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6.2.3 Report on implementation of e- governance in student's admission & support

The institute has developed system for e-governance in the area of 'Student's admission & support'.

Computer engineering department was consulted to develop software for above areas. Mr. Ketan Kundiya from computer engineering department was given the responsibility in the year 2016-17. He developed it in the same year and necessary changes were incorporated during 2017-18 and 2018-19.

By implementing e-governance in the areas mentioned above, student's data is made available at the ease of single click.

In depth description of different aspects of software is given below.

- 1. Student Admission software** -- We have developed in house Student Admission software. This was developed by Computer Engineering development in academic year 2016-17. Student Admission software system has all the information about the students.

Objectives

- a) The system allows the admin to enroll First Year and Direct Second students.
- b) Students Details like General Information i.e Name, Gender, Blood group, Local & Permanent address, contact information of students & their parents, Admission Information i.e. Admission category, Seat type etc., Educational Information i.e. SSC, HSC, CET marks, JEE marks, Diploma marks, Bank details, Aadhar card number, Family annual income, Parents qualification, Parents occupation to admit students are stored on the MySQL database.
- c) Our system allows a faculty to enter or input First Year students details
- d) System developed provides easy user interface and have powerful data management system which makes this system is very useful.

- 2. GR (General Register) Number Generation System:** - Further enhancement in the admission software, in academic year 2018-19 automatic GR Number generation system developed.

Objectives

- a) Student GR Number is unique for each student. This number remains same throughout for all academic years. E.g. CIV18F005 means Civil Engineering student admitted in academic year 2018-19, F means students taken admission in First Year, and 005 is serial count number. (For Direct second year admission S is used instead of F i.e. CIV18S005)
- b) This application reduced time which required for creating GR Number manually
- 3. Document Verification System:** - This is also supplementary application which enhanced admission software.

Objectives

- a) Documents are verified manually and make entry of submitted and remaining documents are saved into this application.
- b) All information will access by GR Number only.

- 4. Analysis Application for Students Information:** - This is also supplementary application which enhanced admission software functionally. This application developed in 2018.

Objectives

- a) Analysis of Students admission data is possible. Reports in excel sheets are generated by this application.
- b) On Following parameters analysis in possible by this application.

- | | |
|-----------------------|--------------------------|
| 1. Course Allotted | 2. Diploma Percentage |
| 3. HSC Percentage | 4. College preference |
| 5. Admission Category | 6. Urban / Rural |
| 7. Course Allotted | 8. Minority |
| 9. CET Score | 10. Family Annual Income |

11. Gender

12. Family Qualification

13. Junior College District

14. University (Home or Other)

15. District (Student residents)

16. Religion

5. **Online Feedback System:** - This System is used for taken feedback from students since academic year 2017-18.

Objectives

a) Feedback is taken from students by asking following parameters through online form.

- 1 How punctual is the teacher in your class?
- 2 Is the teacher able to maintain discipline in the class?
- 3 How knowledgeable is your teacher about the subject?
- 4 Is the teacher available for consultation?
- 5 How well does the teacher interact in the class?
- 6 Whether teacher uses appropriate teaching techniques?
- 7 How does teacher respond to student's question?
- 8 Is teacher conducting lectures and practical's in interactive manner?
- 9 Is the teacher develops your confidence in subject?

b) Students can give ratings on all above parameters. Ratings: **Poor (0 to 2), Average (3 to 4), Above Average (5 to 6), Good (7 to 8), Excellent (9 to 10).**

c) Two modules are developed in this application are Admin and Student module. Departmental admin entered Faculty names, their subject, and student's attendance along with their roll numbers class-wise in the application. Students are given their feedback by entering roll number and GR number.

- d) Students whose attendance are greater than or equal to 75% are only eligible to give feedback. In this way we are maintain the quality of feedback.
- e) Feedback reports are generated by software then it is send to the principal and HoDs of each department.

6. Online Grievance Redressal System: - This system deals with all types of grievances, complaints and malpractices including those received from Students, Faculty and other Stakeholders developed in academic year 2018.

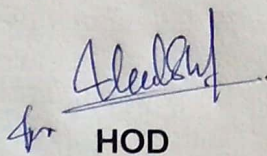
Objectives

- a) Online portal developed and host on college website. Following link used for register grievance <http://vpmpcoe.org/grievance/grievance.html>
- b) Online complaints are received at grievance.mpcoe@vpmpcoe.org
- c) Disposal of grievance to be intimated online to engrieved person

7. Enroll Software: - Student Admission software was extended to enroll students from First Year till Final Year. This in house software was developed in January 2019.

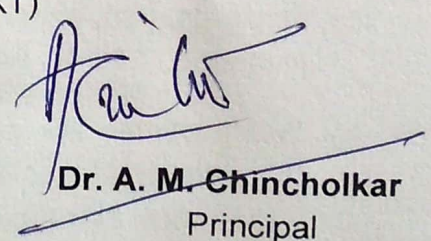
Objectives

- a) The system allows the admin to add student when starting every new semester.
- b) This application provides current status of each students department/class-wise with their examination status (Pass or Number of ATKT)


HOD

Department of Computer Engineering




Dr. A. M. Chincholkar
Principal