

# Yearly Plan for IQAC 2010-11

## School of Mathematics , DAVV, Indore

### 1. Curriculum Aspects :

The School of Mathematics offers M.A./M.Sc. (Mathematics- 4 Semesters) and M.Phil. (Mathematics- 2 Semesters). The revised syllabus suggested by UGC was accepted in toto and it is being followed ever since. The compulsory courses offered at M.A./M.Sc. level cover all basics in various branches of Mathematics and optional courses cover advanced subjects. The syllabus caters to the preparation for competitive examinations like UGC/CSIR, JRF, NET and civil services.

The suggestions for improvement in courses and related issues, from the faculty are incorporated from time to time. New text books related to the courses are used in teaching. The syllabus, question papers of all the examinations held are placed before the external examiner conducting comprehensive viva-voce and evaluative report is obtained. Suggestions in the report are followed in the following semester.

To make students attain basic working knowledge on computers, III & IV Semester students have been assigned computer oriented project on experimental level. Subject to positive feed back from the students which will be taken at the end of the Semester i.e. 12.5.11, these will be introduced in the curriculum.

Students of the department either go in for teaching jobs or go for higher studies in elite institutions like IIT's. Two students cleared NET examination last year.

At the end of each semester i.e. in December and May feed back from students about the faculty and the course are obtained. Feedback about the faculty will be passed on to the faculty for necessary action and that about the course is analyzed point wise. The points where the feedback is not good will be addressed to in the following semester. The analysis of feedback on course taken in December 2010 is enclosed.

### 2. Strategies of Teaching Learning

Teaching Learning process

The department strictly follows University academic calendar for the course.

Teaching Method: Mainly blackboard teaching.

Library: School has a well established departmental Library with latest editions of books. Recently books worth Rs. 2.0 Lakhs were purchased from UGC XIth Plan Grant.

The facility of INFLIBNET and electronic journals is available with the university and is widely used by the students, research scholars and faculty members.

#### **Teacher quality**

There is One Professor (CAS) and 2 Readers(1 CAS) in the department. All the teachers have Ph.D. qualification.

#### **Evaluation Process and Reforms**

The evaluation of teachers by the students is in the form of feedback. The evaluation of the students takes place during the course. This includes 3 class tests followed by a final examination for each theory paper. Grades are awarded as per Ordinance 31. The students are shown the answer sheet after evaluation and the questions are discussed in the class.

The examination result is declared within 2 weeks of the examination.

### **3. Research, Consultancy and Extension:**

#### **Research and Publication output.**

#### **List of Publications (2010-11)**

#### **Collaborations**

The faculty members have research collaboration with members of Institutes like TIFR (Mumbai), CMI(Chennai) etc.

#### **Lectures / Seminars organised in the department**

Three guest lectures were organised for students of the department. The details are as follows

- 1- Prof. M.S. Narasimhan, FRS addressed the students of the department on 22-3-2011.
- 2- Prof. S. Kumaresan held interactive session with the students of the department on basics of Topology on 6-4-2011.
- 3- Prof. D.N. Verma, ex-member of TIFR has delivered a lecture on “Some Important Problems in Theoretical Computer Science-elementary Mathematical Solutions” in the department on 22-4-2011.

### **4. Infrastructure and Learning Resources**

Existing infrastructure is being improved, for example, flooring in the class rooms & library has been renovated.

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IT centre as learning resources: The University has IT centre which provide internet facility to the department.

### **5. Student Support and Progression**

Student progression is monitored regularly and their feedback is used for quality enhancement. Students are encouraged to apply for summer training programmes in Mathematics. One II semester student has been selected for Mathematics Training & Talent Search (MT&TS) programme, to be held in Mumbai and another for summer training in Mathematics to be held in Harish Chandra Research Institute ( Allahabad).

### **6. Governance and Leadership**

#### **7. Innovative practices**

All efforts are made to implement suggestions from Faculty members and students for quality improvement.

#### **Plan on improvement in Relationship with stakeholders**

Students will be encouraged to follow the best practices under academic and extra-curricular activities. Regular monitoring of the students and interaction with them will definitely improve academic environment and also motivate students for the result oriented approach.

#### **Evaluative report of the Department**

Faculty Profile

Number of Faculty members in position:

A) Professor 1 (CAS)  
B) Reader 2 (1 CAS)

Name of the Faculty Member	Designation	Highest Qualification
Dr. K.N. Rajeswari	Professor	Ph.D.
Dr. M.N. Dumaldar	Reader	Ph.D.
Dr. D.K. Panchal	Reader	Ph.D.

**Plan on improvement:**

**Computer laboratory will be updated using UGC XI plan grant.**

**Name & Signature of the  
Coordinator QAC**

**Name & Signature of the  
HEAD, UTD**