

## **Minutes of the 32<sup>nd</sup> meeting of the School Board of School of Computer and Information Sciences IGNOU**

The 32<sup>nd</sup> meeting of the School Board of School of Computer and Information Sciences was held at 11:00 a.m. on May 25, 2011 (Wednesday), in Conference Room, SOMS, Block 'C', New Academic Complex, Indira Gandhi National Open University (IGNOU), Maidan Garhi, New Delhi-110068.

The following members of the School Board were present:

Prof K Srivathsan, PVC, IGNOU	(Special Invitee)
Prof. S.B. Arora, SOHS, IGNOU	(Member)
Dr. Gurchain Singh, SOCE, IGNOU	(Member)
Dr. M.K. Bhardwaj, SOET, IGNOU	(Member)
Sh Shashi Bhuvan, SOCIS, IGNOU	(Member)
Sh Akshay Kumar, SOCIS, IGNOU	(Member)
Dr. Naveen Kumar, SOCIS, IGNOU	(Member)
Sh M P Mishra, SOCIS, IGNOU	(Member)
Prof Manohar Lal, Director, SOCIS, IGNOU	(Chairman)

Prof. Kamal Yadav, Sh. P.V. Suresh and Sh. V.V. Subrahmanyam being on vacation, and out of station, could not attend the meeting.

At the outset, Prof. Manohar Lal welcomed the members of School Board. Further, he informed that the term of the following external members have expired:

1. Prof Om Vikas  
Former Senior Director, MICT & Former Director, NIT –Gwalior,  
C-15 Tarang Apartment, 19, I.P. Extension Delhi-110092, Phone: 9868404129 (M),  
011-22723235 (R), Email: dr.omvikas@gmail.com, om\_vikas@yahoo.com
2. Prof Chandan Singh  
Dean Faculty of Science & Technology,  
Punjab University, Patiala, Phone: 09872043209 (M), 0175-2283209 (R)  
Email: chandan.csp@gmail.com
3. Prof A. K. Tripathi  
Professor & Head, Department of Computer Science &  
Engineering, IIT-BHU, Varanasi, Email: aktripathi.cse@itbhu.ac.in
4. Prof S Arun Kumar  
Department of Computer Science and Engineering,  
IIT Delhi, Phone: + 91 (11) 6857649, 861977-6861986, Fax + 91 11 6868765  
Email: sak@cse.iitd.ac.in
5. Mr. Karan Bajwa  
Director – Public Sector, Microsoft India,  
7th Floor, Tower B, DLF infinity Towers, DLF Cybercity, Sec 25A, Gurgaon, India, Pin 122002  
Ph 124 4158839, Mobile: 09999999456, Email: karanba@microsoft.com

He, on behalf of the School and the School Board thanked the above-mentioned experts for their valuable contributions.

**Item No. 32. 1 Confirmation of the minutes of the 31<sup>st</sup> meeting of School Board of SOCIS held on Oct 23, 2010.**

**Discussion:**

Director (SOCIS) informed the members that the minutes of 31<sup>st</sup> meeting were duly circulated to its members and no comments were received on the minutes.

**Decision:**

Since no comments were received, the School Board approved the minutes of the 31<sup>st</sup> meeting of School Board of SOCIS held on Oct 23, 2010.

**Action Taken in respect of the decisions of the 31<sup>st</sup> meeting of the School Board.**

**Item No. 31.6: To consider Phase-1 form of Certificate in ICT Enabled Professional Skills for Police and Security Personnel**

It was informed to the members by programme co-coordinator, Dr. Naveen Kumar that suggestions given by the members in 31<sup>st</sup> school Board meeting were communicated to Expert Committee members. Expert Committee members expressed that the equal importance to humanity and communication skill courses be given in the programme. He also informed that the development of courses is under progress.

**Item No. 31.11: To consider for recommendation/ approval of courses as electives for M.Phil/Ph.D programme (s)**

Planning division has allotted course codes for the approved courses.

**Item No. 31.12: To consider the recommendations of the following candidates for admission to Ph.D Programme**

- (i) Parameshwaran Seshan
- (ii) Amit Mahajan

Mr. Parameshwaran Seshan and Mr. Amit Mahajan have been registered for Ph.D programme of SOCIS with enrolment numbers respectively 112246765 and 112246504 for January 2011 cycle.

**Item No. 31.14: To consider the request from Mr. Vipul Vashisht, a Ph.D student already registered, for co-guide.**

Request of Mr. Vipul Vashisht for having Prof. Manohar Lal as additional Co-guide is accepted in the 17<sup>th</sup> meeting of the Research Council (vide Circular No. IG/RU/Ph.D/10/1663 dated 31.1.2011).

**Item No 32.2: To consider and approve Phase-II Form of Master of Technology (M. Tech) Computer Science Programme.**

**Discussion:** The Programme Co-ordinator, Sh. Akshay Kumar presented recommendations made by expert committee in regard of M.Tech programme in Computer Science especially in the area of infrastructure and other requirements. After discussion of the various issues, the school board agreed to the suggestions made by the expert committee.

**Decision:** Phase-II form of Master of Technology (M.Tech) Computer Science programme was approved with the recommendations that infrastructure and faculty should be in place before launch of the programme.

**Item No 32.3: Credit Transfer Policy for BCA (Pre-Revised Syllabus) to BCA (Revised Syllabus)**

School board considered and recommended the following credit transfer policy for BCA (Pre-Revised Syllabus) to BCA (Revised Syllabus) suggested by faculty of SOCIS. Also school board recommended that there be no need of credit transfer policy from BCA (Old Syllabus) to BCA (Revised Syllabus), as there are lots of differences in the syllabi and hence no appropriate credit transfer policy is possible.

<b>BCA Pre Revised Syllabus</b>			<b>BCA (Revised Syllabus)</b>		
<b>The Courses for whom credit transfer to be given</b>			<b>The Courses in which credit transfer to be given</b>		
<b>Course code</b>	<b>Title</b>	<b>Credit</b>	<b>Course code</b>	<b>Title</b>	<b>Credit</b>
<b><u>CS-610</u></b>	Foundation Course in English for Computing	04	<b><u>FEG-02</u></b>	Foundation Course in English-2	04
<b><u>FHS-01/ BSHF-101</u></b>	Foundation Course in Humanities and Social Sciences	08	None		
<b><u>CS-611</u></b> + <b><u>CS-612</u></b>	Computer Fundamentals and PC Software + PC Software Application Skills	04 + 04	<b><u>BCS-011</u></b>  + <b><u>BCSL-013</u></b>	Computer Basics and PC Software  + Computer Basics and PC Software Lab	03  + 02
<b><u>FST</u></b>	Foundation Course in Science and Technology	08	None		
<b><u>CS-63</u></b>	Introduction to System Software	04	None		
<b><u>CS-05</u></b>	Elements of System Analysis and Design	04	<b><u>MCS-014</u></b>	System Analysis and Design	03
<b><u>CS-68</u></b>	Computer Networks	04	<b><u>BCS-041</u></b>	Fundamentals of Computer Networks	04
<b><u>BCS-061</u></b>	TCP/IP Programming	04	<b><u>BCS-52</u></b>  +	Network Programming and administration Network	03  01

			<b><u>BCSL-056</u></b>	Programming and administration Lab	
<b><u>CS-70</u></b>	Introduction to Software Engineering	04	<b><u>BCS-051</u></b>	Introduction to Software Engineering	03
<b><u>CS-71</u></b>	Computer Oriented Numerical Techniques	04	<b><u>BCS-054</u></b>	Computer Oriented Numerical Techniques	03
<b><u>CS-060</u></b>	Foundation Course in Mathematics Computing	08	<b><u>BCS-012</u></b>	Mathematics	04
<b><u>CS-062</u></b>	'C' Programming & Data Structure	04	<b><u>MCS-021</u></b>  + <b><u>BCSL-033</u></b>	Data and File Structures  Data and File Structures Lab	04  01
<b><u>CS-06</u></b>	Introduction to DBMS	04	<b><u>MCS-023</u></b>	Introduction to DBMS	03
<b><u>CS-064</u></b>	Introduction to Computer Organization	04	<b><u>MCS-012</u></b>  + <b><u>BCSL-022</u></b>	Computer Organization and Assembly Language Programming  Assembly Language Programming Lab	04  01
<b><u>CS-065</u></b>	Window Programming	02	None		
<b><u>CS-066</u></b>	Multimedia	02	None		
<b><u>CS-067</u></b>	RDBMS Lab	04	<b><u>BCSL-034</u></b>	DBMS Lab	01
<b><u>CS-072</u></b>	C++ and Object Oriented Programming	04	<b><u>BCS-031</u></b>  + <b><u>BCSL-032</u></b>	Programming in C++  C++ Programming Lab	03  01
<b><u>CS-073</u></b>	Theory of Computer Science	04	None		

<b>CS-074</b>	Introduction to Internet Programming (Java, ActiveX)	02	<b>BCSL-043</b>	Java Programming Lab	01
<b>CS-075</b>	Intranet Administration	02	None		
<b>CS-076</b>	Project	04	None		

**Item No 32.4: Proposal for Changing Course code of AST-01: Statistical Techniques**

**Discussion:** M.P.Mishra , BCA Programme Coordinator informed the members about the suggestion of Academic Council in its 55<sup>th</sup> meeting held on 05-04-201 regarding adopting the course AST-01 in BCA Programme with some other course code. The Academic Council has suggested that Course Code of AST-01 be changed to some other code in the light of the fact that 10+2 Mathematics is a pre-requisite for pursuing AST-01 course, however for pursuing BCA (Revised Syllabus) Programme, Mathematics at 10+2 is not a compulsory requirement.

He proposed in stead of course code of AST-01, the course code be **BCS-040: Statistical Techniques.**

M.P.Mishra also informed the School Board that the rules and criteria of counselling, examination and evaluation for BCS-040: Statistical Techniques course will be similar to AST-01 course. Also school will make some minor changes in syllabus of AST-01 course before adopting it as BCS-040 course to make this course pursuable by non math 10+2 students in IV semester (**after doing first 3 semesters of BCA (Revised Syllabus) Programme**). The school will make necessary minor changes in BCSL-044: Statistical Techniques Lab as per requirements of **BCS-040: Statistical Techniques course.**

**Decision:** The school board considered and approved the proposal to change course code of AST-01, a course of BCA (Revised Syllabus) Semester IV, to **BCS-040: Statistical Techniques.**

**Item No 32.5: Reporting Item: Waiving off CIC and MTE 03 from MCA / BCA programs**

**Discussion :** BCA Programme Coordinator Mr. M.P. Mishra informed the school board about School's request to the competent authority that : "CIC Programme and MTE03 course are the pre-requisites for BCA/ MCA as well as BCA/MCA (integrated) for both old and new syllabi, for a specific set of students. However it was found that large number of BCA/MCA students are able to complete BCA/MCA successfully, except for completing CIC/MTE-03. Considering this, SOCIS faculty proposed for **"Waiving off CIC and MTE 03 from MCA / BCA programs"**.

**The approval of the** competent authority for the same has been obtained and all the concerned divisions are communicated to take further necessary action on the decision.

**Decision:** Item has been reported to School Board and school board appreciated the decision.

**Item No. 32.6** **To consider and approve Phase-1 form for revision of Certificate in Information Technology (CIT)**

**Discussion:** Prof. Manohar Lal explained that SOCIS launched CIT programme from July, 2009 cycle. The process for the launch of CIT commenced in 2006. However, considering the current IT scenario, it was decided to propose the revision of CIT that may enable learner to apply IT in his/her day to day's activities. Phase-1 form (Annexure-1) is herewith submitted for consideration and approval.

**Decision:** Phase-1 form of CIT programme was approved by the School Council.

**Item No. 32.7: Permission to exempt the mathematics course for the students with mathematics subject at Graduation/Master Degree Level**

**Discussion:** MCA Programme Coordinator, Dr. Naveen Kumar explained that currently those students who have Mathematics at 10 + 2 level are given exemption from CS-60 course of MCA. He emphasized that for the purpose of exemption there is need for considering the mathematics subject at Graduation/Master Degree Level like mathematics subject at 10+2 level.

**Decision:** Members agreed on the following suggested eligibility criteria of MCA Programme:  
*"Any Graduate from a recognized university. However, the students who have not pursued Mathematics as a distinct subject at 10+2 level OR at Graduation/Masters /Higher Degree Level are required to pursue and pass the CS-60 course concurrently."*

**Item No. 32.8: Permission to exempt the mathematics course for the students who have successfully completed all other courses of MCA programme except CS-60.**

**Discussion:** Dr. Naveen Kumar elaborated the matter to the members and gave some cases where some of the MCA students completed all the courses of MCA programme but couldn't complete the pre-requisite CS-60 course. The CS-60 course in MCA is a bridge course to provide 10+2 level mathematical knowledge to the students of non-mathematical background so that they can properly understand some of the MCA courses in-depth.

**Decision:** Considering the objective of bridge course CS-60 and capabilities of some the brilliant students, Members agreed on the recommendation of School Council to give permission to exempt the CS-60 course for the students who have successfully completed all other courses of MCA programme except CS-60 course.

**Item No. 32.9** **Reporting Item: Permission for declaration of list of failed students in MCA and BCA final year project by the Regional Centres.**

**Discussion:** MCA Programme Coordinator, Dr. Naveen Kumar reported to the School Board members that in order to save undesired wastage of student's time, opportunity be given to a student failed in project course (*MCA or BCA final year project*) to submit his/her synopsis again in the currently running cycle of synopsis submission. Further, he told that the School Council recommendation for declaration of list of failed students in MCA and BCA final year project by the Regional Centers was approved by Vice-Chancellor on 08.02.2011. Communication in this context is already sent to the concerned Centers and Divisions.

**Decision:** School Board ratified the decision of School Council duly approved by the Vice-Chancellor.

**Item No. 32.10 *Reporting Item: Considering the score of 35% marks in any Term End Examination as passing marks for CS-60 course as a one time special provision.***

**Discussion:** It was reported to the School Board Members that at present large number of students are facing difficulties in qualifying CS-60 course of MCA/BCA. Considering this, Vice chancellor had approved the recommendation of the School for one time special mechanism as given below:

*"An MCA/BCA student who has scored at least 35% marks in CS-60 course, in any of TEEs held so far, should be deemed to have passed /cleared the CS-60 course, subject to all other conditions such as valid registration in the Programme etc".*

**Decision:** School Board ratified the decision of School Council duly approved by the Vice-Chancellor.

**Item No. 32.11 *Reporting Item: Extension of duration of MCA (old syllabus), BCA-MCA integrated (old syllabus) and BCA (old and pre-revised syllabus) programmes.***

**Discussion:** It was reported to the School Board members that School had large number of students' grievances and requests for extension of duration of MCA (old syllabus), BCA-MCA Integrated (old syllabus), BCA (old syllabus) and BCA (old syllabus)-MCA (revised) Integrated) programmes. School had also analyzed the old syllabus students' examination data, pass percentage and left-out courses of the students. Considering different aspects and issues, School requested for permission to enable these students for appearing in the TEE June 2011 and December 2011. This request of the school council was approved by Vice-Chancellor. Communication in this context is already sent to the concerned Centers and Divisions.

**Decision:** School Board ratified the decision of School Council duly approved by the Vice-Chancellor.

**Item No. 32.12: Change of Ph.D. Thesis Topic by Lalit Bhasin (Ph.D. scholar 2010 batch)**

**Discussion:** Prof. Manohar Lal told that one of the Ph.D. students, viz. Mr. Lalit Bhasin, enrollment no. 100165563 working under the supervision of Prof. Arun Dua has requested for allowing him to work on a new research proposal with title for his Ph.D.:

*“Comparative study of available cloud management systems and design an optimal solution for cloud based web hosting” .*

He further told that, in this context, an expert committee consisting of

1. Prof. P.C. Saxena, J.N.U. Delhi
2. Prof. C.P. Katti, J.N.U. Delhi
3. Prof. Manohar Lal, SOCIS, IGNOU

Considered the proposal and recommended that the new proposal may be accepted.

**Decision:** The members considered the proposal and accepted the recommendation of the expert committee.

**Item No. 32.13 Consideration of the Progress Reports of Ph.D students.**

**Discussion:** Prof. Manohar Lal told the members that the Progress Reports of various candidates registered to Ph.D., are required to be sent periodically every six months, by their respective supervisors. The School has received Progress Reports in respect of 14 Ph.D. students. These reports are placed before School Board for approval before being sent to Research Unit for further necessary action.

**Decision:** The members approved the above-mentioned Progress Reports.

**Item No. 32.14 Introduction of New Courses for Ph.D. programme in Computer Science.**

**Discussion:** The School has registered 26 students to its Ph.D. programme since January, 2009. These students are registered under the supervision of School faculty and experts from all over India. The students are required to pursue course work from 8 credits to 32 credits (*list attached as Annexure-1*).

Some of the courses were launched on the recommendation of the School duly approved by School Board and other academic bodies of the university. However, the supervisors are allowed to submit proposals for introducing new courses, appropriate to the area of research of their Ph.D. students. Then these proposals are examined and possibly modified or rejected, by School Council. The proposals, found appropriate, after due modifications, by the faculty are being placed before the School Board for its consideration.

The School has received syllabi for the following courses, each of six credits:

- Introduction to Artificial Intelligence
- Software Engineering
- Software Architecture
- Software Testing



- Ad-hoc network  
and
- E-learning (2 credit)

Prof. Manohar Lal further told that the syllabi have been examined by School faculty. The matter was placed for consideration of the School Board.

**Decision:** It was decided that an expert committee, constituted for the purpose, may examine the syllabi. The decision of the expert committee will be acceptable to the School Board.

**Item No. 32.16 (Under any other item)**

**Discussion:** Prof. Manohar Lal told the members that a list of examiners proposed by the supervisor and the Director of the School, in respect of the Ph.D. candidate Mr. Sunil Vijay Kumar Gaddam, enrollment no. 100165593, is required to be sent by the Director to Research Unit.

**Decision:** The School Board approved the sending of the list of examiners by the Director.

The meeting ended with a vote of thanks to the chair.