAY.T	612141	12.333	BC
51.	CHRISTINAL.C	622028	11.667	MBC
52.	ARUL AJIT.V	632160	10.000	BC
53.	USHA.G	632400	10.000	BC
54.	RAMYA.K.S	622387	9.667	FC
55.	PUSHPALATHA.R	622351	9.333	BC
56.	JOEL LYTE.T	632139	9.333	BC
57.	ABITHA.Y	612458	8.667	BC
58.	NAIR DIVYA SIKHI	622288	8.333	FC
59.	MUTHU MARIAPPAN.G	612334	8.000	SC
60.	NADHIVA.A	614062	7.667	OC
61.	AKBER AHAMED SHA.M	612246	5.667	BC
62.	BAVITHA.S	632228	5.333	BC
63.	JEYARAJ.T	612179	5.000	BC
64.	SHEEJA.V.B	632406	5.000	BC
65.	LEKHA.K	622199	0.667	BC
66.	SHANOBARINE SHIRLY.V	632301	-2.667	BC
67.	UDAYA KUMAR.C	632387	2.456	BC
68.	SIVA KUMAR.M	632087	2.648	MBC
69.	KAMALA SUNDARI.G	622169	37.333	BC
70.	ALLWYN DEVAARASU.M	654322	3.643	BC
71.	ANUJA.P	612654	17.000	FC
72.	SIVA BRINDHA.V	678453	3.565	BC
73.	JEBARAJA THANGAM.J	634565	5.675	BC
74.	JEBASTIN.G	637363	3.567	BC
75.	BALA SUNDARA GANAPATHY.A	612074	4.000	BC
76.	AARTHI.J.G	678923	5.674	BC
77.	LINDA ROSE.G	622201	6.667	BC
78.	PRIYA DARSHANA.K.V	622340	22.667	BC
79.	POONGODI.B	622328	11.333	BC
80.	RATHISH KUMAR.R	612431	14.667	BC
81.	BINU STALIN.S	612445	22.666	BC

- ❖ Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates, category wise.

Details regarding this will be published in the College Notice Board and uploaded in the College web site during the time of admission .

- ❖ List of the candidates who joined within the date vacancy position in each category before operation of waiting list.

Details regarding this will be published in the College Notice Board and uploaded in the College web site during the time of admission .

XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

▪ LIBRARY:

- Number of Library Books : **31,940**
Number of International Journals : **70**
Number of National Journals : **52**
- List of online National / International Journals subscribed

List of IEEE Online Computer Journals

1. Annals of the History of computing
2. Computer Graphics
3. Computer
4. Trans on Computers
5. Computing in Science and Engineering
6. Trans on Information Theory
7. Intelligent Systems
8. Internet Computing
9. IT Professionals
10. Trans on Knowledge and Data Engineering
11. Multimedia
12. Trans on Multimedia
13. Network
14. Trans on Network
15. Trans on Neural Network
16. Pervasive Computing
17. Software Engineering
18. Trans on Software Engineering
19. Trans on Systems, Man and cybernetics part-A: Systems and Humans
20. Trans on systems, Man and Cybernetics part-B: Cybernetics
21. Trans on systems, Man and Cybernetics part-C: Applications and Reviews
22. Trans on Fuzzy Systems
23. Trans on Evolutionary Computation
24. Design & Test of Computers
25. Micro
26. Security and Privacy
27. Trans on Visualization and Computer Graphics
28. Trans on Parallel and Distributed Systems
29. Trans on Dependable and Secure Computing
30. Distributed Systems

➤ E-Library Facilities

It is a separate learning section introduced in the Central library. It refers to any form of education delivered by electronic media. Students and staff can access the journals through e-Learning section. They can also access information for their studies, research and carrier development.

▪ **LABORATORY :**

For each Laboratory

- List of Major Equipment / Facilities :

Sl.No	Name	Nos.
4.	Pentium-4	63
5	Pentium-3	26
7.	Inkjet Printer	06
8.	Dot matrix printer	04
9.	Scanjet	01
10.	LCD	01
11.	OHP	02
12.	UPS (Each with 5 Bateries)	5 (5 kva- 4, 6 kva - 1)

- List of Experimental Setup

Subject Code & Name: C1606 DATA STRUCTURES LABORATORY
Class : First Semester MCA

1. Represent the given sparse matrix using one dimensional array and linked list.
2. Create a Stack and do the following operations using arrays and linked lists
(i)Push (ii) Pop (iii) Peep
3. Create a Queue and do the following operations using arrays and linked lists
(i)Add (ii) Remove
4. Implement the operations on singly linked list, doubly linked list and circular linked list.
5. Create a binary search tree and do the following traversals
(i)In-order (ii) Pre order (iii) Post order
6. Implement the following operations on a binary search tree.
(i) Insert a node (ii) Delete a node
7. Sort the given list of numbers using heap and quick sort.
8. Perform the following operations in a given graph
(i) Depth first search (ii) Breadth first search
9. Find the shortest path in a given graph using Dijkstra algorithm

Subject Code & Name :MC1607 PROGRAMMING LABORATORY
Class : First Semester MCA

1. Display the following:
(i) Floyd's triangle (ii) Pascal Triangle
2. Generate the following series of numbers:
Armstrong numbers between 1 to 100
Prime numbers between 1 to 50
Fibonacci series up to N numbers
3. Manipulate the strings with following operations.
(i) Concatenating two strings (ii) Reversing the string (iii) Finding the substring
(iv) Replacing a string (v) Finding length of the string
4. Find the summation of the following series:

- (i) Sine (ii) Cosine (iii) Exponential
- 5. Create the sales report for M sales person and N products using two dimensional array.
- 6. Simulate following Banking operations using functions.
 - (i) Deposit (ii) Withdrawal (iii) Balance Enquiry
- 7. Implement using recursion
 - I, Find the solution of Towers of Hanoi problem using recursion.
 - II, Fibonacci number generation.
 - III, Factorial
- 8. Generate Student mark sheets using structures.
- 9. Create a collection of books using arrays of structures and do the following:
 - (i) Search a book with title and author name (ii) Sorts the books on title.

Subject Code & Name :MC1656 OBJECT ORIENTED PROGRAMMING LAB
Class : Second Semester MCA

1. Programs using Constructor and Destructor.
2. Creation of classes and use of different types of functions.
3. Count the number of objects created for a class using static member function.
4. Write programs using function overloading and operator overloading.
5. Programs using inheritance.
6. Program using friend functions.
7. Program using virtual function.
8. Write a program using exception handling mechanism.
9. Programs using files.
10. Programs using function templates.

Subject Code & Name :MC1657 DBMS Lab
Class : Second Semester MCA

1. Execute a single line and group functions for a table.
2. Execute DCL and TCL Commands.
3. Create and manipulate various DB objects for a table.
4. Create views, partitions and locks for a particular DB.
5. Write PL/SQL procedure for an application using exception handling.
6. Write PL/SQL procedure for an application using cursors.
7. Write a DBMS program to prepare reports for an application using functions.
8. Write a PL/SQL block for transaction operations of a typical application using triggers.
9. Write a PL/SQL block for transaction operations of a typical application using package.
10. Design and develop an application using any front end and back end tool (make use of ER diagram and DFD).

Typical Applications – Banking, Electricity Billing, Library Operation, Pay roll, Insurance, Inventory, etc.

Subject Code & Name :MC1658 ALGORITHMS LAB
Class : Second Semester MCA

1. Apply the divide and Conquer technique to arrange a set of numbers using merge sort method.
2. Perform Strassen's matrix multiplication using divide and conquer method.

3. Solve the knapsack problem using greedy method.
4. Construct a minimum spanning tree using greedy method.
5. Construct optimal binary search trees using dynamic programming method of problem solving.
6. Find the solution for traveling salesperson problem using dynamic programming approach.
7. Perform graph traversals.
8. Implement the 8 Queens Problem using backtracking.
9. Implement knapsack problem using backtracking.
10. Find the solution of traveling salesperson problem using branch and bound technique.

Subject Code & Name :MC1706 GRAPHICS AND MULTIMEDIA LAB

Class : Third Semester MCA

1. C program with Fundamental Graphics Function
2. C program for Line drawing using Bresenham, DDA Line Drawing Algorithms.
3. C program for Circle Drawing using Bresenham Circle Drawing Algorithms.
4. C program for Clipping Algorithm using Line Clipping.
5. C program for 2D Transformations like Translations and Scaling and Rotations.
6. C program for 3D Transformations like Translations and Scaling and Rotations.
7. Create Frame by Frame Animations using multimedia authoring tools.
8. Develop a presentation for a product using techniques like Guide Layer, masking and onion Skin using authoring tools.
9. Create a Jpeg image which demonstrates the various features of an image editing tool. Demonstrate Rasterization and filtering of layers and give blending effects for a logo.

Subject Code & Name :MC1707 MICROPROCESSORS LAB

Class : Third Semester MCA

1. Assembly language program to perform arithmetic operations on block of data using Hexadecimal numbers.
2. Assembly language program to perform arithmetic operations on block of data using BCD numbers.
3. Assembly language program to perform byte and string manipulation.
4. Assembly language program to interface Programmable Peripheral Interface.
5. Assembly language program to interface Programmable Timer.
6. Assembly language program to interface Programmable Communication Interface.
7. Assembly language program to interface Keyboard/Display Controller.
8. Program to Perform Power On Self Test.
9. Program for floppy disk trouble shooting.
10. Program for printer trouble shooting.

Subject Code & Name :MC1708 INTERNET PROGRAMMING LAB

Class : Fourth Semester MCA

1. Program to illustrate the use of overloading and overriding.
2. Program to implement the concept of Interfaces and packages.
3. Generate the program using exceptions handling mechanism.
4. Program to achieve Inter thread communication and deadlock avoidance.

5. Implement the file operations.
6. Program using Applets.
7. Program using JDBC.
8. Program using JNI concepts.
9. Program to illustrate the use of Remote Method Invocation.
Program using Servlets.

Subject Code & Name :MC1755 VISUAL PROGRAMMING LAB
Class : Fourth Semester MCA

1. Program using application wizard :
SDI, MDI, Drawing Inside the View Window, Device Context
2. Program to handle basic events:
The message map, saving the view's state, initializing a view class data member
3. Program using graphical device interface objects
4. Program to display modal and modeless dialogs.
5. Program using static and dynamic controls
6. Program using document – view architecture
7. Program with tool bars and status bars
8. Program using SDI and MDI serialization
9. Program to create dynamic link libraries using MFC
10. Program to interface with database

Subject Code & Name :MC1756 UNIX AND NETWORK PROGRAMMING LAB
Class : Fourth Semester MCA

1. Program using basic network commands
2. Program using system calls : create, open, read, write, close, stat, fstat, lseek
3. Program to implement inter process communication using pipes
4. Program to perform inter process communication using message queues
5. Program to perform inter process communication using shared memory
6. Program to perform synchronization using semaphores
7. Program to capture packets : sniffer
8. Program using TCP sockets (Client and Server)
9. Program using UDP sockets (Client and Server)
10. Program using URL class to download webpages

Subject Code & Name :MC1757 MIDDLEWARE LAB
Class : Fourth Semester MCA

1. Create a distributed application to download various files from various servers using RMI
2. Create a Java Bean to draw various graphical shapes and display it using or without using BDK
3. Develop an Enterprise Java Bean for Banking operations
4. Develop an Enterprise Java Bean for Library operations
5. Create an Active-X control for File operations
6. Develop a component for converting the currency values using COM / .NET
7. Develop a component for encryption and decryption using COM / .NET
8. Develop a component for retrieving information from message box using DCOM / .NET
9. Develop a middleware component for retrieving Stock Market Exchange information using CORBA
10. Develop a middleware component for retrieving Weather Forecast information using CORBA

Subject Code & Name :MC1803 XML AND WEB SERVICES LAB
Class : Fifth Semester MCA

1. Create an XML document to store an address book.
2. Create an XML document to store information about books and create the DTD files.
3. Create an XML schema for the book's XML document from exercise 2.
4. Create an XML document to store resumes for a job web site and create the DTD file
5. Present the book's XML document using cascading style sheets (CSS).
6. Write an XSLT program to extract book titles, authors, publications, book rating from the book's XML document and use formatting.
7. Use Microsoft DOM to navigate and extract information from the book's XML document.
8. Use Microsoft DSO to connect HTML form or VB form to the book's XML document and display the information.
9. Create a web service for temperature conversion with appropriate client program.
10. Create a web service for currency conversion (at five currencies) with appropriate client program.

Subject Code & Name :MC1804 SOFTWARE DEVELOPMENT LAB
Class : Fifth Semester MCA

Develop Software using CASE tools for the applications like :

1. Online railway reservation system
2. Payroll processing application
3. Inventory system
4. Automating the banking process
5. Software for game
6. Library management system
7. Create a dictionary
8. Text editor
9. Telephone directory
10. Create an E-Book of your choice

Software required:

- **Languages:** C/C++/Java/JSDK/Web browser.
- Any front end tool (like VB, VC++, Developer 2000) etc
- **Any backend tool** (Oracle, Ms-Access, SQL) etc.
- **Any CASE tool**

▪ **COMPUTING FACILITIES:**

- Number and Configuration of systems:

Sl. No	Processor / RAM / Hard Disk / Floppy Drive/Monitor/Key board / Mouse	Quantity
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1.	PENTIUM-IV/2.4GHZ /512MB RAM /36 GB HDD/ 1.44 FDD/ SAMSUNG MONITOR/ LOGITECH MOUSE/ CD DRIVE	42
2.	PENTIUM D (P-IV)/2.66 GHz/256 MB RAM/ 80 GB HDD/1.44 MB FDD/CD ROM /17 ” SAMUNG MONITOR/ LOGITECH KEYBOARD/LOGITECH MOUSE	25
3.	PENTIUM III /700 MHz/128 MB RAM/20.4 GB HDD/ 1.44 MB FDD/EGA/VGA COLOR SAMUNG MONITOR/ LOGITECH MOUSE	26
Total		93

- Total No. of Systems Connected by LAN : **93**
- Total No. of Systems Connected by WAN : **7**
- Internet Bandwidth :
- 1. VSAT Connection
 - FTDMA- 64 kbps shared
 - Direc-PC VSAT- 64 kbps
 - SCPC VSAT- 128 kbps(NICENET)
 - SCPC VSAT- 128 kbps(ERNET)
- 2. BSNL Broad Band Connection – 3 Mbps
- 3. Reliance Connection 4 Mbps Leased lines
- 4. ISDN Connection (2000 hrs Account
- Major Software Packages Available :

Sl.No	Software
1	Visual Studio .NET Ent. Dev 2002 Win32 English OLP NL AE
2	Visual Studio .NET Pro 2002 Win32 English OLP NL AE
3	Ms-Windows XP Professional English UPG OLP NL AE
4	Ms-Windows 2003 Server Std. English License /SA Pack OLP NL
5	Ms-Windows 2003 server CAL English License/SAPack OLP NL AE CAL
6	MS-OFFICE 2000 Professional MOLP NL (AE)
7	BACK OFFICE Server English Upgrade OLP NL AE
8	BACK OFFICE CAL English Upgrade OLP NL AE
9	MS BACK OFFICE 2000 CAL MOLP NL AE
10	MS-Visual Studio 6.0 Enterprise MOLP NL (AE)
11	MS Windows Millennium VUP MOLP NL AE
12	MS Office 2000 Professional MOLP NL (AE)
13	MS-Visual Studio 6.0 Enterprise MOLP NL (AE)
14	MS Windows 2000 Server with (AE)
15	MS Windows 2000 CALS MOLP NL (AE)
16	MS Windows ME MOLP NL
17	Oracle Internet Development Suite (IDS)
18	Oracle 8i
19	SQL Server 7.0
20	C# .NET FRAME BUNDLE
21	JDK 1.3
22	J2SDK 1.4.01
23	WEB SERVER WEB SPHERE
24	NOKIA WAP SIMULATOR
25	UP PHONE SDK
26	MCAFEE Anti Virus – Version 5.1

27	MS – Office 2000 Professional (AE)
28	Power Builder & Developer 2000
29	Personal Oracle
30	SYBASE
31	MS –Visual Studio 6.0 Enterprise (AE)
32	VISUAL C++
33	VISAUL BASIC
34	FOXPRO & VISUAL FOXPRO
35	BORLAND C+
36	WORDSTAR
37	Windows NT Server
38	Windows NT Client Access
39	SCO UNIX
40	Novel Netware 3.12
41	COBOL
42	BASIC
43	FOXBASE
44	DBASE
45	FORTRAN 77 / UNIX
46	PASCAL / UNIX
47	AUTOCAD R14
48	Circuit Maker
49	MAT Lab
50	RATIONAL ROSE
51	VLSI Design
52	Pro-E (Wildfire Series)
53	MASTER CAM 7.1
54	VCON Meeting Point
56	C Compiler for Micro Controller
57	OrCAD EDA Suite
58	Ansys 7.1
59	Inventor Series 7.0
60	Capsturn and Capsmill Version 8.0
61	SeeNC turn and SeeNC mill 6.0
62	Tally 6.3 & 7.2
63	SPSS 12
64	EX
65	Borland Turbo C++
66	Red Hat Linux 7.2
67	Adobe PhotoShop 8.0
68	Macromedia Director MX 2004
69	Adobe InDesign CS 3.0
70	Macromedia Studio MAX 2004
71	Adobe Page Maker
72	Macromedia Flash
73	Macromedia Dream Weaver
74	TOMCAT
75	ORSTAT
76	Oracle 9i Standard Edition
77	Red Hat Fedora Core 1
78	Mechanical Desk Top 6.0 (for up gradation only)
79	PCQ Linux 2004
80	PCQ Linux 2005

➤ Special Purpose Facilities Available

➤ Games and Sports Facilities

All the Indoor and Outdoor games facilities are available for staff and students.

➤ Extra Curriculum Activities

Apart from giving importance to academic performance, the Department encourages participation in co-curricular activities to bring out the talents in its students. The students in this Department have participated and won prizes in various competitions conducted by various organizations.

SPARKS” the Association of the Department of Computer Applications was formed in the year 1997 and its main aim is to develop the various skills of the students. This Department has been organizing National Level Seminars and Paper Contests at regular intervals. Experts from the field of software development are sourced to present seminars and demonstration sessions on contemporary practice

➤ Soft skill development Facilities

Providing Training in latest software, personality development, communication skills and training in career development.

- Number of class rooms and size of each
Number of Class Rooms : **03**
Size of Each Class Room : **1,500 Sq.f**
- Number of tutorial rooms and size of each
Number of Tutorial rooms : **02**
Size of Tutorial room : **1,500 Sq.f**
- Number of laboratories and size of each

S.No.	Name of the lab	Available floor area (Sq.m)
1	Computer Lab-1	134.79 m ²
2	Computer Lab-2	98 m ²

- Number of Drawing Halls and size of each : **NA**
- Number of Computer Centers with capacity of each

S.No.	Name of the Lab.	Capacity of the Lab.
1	Computer Lab-1	63
2	Computer Lab-2	30

- Central Examination Facility, Number of rooms and Capacity of each
Number of Examination Halls : 10
Total Capacity : 1500

➤ Teaching Learning Process

- ✓ Handling classes as per the ISO Standards
- ✓ Preparation of Lecture Plan and Subject Coverage by the faculties
- ✓ Maintaining Course file by every staff members
- ✓ Providing Class notes to the students

- ✓ Providing important questions & Answers to the students and publishing in the College Website
- ✓ Conducting Internal assessment test Centrally by the Controller of examinations of this College and value the Answer sheets in the central Valuation center by different faculties.
- ✓ Discussion of previous University question papers and Answers
- ✓ To enrich the knowledge of students the following teaching aids are using.
 - Audio visual
 - Video conferencing
 - LCD Projectors
 - OHPs
- ✓ E-learning facility is also provided to the students.
- ✓ Providing additional training to the weak performance students.
- ✓ Students are motivated to watch the Anna Edusat Program(Conducted by Anna University)
- ✓ Industrial Visits and Industrial Tours are arranged every year to have a better interaction with the Software Development Organizations.
- ✓ Staff and Students are maintaining frequent interaction with the major software industries.
- ✓ Every year the Department is conducting National level Technical Symposiums, Seminars and Conferences.
- ✓ Guest Lectures from the industrial experts are arranged for the benefit of Students and there will be a lively interaction after every lecture.

- Curricula and Syllabi for each of the programmes as approved by the University:

ANNA UNIVERSITY: CHENNAI – 600 025

M.C.A. (MASTER OF COMPUTER APPLICATIONS)

CURRICULUM 2005 - FULL TIME (6 Semesters)

I. SEMESTER – I

Code No.	Course Title	L	T	P	M
Theory					
MC1601	Computer Organization	3	0	0	100
MC1602	Problem Solving and Programming	3	1	0	100
MC1603	Business Processes	3	0	0	100
MC1604	Data Structures	3	1	0	100
MC1605	Accounting and Financial Management	3	1	0	100
Practical					
MC1606	Data Structures Lab	0	0	3	100
MC1607	Programming Lab	0	0	3	100

II. SEMESTER – II

Code No.	Course Title	L	T	P	M
Theory					
MC1651	Mathematical Foundations of Computer Science	3	1	0	100
MC1652	Object Oriented Programming	3	0	0	100
MC1653	Design and Analysis of Algorithms	3	1	0	100
MC1654	Database Management Systems	3	0	0	100
MC1655	Operating Systems	3	0	0	100
Practical					
MC1656	Object Oriented Programming Lab	0	0	3	100
MC1657	DBMS Lab	0	0	3	100
MC1658	Algorithms Lab	0	0	3	100

III. SEMESTER – III

Code No.	Course Title	L	T	P	M
Theory					
MC1701	Computer Networks	3	0	0	100
MC1702	Microprocessors and its Applications	3	1	0	100
MC1703	Software Engineering	3	0	0	100
MC1704	Computer Graphics and Multimedia Systems	3	1	0	100
MC1705	Internet Programming	3	0	0	100
Practical					
MC1706	Graphics and Multimedia Lab	0	0	3	100
MC1707	Microprocessor Lab	0	0	3	100

MC1708	Internet Programming Lab	0	0	3	100
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IV. SEMESTER – IV

Code No.	Course Title	L	T	P	M
Theory					
MC1751	UNIX and Network Programming	3	0	0	100
MC1752	Resource Management Techniques	3	0	0	100
E1***	Elective I	3	0	0	100
MC1753	Object Oriented Analysis and Design	3	1	0	100
MC1754	Middle-Ware Technologies	3	0	0	100
Practical					
MC1755	Visual Programming Lab	2	0	3	100
MC1756	Unix and Network Programming Lab	0	0	3	100
MC1757	Middleware Lab	0	0	3	100

V. SEMESTER – V

Code No.	Course Title	L	T	P	M
Theory					
MC1801	XML and Web Services	3	0	0	100
E2***	Elective II	3	0	0	100
E3***	Elective III	3	0	0	100
E4***	Elective IV	3	0	0	100
MC1802	Software Project Management	3	0	0	100
Practical					
MC1803	XML and Web Services Lab	0	0	3	100
MC1804	Software Development Lab	0	0	3	100

VI. SEMESTER – VI

Code No.	Course Title	L	T	P	M
Practical					
MC1851	Project Work	0	0	24	400

LIST OF ELECTIVES
M.C.A. (MASTER OF COMPUTER APPLICATIONS)

Code No.	Course Title	L	T	P	M
MC1621	Numerical and Statistical Methods	3	1	0	100
MC1622	Electronic Commerce	3	0	0	100
MC1623	Management Information Systems	3	0	0	100
MC1624	Web Graphics	3	0	0	100
MC1625	Human Resource Management	3	0	0	100
MC1626	Advanced Databases	3	0	0	100
MC1627	Software Quality Management	3	0	0	100
MC1628	TCP/IP Protocol Suite	3	0	0	100
MC1629	Distributed Computing	3	0	0	100
MC1630	Data Warehousing and Data Mining	3	0	0	100
MC1631	Component Based Technologies	3	0	0	100
MC1632	Managerial Economics	3	0	0	100
MC1633	Mobile Computing	3	0	0	100
MC1634	Digital Imaging	3	0	0	100
MC1635	Enterprise Resource Planning	3	0	0	100
MC1636	Agent Based Intelligent System	3	0	0	100
MC1637	Natural Language Processing	3	0	0	100
MC1638	Software Agents	3	0	0	100
MC1639	Supply Chain Management	3	0	0	100
MC1640	Healthcare Systems	3	0	0	100
MC1641	Portfolio Management	3	0	0	100
MC1642	Unix Internals	3	0	0	100
MC1643	Special Elective	3	0	0	100

- Academic calendar of the University:

Anna University, Chennai will prepare the academic schedule that includes commencement of classes, last working day, commencement of practical examination and theory examinations etc. This schedule will be published in the notice boards and copy will be circulated to the students.

- Academic Time Table

Academic Time table will be prepared before commencements of the classes. The timetable is authorized by the Principal and copy of the same will be given to the students for transference.

- Teaching Load of Each Faculty

For Assistant Professors & Lecturers

Theory subject : Maximum Two
No. of Periods allotted per theory subjects : 06
Laboratory Subject : 01
No. of Periods per laboratory subject : 08

For Director, Professors and HOD

Theory Subject : One Theory subject
No. of Periods allotted per theory subject : 06
No. of Periods per laboratory subject : 08

- Internal Continuous Evaluation System and place

To systematize and improve the quality of the educational system the Department has taken steps for the improvement of Quality standards and Procedures as per the ISO standards.

- Students assessment of Faculty, System in place

Faculties are assessed by the students as per the AICTE Prescribed format that contains 14 standard questions related with the performance of the teacher. The students will be directed to answer the question. It will be evaluated in a common standard format and if any staff member got low performance in any of the aspects it will be analysed by the HOD and Principal . The concerned faculty member will be properly counseled and if necessary additional training is to be provided.