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(i) Recommendation of the Expert Committee  
for the Department of Computer Application,

The Vice-Chancellor had appointed an Expert Committee for the Department of Computer Application. The Committee held its first meeting on the 24-25th April 98, and submitted its recommendations as is placed at Annexure-'A'

The recommendation of the Expert Committee was placed before the 57th meeting of the Academic Council which Resolved to approve the same in principle and appoint a core-Group consisting of the following members for the setting up of the Department :

1. Prof S K Mishra - Chairman
2. Prof S S Khare - Member
3. Prof P Shukla - Member
4. Prof A N Rai - Member

The matter is placed before the Council for consideration.

CL

## ANNEXURE 'A'

Minutes of the Expert Committee Meeting to set up Department of Computer Applications at NEHU held during April 24-25, 1998.

## Members Present

1. Prof. Siddhartha Barua
2. Prof. S S Khare
3. Prof. S.K. Mishra (Chairman)

## Members Absent

1. Prof. S. Biswas
2. Prof. S Barua
3. Prof. H K Barua
4. Prof. M Dutta

Mr. JMS Khongwir (Convener).

The Expert Committee met on 24th and 25th April, 1998 and made the following recommendations:

## Recommendations :

1. The Committee observes that although computer education has been taken up by universities under UGC and specialised institutes under the AICTE, a Central University such as NEHU has not been able to start the MCA programme. It is high time that the above programmes should be taken up on priority basis. It is further recommended that the necessary documents for starting of above programmes on UGC pattern under AICTE Guidelines may be obtained urgently and necessary approval and sanction should be obtained before July, 1998.
2. The Core Faculty Members appointed in the Department of Computer Applications will necessarily have qualification in Computer applications (MCA) or Computer Science/Engineering at Masters degree level.
3. It is suggested that a Core group of three to four members to accomplish the task of formulating the detailed course contents, writing to AICTE and DOE for necessary approval within a fortnight may start working. The local members of the Expert Committee may be requested to form a task force to undertake the above assignment. Additional members may be included in the Core Group if a need is felt. The Committee requests the Vice-Chancellor to provide them the necessary administrative/financial and other support to accomplish the task. After completion of the task, a meeting of the Expert Committee would be convened immediately to decide on further steps to be taken.

4. Suggested courses for three-years MCA Programae

A: Compulsory courses

Semester I

- 1. Mathematical Foundations of Computer Science
- 2. Computer Programming and Problem solving
- 3. Computer Organisation -I
- 4. Combinatorics and Graph Theory
- 5. Numerical Analysis and Statistical Techniques
- 5. Programming Laboratory -I (Pascal-Based)

Semester II

- 1. Data and File Structures
- 2. Computer Organisation-II
- 3. Business Data Processing and COBOL
- 4. Optimisation Techniques
- 5. Accounting and Financial Management
- 6. Programming Laboratory -II (C-Based and COBOL based)

Semester III

- 1. System Softwares
- 2. system Analysis and Design
- 3. Data Base Management Systems
- 4. Object-oriented Programming and Design
- 5. Software Tools and Techniques
- 6. Programming Laboratory-III (C++)

Semester IV

- 1. Operating Systems
- 2. Computer Architecture
- 3. Information System Design and Implementation
- 4. Computer Communications
- 5. Elective-I
- 6. Programming Laboratory-IV (DBMS, 4GL, Oracle and Operating System)

Semester V

- 1. Interactive Computer Graphics

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2. Computer Net-works
3. Software Engineering
4. Elective - II
5. Elective - III
6. System Development Project-I

Note : From Semester I to V Course Nos 1 to 5 each will have 100 marks (75 end semester and 25 internal assessment) and Course No. 6 in each semester will be of 200 marks (100 end semester and 100 sessionals).

Semester VI

System Development Project -II  
(Project 500+Seminar 100+Viva Voce 100 marks)

#### ELECTIVES

##### Elective Group -I

- \* Organisational Structure and Personnel Management
- \* Design and Analysis of Algorithms
- \* Programming Languages and Paradigms

##### Elective Group - II

- \* Microprocessors
- \* Artificial Intelligence
- \* Distributed System
- \* Image Processing
- \* Expert Systems

##### Elective Group -III

- \* Multimedia Systems
- \* Web Technology
- \* Computer aided Management
- \* Management Economics
- \* Simulation and Modelling
- \* Marketing Management
- \* Office automation Technology
- \* Computer-oriented Statistical Methods
- \* Compiler Designing
- \* Computer-oriented Numerical Methods
- \* Industrial Robotics

It may be noted that DoE norms have been followed in formulating the above courses.



(ii) Centre for Buddha/ Gandhi / Nehru and Ambedkar Studies.

EC:97:98:5:6:(ii): The Council considered the assignment of the Centres for Buddha , Nehru and Ambedkar Studies in the University and RESOLVED to approve the same as recommended by the Academic Council.

(iii) Introducing a Course in Philately.

EC:97:98:5:6:(iii): The Council considered the introduction of a Course in Philately and RESOLVED to accept the recommendations of the Academic Council.

(iv) Recommendation of the Expert Committee for the Department of Computer Applications.

EC:97:98:5:6:(iv): The Council considered the recommendations of the Expert Committee for the Department of Computer Applications and RESOLVED to accept the same including the appointment of a Core group consisting of the following members.

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|--------------------|----------|
| 1. Prof. SK Mishra | Chairman |
| 2. Prof. SS Khare  | Member   |
| 3. Prof. Shukla    | Member   |
| 4. Prof. AN Rai    | Member   |

5:7: AFFILIATION

(i) Affiliation of various Colleges.

EC:97:98:5:7:(i): The Council considered the affiliation cases of the various colleges and RESOLVED to approve the same subject to fulfilment of the conditions laid down by the Inspection Teams.

(ii) Regional Para-Medical and Nursing Training Institute, Aizawl- Report of the Inspection Team.

EC:97:98:5:7:(ii): The Council considered the affiliation of the Regional Para Medical and Nursing Training Institute, Aizawl and RESOLVED to approve the same subject to fulfilment of the conditions laid down by the Academic Council.