M S Ramaiah University of Applied Sciences

NAAC-Criterion 2 Teaching-Learning and Evaluation

Details	
Criterion	**2 - Teaching-Learning and Evaluation**
Key Indicator	**2.5 Evaluation Process and Reforms**
Metric Number	**2.5.3 Status of automation of Examination division along with approved Examination Manual/ordinance** A. 100% automation of entire division & implementation of Examination Management System (EMS) OR B. Only student registration, Hall ticket issue & Result Processing

MSRUAS has adopted systematic e-governance into the teaching learning and evaluation system. ERP is one among them; ERP consists of different modules and it is utilized at various levels appropriately for the smooth functioning of the system. One such module of the ERP includes the student related activities like course registration, accessing of syllabus, access to take quiz, viewing of CE marks, downloading admission order etc. Similarly the other module includes the faculty related activities, such as Course and student allocation, Marking of attendance, Entry of CE marks, provision to generate Mentor mentee meeting reports etc.

MSRUAS has annual scheme programs and semester scheme programs. There are two main formal assessment periods in a semester program, Odd and even with the re-sit/re-registration period prior to the commencement of the new academic year. Both the annual and semester scheme programs have two assessment processes the continuous evaluation (CE) and semester (SEE)/year end examinations (YEE). The academic and the examination regulations of MSRUAS contain the processes and procedures ranging from components of CE, SEE/YEE to the declaration of results.

MSRUAS has a well-organized and streamlined ICT-enabled portal system or the ERP system configured for the University. A staggered implementation of automation for various examination processes lead to 100% automation.

The formative assessment is one of the important phases of learning and assessment.

By maintaining a centralized database and protecting student's privacy, online evaluation systems aid in the smooth operation of the evaluation process and make it confidential. Masking of student identity and the double-blind valuation enables unbiased assessment of answer booklets. Following the digital valuation, the marks are directly pushed into the ERP portal through API. The Subject Assessment Board (SAB) and Program Assessment Board (PAB) reports are generated by the system and are presented as applicable. On scrutinizing and approval, the results are announced on the Portal where the students can access and see by logging in. Furthermore, the students are given an opportunity to apply for the reregistration/resit if required.

Tamper proof stationery with a microchip, non-counterfeit able and e-verifiable grade cards and the degree certificate printing. Turnitin, plagiarism-check software is used for checking all the PG assignments, PG and PhD dissertations before submission.

MSRUAS EXAMINATION PROCESSES THROUGH THE ERP PORTAL

Figure 1: Pictorial representation of University related Process

The ERP system enables maintenance of a centralized digital database of student's records to assure efficient exam administration throughout the university. Students can register for specific courses through the portal immediately after admission to the semester. The parameters of evaluation are completely outlined in the Outcome-based education framework. Since the inception till 2022 the university has adopted a provision of equal weightage for internal assessment and End semester examination marks for all the programs. A weightage of 50% was given for CE where the knowledge and skills acquired by the students were continuously assessed during the learning period. In 2022, the academic regulations were reformed as per NEP guidelines for all the programs except for those that fall under the purview of the Regulatory Bodies. With the incorporation of NEP guidelines, the weightage for CE was changed to 60% as a reformative measure. The course leader is given complete autonomy to decide the components of the CE. As part of introducing the reforms in the assessment, a flexible method is adopted for the CE with multiple sub-components. CE may consist of quiz, test, field work, open book test, group task, portfolio, case studies, laboratory or any other appropriate assessment activity. The course leaders are free to choose an appropriate activity as per the course content. The students also can interact with their course leaders through the portal and discuss the subject matters and get the responses for their queries. The student can view the attendance at any time and component-wise CE marks as and when it is finalized and frozen by the course leader before downloading the hall ticket. The portal generates the final list of eligible students for the upcoming semester/Year End examinations considering the program-wise eligibility parameters.
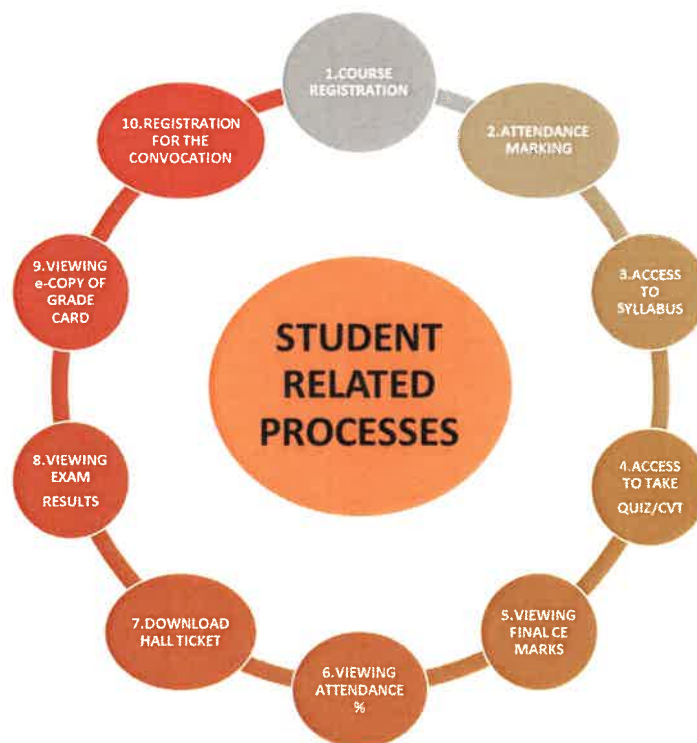

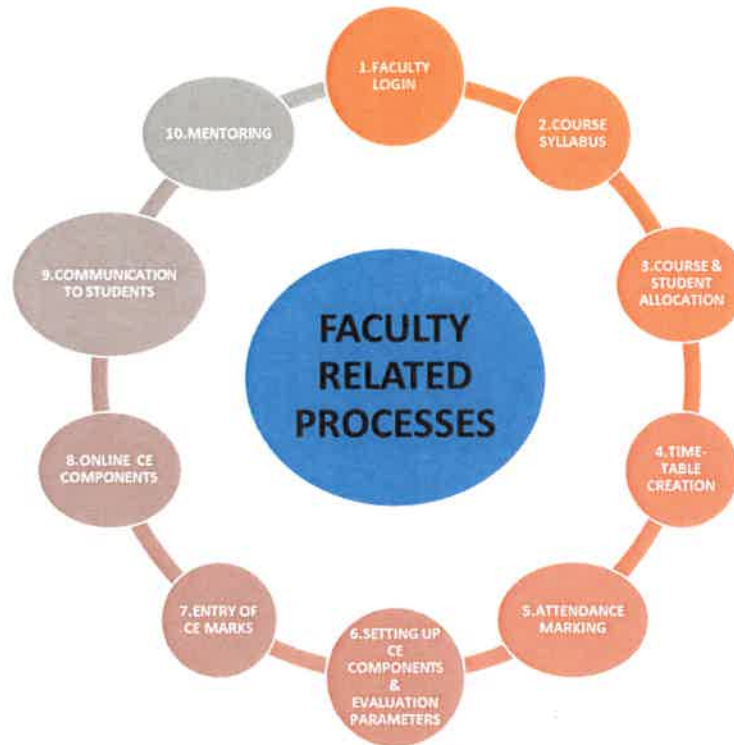Figure 2: Pictorial representation of Student related Process

Figure 3: Pictorial representation of Faculty related Process

Masking of student identity and the double-blind valuation enables unbiased assessment of answer booklets. Following the digital valuation, the marks are directly pushed into the ERP portal through API. The Subject Assessment Board (SAB) and Program Assessment Board (PAB) reports are generated by the system and are presented as applicable. On scrutinizing and approval, the results are announced on the Portal where the students can access and see by logging in. Furthermore, the students are given an opportunity to apply for the reregistration/resit if required. With this the entire examination process is automated to 100%

Figure 4: Pictorial representation of Digital Valuation Process

Registrar

List of Documents and links for the Metric 2.5.3

Sl No	Name of the Document	Web Link
1	Report on Present Status of Examination	View Link
2	Screenshots of Exam Automation Process	View Link
3	Purchase Order ERP	View Link
4	Purchase Order Logysis	View Link