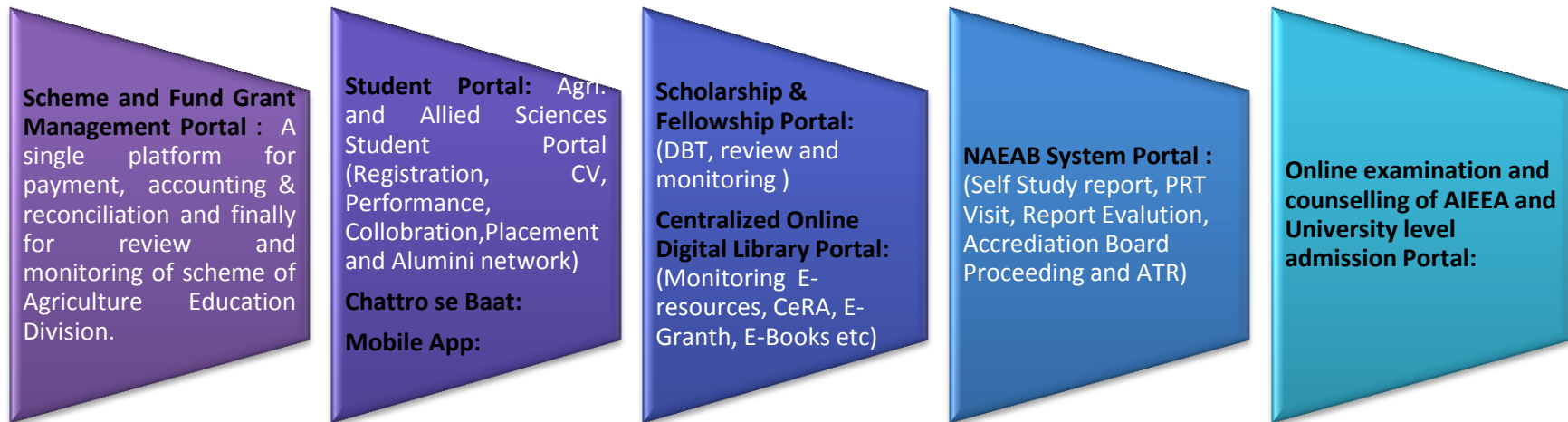


Ekikarat Krishi Shiksha Taknik Ayam (EKTA)

Introduction:

The rapid development of modern technology has increased access to and reliance on the sophisticated communication and real time technology. These technologies, which have become embedded within everyday life, have significant implications on Government Agencies - particularly within the field of Education.

Solution Components envisaged by ICAR Agricultural Education Division



“A Centralized Uniform Solution for Schemes, Funds, Scholarships, Fellowships, Accreditation, digital Library, AIEEA Admissions, Student Portal & Database Management”

Common System for Various Beneficiaries i.e. Students, ICAR Institutions – SAU/CAU/CU/DU, Teachers, Administrators, Policy makers & Parents and other interested Organizations

How EKTA can help ICAR Aq. Education Division by implement various schemes effectively

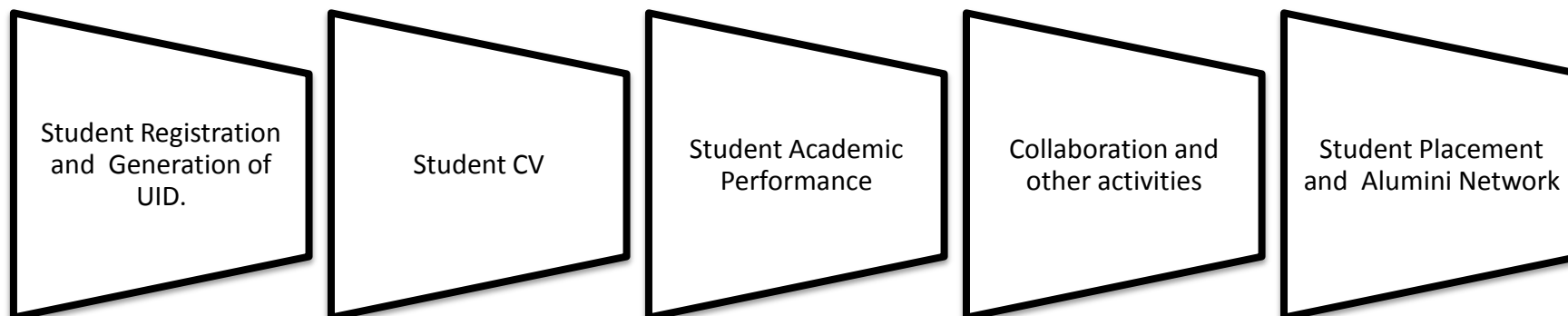
- **Scheme and Fund Grant Management Portal:** A single platform for payment, accounting & reconciliation and finally for review and monitoring of different scheme of Agriculture Education Division.

Key features of this System will be: Project Review and Monitoring Portal, Facilitate Institutions to manage & submit details related to ICAR Schemes/projects e.g. National Fellow, National Professor, Emeritus Scientist, Emeritus Professor, Niche Area of Excellence (NAE), Experiential learning (EL), Tribal Sub Plan, Summer School/ Winter School/ Short Courses, Centre for Advanced Faculty Training (CAFT) etc. System will be linked with Schemes-Strengthening and Development of Higher Agricultural Education in India and monitor different scheme under this head, civil works and tracking the progress online. Extramural Research Project by facilitating Institutions to manage & submit research related details through this System. Facilitate Institutions to manage & submit details related to various Green Initiatives e.g. Solar Energy Generation and Utilization, Rainwater harvesting, Paperless Initiatives, Rain Water Harvesting, Noise free Generators, Use of LED Lightings etc.

- **Country Wide Agri & Allied Sciences Student Portal**

“Facility to Collect and manage Student information from Universities, Institutions and prepare country wide portal for students is main aim of this portal “.

It will also include provision for **Chattro se baat** through Video Conferencing and **Mobile App** for various Stakeholders of Universities like Employees and Students, these mobile apps are compatible with widely used mobile platforms & devices (Windows, Android& IOS).



- **Scholarship and Fellowship Portal:** to manage various Scholarship-Fellowships through Centralized System linked with various Schemes like National Talent Scholarship for UG and PG, ICAR Fellowships for Post-Graduate Students (JRF/SRF), Students READY programme, Merit-Cum-Means scholarship, Post Matric Scholarship, India-Africa and India-Afghanistan Fellowship, Netaji Subhas -ICAR International Fellowship ETC. Through EKTA, Scheme wise Direct Beneficiary information (connecting individual mobile, aadhaar and bank details) will be collected from University. After verification and approval Direct Amount Transfer will be made to Beneficiary's account (Direct Beneficiary Transfer). It will also propose to integrate information related to Monitoring E-resources, CeRA, E-Granth, E-Books etc) i.e. Centralized Online Digital Library. Universities/Institutions have old and confidential records like Books, Journal, Press Clippings, Negatives & some other valuable note books and documents which should be digitized and can be managed centrally with ICAR Online Digital Library, in future.
- **NAEAB Portal:** Centralized online System to automate accreditation of Universities System will be linked with Scheme National Agricultural Education Accreditation Board (NAEAB).
Key features of this System will be: Online Registration for Accreditation, Facility to submit Self-study report, Accreditation fee payment online through Payment-Gateway (if needed in future), Peer Review Team (Committee and Evaluation Team) Management, Workflow based approval, Visit Record Management, Recommendation report preparation on the basis of Accreditation Parameters, Accreditation Board Proceeding and ATR, Compliance tracking and follow-up, Notifications & Alerts Management etc.
- **Online examination and counselling of AIEEA and University level admission Portal:** Through this ICAR can Set online eligibility criteria and rules for admission, define admission route, whether through entrance exam or merit, screen applicants, shortlist students, generate cut-off lists and register students for admission. This System will have following features; Online admission notification, Candidate fills form online along with details of entrance examination center city information and submit fee online or by bank, Online Scrutiny of application based on the eligibility criteria defined in the rules, Center creation and allocation of Centers to candidates online, Admit card generation and send to candidates for downloading of their admit cards Score sheet preparation and approval, Merit List/Result Generation online, Sending letters to selected candidates for counseling etc. At initial stage ICAR sponsored examination and University level admission portal will be developed individually at University level, which in term will integrated at national level.

University Management System (EKTA)

A comprehensive e-Governance System for University functions including Student Life Cycle, Administrative and Operations activities needs to be implemented. Some special functional modules for Agricultural Science and farms also need to be included in the solution. Some desired modules in proposed EKTA portal are given as follows;

- Well integrated, Uniform Centralized E-Governance Framework for all Agriculture Universities.
- It helps to monitor, track, analyze, and evaluate all indicators of physical and administrative structure of the universities.
- It brings in a role based data viewing/entry/editing, ensuring greater control over work .
- Proposed solution improves administrative processes thereby increasing the operational efficiency of staff members.
- It ensures only single point data entry with zero repetitive work
- Better Informed Decision Making for Universities
- One-Time Cost and One-Time implementation effort
- Scalable, Customizable, Centralized deployment and maintenance, Cloud enabled

Student Enquiry Pre-admission & Admission Academic & Enrolment Self Service Portal for Students Scholarship Management Student Help Desk Management Student Verification Management Placement Management Alumni	Budgeting Financial Accounting Bill Tracking System E-Procurement/Tender Stores and Purchase Physical File Tracking System Document Management System Knowledge Management Portal Library Management	Agricultural Research Management Examination Pre-Conduct Online Question Paper Delivery Examination Post-Conduct Onscreen Evaluation System (OSES) Teacher Feedback System Learning Management System
---	--	---

Advantages to Universities/Institutions

- Smooth flow of information among the University's various stakeholders, in real time, as per their requirements and thus creating a strong MIS System.
- Technologically superior teaching aids like learning management further enhance the teaching methodology at the University.
- Provides an efficient system for monitoring and regulating the efficiencies of various employees of the University in a systematic manner.
- Improved quality of service across the University & its various affiliated colleges, and integrate the courses, curricula and academic processes across the university.
- Improve the quality, speed and results of the decision making process, as they are based on valid, current and reliable data, which otherwise is very difficult and arbitrary in today's scenario.
- Ensure accountability, fairness and justice in its functioning, irrespective of the number and complexity of students and courses.
- Present various activity dashboards to the top administrators for monitoring and intervention, if required.
- Give access to students, faculty and staff to their personal web page that gives them the personal details regarding their own activities and profiles.
- Enhance students and faculty interaction beyond the classroom and help better academic interaction at peer to peer level and mentor to peer level for achieving higher academic standards.
- Anywhere, anytime and single window delivery services
- Real-Time Consolidation of information at each level @ University
- Expert System to support decision making through Key Performance Indicators through Dynamic Dash-boarding
- University wide database of Registered student, employees and affiliated colleges
- Analyze student behavior to maximize students optimize retentions @ University
- University can organize various Poll / Survey among students-teacher and collect their views and concerns.
- University can send key alerts to concern employee/students/parents through integrated SMS/email services.
- Bring transparent in key processes like admission and examination.
- Online grievance management and its tracking at all levels of the College/University.

- Real-time university wide access to detailed information like: Students enrollments, Teachers, Admissions, Affiliations, Fees, Student Attendance, Learning, Timetables, Results, Employee attendance and payroll, Fund, Budget, Recruitment, Training, Research etc.

Advantages to Students

- Student can apply for Admission in various University/Institution from single admission portal it will save money and time of the students
- Access the seat availability across all the Universities and colleges
- Students can submit fees through various modes like challan, online, prepaid cards etc.
- Personal webpage for student
- Online Assignments access and submission through Learning management
- Online Examination Schedules, online admit card downloads and result notification.
- Online grievance/helpdesk facility to lodge various issues.
- Online submission of examination forms.
- Online facility to make duplicate certificate request and payments.
- Students can access University Activity Calendar, Notices and News online.
- Students can participate in various Polls organized by University
- Access to online result notification
- Access to subject wise Attendance Details
- Student can access teacher subject lectures plan in advance
- Students can easily download shared lecture contents by Subject teacher. This encourages faculty student interaction beyond the classroom.
- Students will receive key alerts in the form of SMS/email time to time