New Horizon College of Engineering

Department of Master of Computer Applications

1st BOARD OF STUDIES MEETING

DATE: 01-08-2015

VENUE: MCA Department Library

TIME: 10.30 AM

NEW HORIZON COLLEGE OF ENGINEERING

1st BOARD OF STUDIES MEETING

DEPARTMENT OF MCA

Date   :   01-08-2015

Venue :   MCA Department Library

Time   :   10.30 AM

AGENDA

- **Agenda   1:** To consider Syllabus Content and Scheme of Examination for MCA Programme

- **Agenda   2:** To consider and recommend the changes in curriculum for MCA Programme.

- **Agenda   3:** To propose and approve the list of external examiners for MCA Programme.

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MEMBERS OF THE BOARD OF STUDIES

Sl No.	Category	Name of the Person
1	Chairman – BOS	Dr. V.Ilango, Professor and Head Department of MCA NHCE, Bangalore
2	Subjects Experts from outside the College nominated by Academic Council	Dr.T.V.Suresh Kumar Registrar-Academics Professor and Head Department of MCA MSRIT, Bangalore
		Dr. S.N.Chandrasekar Professor and Head Department of Computer Science and Engineering SJCIT, Chikbalapur
3	Expert from outside college, nominated by Vice-Chancellor	Dr.Ramesh, Professor and Head SSIT,Tumkur
		Dr.Vijaykumar Professor , CSE Dr.AIT, Bangalore
		Dr.Suchithra Professor, CSE Jain University, Bangalore
		Dr. Asokha Professor and Head Department of Computer Science and Engineering J.S.S.College of Engineering, Bangalore
		Dr. Vijay Karthic Professor and Head Department of Information Science Sri MVIT, Bangalore.
		Dr. Latha Sanmugam Professor and Head MVJ College of Engineering Whitefiled , Bangalore

4	Representative from Industry / corporate sector / allied area relating to placement nominated by Academic Council	Mr. Sreenivasa Ramanujam K., Project Manager, TCS
		Dr. Balaji Scientist, C-DAC, Bengalore
		Mr. Vipul Kumar Senior System Architect EMC² Bengalore
5	Postgraduate Meritorious alumnus nominated by Principal	Mr. Praveen Sinha Senior Executive Oracle., Bengalore
6	Faculty Members at different level veering different specializations	Dr. Asha V
		Dr. R.Chinnaiyan
		Prof. Sreeja
		Prof. Govinda Raju
		Prof. Krishna Chandra
		Prof. Nirmala
		Prof. Viswanatha
		Prof.Meenakumari
		Prof.Nithya
7	Co-opted members	Prof. Binoj Prof .Tirumurthy Prof..Jincy

MEMBERS PRESENT

Sl. No.	Category	Name of the Member
1	Chairman BOS	Dr. V.llango Professor and Head Department of MCA NHCE, Bangalore
2	Subjects Experts from outside the College nominated by Academic Council	Dr.T.V.Suresh Kumar Registrar, Professor and Head Department of MCA MSRIT, Bangalore
		Dr. S.N.Chandrasekar Professor and Head Department of Computer Science and Engineering SJCIT, Chikbalapur
3	Representative from Industry / corporate sector / allied area relating to placement nominated by Academic Council	Dr.Balaji Scientist, C-DAC, Bangalore
		Mr. Vipul Kumar Senior System Architect EMC^{2} Bangalore
4	Postgraduate Meritorious alumnus nominated by Principal	Mr. Praveen Sinha Senior Executive Oracle., Bangalore
5	Faculty Members at different level veering different specializations	Dr. Asha V
		Dr. R.Chinnaiyan
		Prof. Sreeja
		Prof. Govinda Raju
		Prof. Krishna Chandra
		Prof. Nirmala
		Prof.Viswanatha
		Prof.Meenakumari
		Prof.Nithya
6	Co-opted members	Prof. Binoj
		Prof .Tirumurthy
		Prof..Jincy

WELCOME ADDRESS BY THE CHAIRMAN OF THE BOS AND INTRODUCTION OF MEMBERS

- Chairman of BOS Dr. Ilango, welcomed all the members of BOS with a Bouquet
- He introduced all the members of the board
- He started off the presentation with the agenda and proceeded explaining the course credit structure in detail
- Then went on to present the Autonomous Syllabus Content and Scheme of Examination in detail
- Then the Forum was open for Discussion
- Every Member contributed enthusiastically to the discussion
- Very many valid points were kept in front of the Forum

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF MCA
1st BOARD OF STUDIES MEETING
AGENDA -1

To consider Syllabus Content and Scheme of Examination for MCA Programme

The following recommendation were made for considering the Syllabus Content and Scheme of Examination for MCA Programme 2015-2016 Autonomous batch

- Should C or C++ be there or should be removed?
- Instead Java can be included in its place
- Python can also be included
- Data Structures is mandatory
- Better to exclude C++ and come up with Java
- Start with HTML
- Simple programs can be given in First Semester in C Programming Laboratory as the first few programs
- Programs can be given from problem solving books
- Include introduction to various OS, basics of computers at the beginning as bridge course
- Should be encouraged to use unix flavours as bridge course
- Should be exposed to dual os and virtual os also
- Students can be encouraged to use Open Sources
- In question paper in the first question it is to be asked for 20 marks, which is to be asked covering the entire syllabus (objective, true/false/fill in the blanks)
- For Programming papers for every concept being taught practical sessions should be included
- Focus on basics for lower semesters

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF MCA
1st BOARD OF STUDIES MEETING
AGENDA -2

To consider and recommend the changes in curriculum for MCA Programme.

The following recommendation were taken for consideration

- I semester introduction to Java can be included
- C/C++ can be made as a mandatory Bridge Course
- Flow chart will help in understanding from the perspective of Logic
- In I year basics concepts to be dealt with
- II year advanced concepts to be dealt with
- III year industry requirements should be taken care of
- Heterogeneous background to be considered
- Learn ability level has gone down
- Mini projects to be included in earlier semesters
- Certification courses from emc2 can be included for free
- Instead of Numerical methods Probability can be included - Useful in implementing ATM and AI
- With student representatives and faculty representatives, their opinions can be got for new courses to be introduced

NEW HORIZON COLLEGE OF ENGINEERING

DEPARTMENT OF MCA
1st BOARD OF STUDIES MEETING
AGENDA –3

To propose and approve the list of External Examiners for MCA Programme

- Chairman of BOS proposed the detailed list of External Examiners with their Name, College, Experience and area of Expertise
- The list of Proposed External Examiners has been whole heartedly approved by the Board of Studies Members

List of External Examiners

Sno	Name and Address of the External Examiners
1	Phani sirisha , MCA , Associate Professor , 15 , 9972420116 ,phanisirisha8@gmail.com, C, Java, J2EE, AMC Engineering college, 18km, bannerghatta road, bangalore- 560083
2	J.Vani Nirmala, MCA ,Assistant Professor, 19 ,9663982006, j.vani71@gmail.com, c,c++, networks, Cambridge Institute of Technology. K R puram, Bangalore-560036
3	K. Sailaja Kumar , MCA , Assistant Professor, 10, sailajakumar.k@msrit.edu, c,c++,.NET MS Ramaiah Institute of technology, MSR Nagar, MSRIT Post, Bangalore – 560 054
4	Dr. Latha Shanmugam, Prof, 12, 9739660163, lathashanmugam4@gmail.com, System Software, UID, OOMD, MVJ College of Engineering, ITPL Main Road, Near ITPB, Whitefield, Bangalore 560067
5	Prof. C .M. Manjula Prasad, MCA, 16, 9739401731, manjulaprasad@pes.edu, DBMS, OOMD, Software Engineering, C++, PESIT – South Campus, Hosur Road, Electronic City, Bangalore 560100
6	Prof. Danthuluri Sudha, MCA, 6, 9008066539, danthuluri.s@cmrit.ac.in, C, Data Structures, UNIX, System software, CMR Institute of Technology, 132, AECS Layout, Kundanahalli, ITPL Main Road, Bangalore 560037
7	Prof. Smitha Vinod, MCA., M.Phil., (PhD), Assistant Professor, (12 Years of Experience), Department of Computer Science, Christ University, Bangalore. Mobile:- 9886495919, Mail:- vinod.smitha@gmail.com.
8	Dr. Ambika Ram, MCA, PhD., Assistant Professor (8 years of experience),Department of MCA, Kirsty Jayanti College of Management And Technology, Bangalore. Mobile – 9590399036, Mail - ambika.p@kristujayanti.com
9	Prof. Sindhu, MCA, Assistant Professor (11 years of experience),Department of MCA, Cambridge institute of technology, Bangalore,Mobile:- 9880271020
10	Dr.Vinaya Moorthy, Prof, 23, Dept of MCA, Reva University ,Bangalore
11	Prof.Sudiptodas/asst. professor/Dept. of MCA/CMR Institute of technology,#132 AECS Layout/IT Park road near gopalanan enterprises, kundalahalli gate,banglore-37/10 years of exp/MCA/9845729290 /Email:sudiptodasonline2gmail.com
12	Mrs. Supriya, Asst. Prof.,Dept. of MCA, MVJ College of Engg., Near ITPL, Channasandra, Bangalore - 67.Mobile: 9845629985
13	Prof.S. Ajitha ,Department of MCA, MSRIT., Mathikere Road Near, Yeshwanthpur,Bangalore-54
14	Prof.Evangelin Geetha Department of MCA, M.S.R.I.T., Mathikere Road Near, Yeshwanthpur,Bangalore-54
15	Sharath, Sr. Lecturer, Dept of MCA, Bangalore Institute of Technology, Chamarajpet, Bangalore, 9980162223, 11 years of Experience
16	Prof. Raghavendra Rao, Assistant Prof, Dept of MCA, SirMVIT, Bangalore. Experience: 10 Yrs.
17	Prof. Pradeep, Assistant Prof, Dept of MCA, MVJCE, Bangalore. Experience: 8 Yrs.
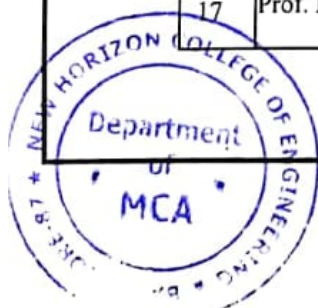
RECOMMENDATIONS OF THE BOARD

* Java, C++ can be given as bridge course at the beginning of a semester.
* More simple programs can be included in the first semester c laboratory.
* Problem solving books can be referred to come up with simple programs.
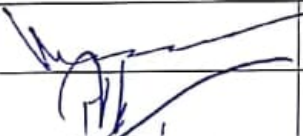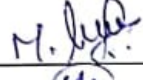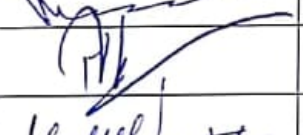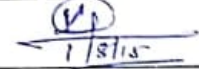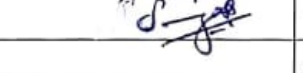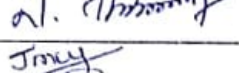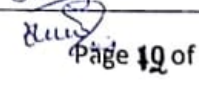* Basics of operating system concepts can be given as bridge course.
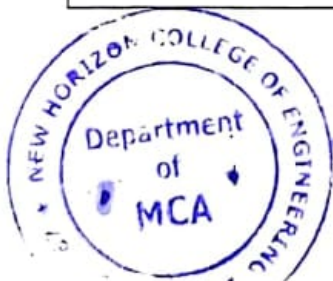* Students can be encouraged to use open sources
* Basic concepts should be given importance in lower semesters.
* In question papers, first question for 20 marks to be given as multiple choice covering the entire syllabus.
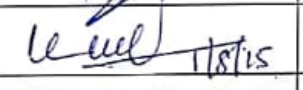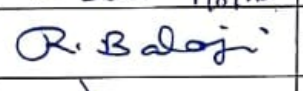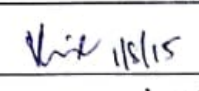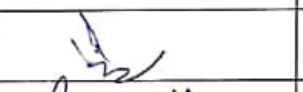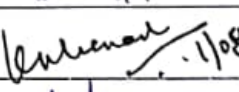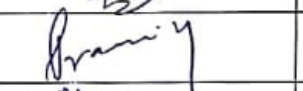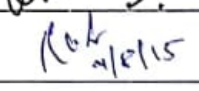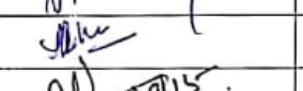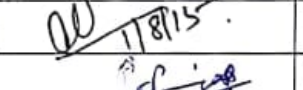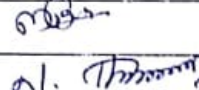
Name and Signatures of all the Attendees:

Name	Signature	Name	Signature
Dr. V.Ilango Chairman-BOS		Prof. Govinda Raju	M. lye
Dr.T.V.Suresh Kumar		Prof. Krishna Chandra	1/8/15
Dr. S.N.Chandrasekar	1/8/15	Prof. Nirmala	A P Re 1/8/15
Dr.Balaji	R. Balaji	Prof.Viswanatha	Vix 1/8/15
Mr. Vipul Kumar		Prof.Meenakumari	1/08/15
Mr. Praveen Sinha		Prof.Nithya	4/8/15
Dr. Asha V		Prof. Govinda Raju	
Dr. R.Chinnaiyan	1/8/15	Prof. Binoj	
Prof. Sreeja		Prof .Tirumurthy	N. Thmmy
		Prof..Jincy	Jincy

Prof. Kavitha. SN.

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RECOMMENDATIONS OF THE BOARD

- Advanced languages like Java, C++ can be given as bridge courses at the beginning of the semester

- More simple programs can be introduced in the C Programming Laboratory in the I semester by referring to Problem Solving Books

- Basics of Operating Systems can be included as a bridge course to begin with

- Students should be encouraged to use Open Sources

- Basic concepts should be given importance in the lower semesters

- In the Question Paper the first question should be for 20 marks of Multiple choice Questions covering the entire syllabus

- With all the above said points considered the I Year Proposed MCA Syllabus-2015 under Autonomous has been approved by the Board of Studies Members

Dr. V.Ilango
Chairman-BOS

Dr.T.V.Suresh Kumar

Dr. S.N.Chandrasekar

Dr.Balaji

Mr. Vipul Kumar

Mr. Praveen Sinha

Sl. No.	Existing	Remarks
1	PROGRAMME OUTCOMES A-O (1-15)	Try to Make it A-L (1-12)
2	1 SEM -30 Credits 2 SEM -30 Credits	If Possible Try to make it 25 + 25 Credits
3	15MCA13 Digital Electronics and Computer Organization HAVING Self Study Component	Not Required
4	15MCA15 Introduction to Web Technologies Having self study Component	Replace Self study component S to P (Practical) Add HTML5 and CSS3 contents
5	15MCA14 Introduction to Unix Having Tutorial Component	Not Required, Make it as S (Self Study;In that students should run UNIX Commands in various shell environments)
6	15MCA23 Operating Systems Having self study Component	Not Required
7	15MCA24 System Programming Having Tutorial Component	Not Required
8	15MCA28 OOP with C++ Laboratory Having 1 credit	Make it 2 Credit in Laboratory
9	PROBLEM SOLVING USING C Balagurusamy: Programming in ANSI C Tata McGraw Hill, 2008 V Rajaraman: Computer Programming in C, PHI, 2000	Add Latest Edition books
10	DISCRETE MATHEMATICS AND GRAPH THEORY	Add Latest Edition books
11	INTRODUCTION TO UNIX	Add Latest Edition books
12	DATA STRUCTURES USING C	Add Latest Edition books
13	Object Oriented Programming Using C++	Add Latest Edition books

VOTE OF THANKS BY THE CHAIRMAN-BOS

- BOS – Chairman consolidated the recommendations proposed by the BOS Members
- It was assured that the proposed changes will be incorporated with immediate effect
- Recommendations were signed by every member of the BOS
- Vote of thanks was proposed by the BOS Chairman
- He conveyed his heartfelt thanks to all the members for their valuable input
- He presented Mementos to all the Subject Experts from outside the College, both from Academic and Industry, nominated by the Academic Council

Annexure1 :- Detailed Syllabus and Scheme of Examination before the BOS Meet

Annexure2 :- Detailed Syllabus and Scheme of Examination after incorporating the Recommendations made by the Board