

# AWARDS SCHEME FOR EXEMPLARY IMPLEMENTATION OF e- GOVERNANCE INITIATIVES

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## **NAME OF CATEGORY- OUTSTANDING E-GOVERNANCE INITIATIVE BY ACADEMIC AND RESEARCH INSTITUTIONS**

### **1. Coverage – Geographical and Demographic :-**

#### **(i) Comprehensiveness of reach of delivery centres**

The project “University\*Suite” is an integrated suite of applications for automating the entire work of Kerala University of Health Sciences. University\*Suite has a 100% work flow based architecture covering all the functional areas of the KUHS (Kerala University of Health Sciences). KUHS was established by the 'Kerala University of Health Sciences Act 2010' by government of Kerala, for ensuring proper and systematic instruction, teaching, training and research in Modern Medicine, Homoeopathy and Indian Systems of Medicine including Ayurveda, Siddha, Yoga, Naturopathy, Unani and other allied sciences and also to have uniformity in the various academic programmes in medical and allied subjects in the State of Kerala. This suite is highly customizable, with vertical and horizontal scalability.

University Suite project fully work on internet. Student, faculty & other stake holders can apply for service through internet or 250 + affiliated colleges help desk or through nearest Community Citizen centres named “AKSHAYA”. The work flow system covered in all 251 + affiliated colleges, 60000+ students’ 15000+ faculties and 200 + university employees. Geographically it covers entire Kerala State. Since the service offered through internet students can apply for service from any part of world. The actual beneficiaries can apply from any were in the world including those who works in the border services. University Suite after its success in Kerala University of Health Sciences replicated to Kerala Agricultural University also.

#### **(ii) Number of delivery centres**

Through internet, 251 + Affiliated Colleges, 1500+ Akshaya centres and University centers

#### **(iii) Geographical**

(a) National level – Number of State covered

1

(b) State/UT level- Number of District covered

14

(c) District level- Number of Blocks covered

160

251 affiliated medical/paramedical colleges spread across Kerala

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## **(iii)** Demographic spread (percentage of population covered)

25% of education population in Kerala

## **2.** Situation Before the Initiative

- Students/Faculties have to send their service request through post or travel to university and wait for response.
- The service seeker may be from a very remote college in Kerala
- Students/Faculties seeking a service have to visit several offices including their own college. (Example student-guide-principal-college office and finally university sections. at a far way place.
- For any small correction students have to re-send their applications through the same process.
- No authenticity for certificates produced. by the students
- Files will be kept pending if a section clerk is on leave.
- No acknowledgments at any stage.
- Long Pendency for service.
- No data or well defined reports from affiliated colleges.
- Education become lucrative business especially in medical education and controlling the time limit and data become a tedious task
- Drop in quality of service.
- Duplication of faculties (same faculties in the roll of different private medical colleges.)
- Time delay in answering the queries by different agencies.
- No common data base with in university itself. Due to this a change in basic academic student data will not reflect in other outputs. like examination finance & general administration
- KUHS is a newly formed university so management decided to go for a fully digitized university

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## **3. Scope of Services/ Activities Covered**

The work for total computerization in the university vertical was first initiated by the Vice Chancellor of Kerala University of Health Sciences Dr. K. Mohandas. The project was designed and developed by NIC Thrissur based on the requirement of Kerala University of Health Sciences.

It was designed in such a way so that University\*Suite has come out a product in university vertical. The project envisages an integrated set of applications covering all areas of KUHS Administration. The program is aimed at making all services directly accessible to the students, teachers and employees of the University. With the total computerization of the University administration, students/college authorities would be able to track the status of a file or an application in the University from anywhere in the world.

The project "University\*Suite" is an integrated suite of applications for automating the entire work of University Vertical. University\*Suite has a 100% workflow based architecture covering all the functional areas of the KUHS(Kerala University of Health Sciences). KUHS was established by the 'Kerala University of Health Sciences Act 2010', for ensuring proper and systematic instruction, teaching, training and research in Modern Medicine, Homoeopathy and Indian Systems of Medicine including Ayurveda, Siddha, Yoga, Naturopathy, Unani and other allied sciences and also to have uniformity in the various academic programmes in medical and allied subjects in the State of Kerala. This suite is highly customizable, with vertical and horizontal scalability.

Software architecture is based on LAPP (Linux Apache, PgSQL & PHP) model which uses full powers of open source development. Any number of new applications can be plugged into the main application work flow backbone seamlessly. University\*Suite is plugged with G2G, G2C and G2E components embedded in it. The G2C services are offered over Internet, SMS service, Touch Screen Kiosks and manned Counter Services. The project, unique in the University sector, offers near perfect transparency in Educational procedures and better performance of the KUHS service delivery.

The scope of work with respect to setting up of a University\*Suite includes study of the existing manual System as part of KUHS Suite. The solution will be developed after a detailed system study based on the requirements of the university. The proposed system also reduces the paperwork to a great extent and it is also easy to check back on any issue, if any should arise through the system itself. Actually this makes the system to be easy thing.

The aim of the this project is to create an integrated IT platform for KUHS University Administration and its affiliated colleges, to use IT primarily to

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increase information quality, improve overall efficiency and effectiveness in the University processes, along with convenience in operations.

**24 x 7 seamless service delivery is the main objective of the project with following expected deliverables.**

- ✓ **Student can submit and receive services through internet.**
- ✓ **Student/Faculty interact with university through their logins**
- ✓ **Student can edit their application at a later stage**
- ✓ **Application status on mobile/internet instantly**
- ✓ **No visit to KUHS is needed.**
- ✓ **Digitally signed certificates**
- ✓ **Authenticity of certificates can be verified through internet**
- ✓ **RFID & Finger print attendance eliminates duplication.**
- ✓ **Superior officers can take back the file and provide service at any time.**
- ✓ **Instant Acknowledgments**
- ✓ **0% pendent**
- ✓ **All type of MIS reports.**
- ✓ **Unmanned front office through Information KIOSKs**

## **4. Strategy Adopted**

### **(i) The details of base line study done,**

The work for total computerization in the university vertical was first initiated by the Vice Chancellor of Kerala Health University Dr. K. Mohandas based on the request from KUHS, NIC central PEC approved a project through its minute numbered 2012/3183 dated 26.07.2012 for Rs.64.9 Lakhs titled University Suite for total computerization of KUHS.

Under the guidance of SIO, NIC, Kerala NIC Thrissur initiated, designed and developed the whole project. It was designed in such a way so that University\*Suite has come out a product in university vertical.

The project envisages an integrated set of applications covering all areas of University Administration. The program is aimed at making all services directly accessible to the students, teachers and employees of the University. With the total computerization of the University administration, students/college

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authorities would be able to track the status of a file or an application in the University from anywhere in the world.

## **(ii) Problems identified,**

- Students/Faculties have to send their service request through post to university and wait for response for long periods.
- The service seeker may be from a very remote college.in Kerala
- Students/Faculties seeking a service have to visit several offices including their own college. (Example student-guide-principal-college office and finally university sections. at a far way place.
- For any small correction students have to re-send their applications through the same process/
- No authenticity for certificates produced. by the students
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- No common data base with in university itself. Due to this a change in basic academic student data will not reflect in other outputs. like examination finance & general administration
- KUHS is a newly formed university so decided to go for a fully digitized university

## **(iii). Roll out/implementation model,**

- ✓ **Student can submit and receive any service through internet.**
- ✓ **Student / faculty interact through common portal**
- ✓ **Student can edit their application at a later stage**
- ✓ **Application status on mobile/internet**
- ✓ **No visit to KUHS is needed in any case**

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- ✓ **Use of DSC as far as possible**
- ✓ **RFID & Finger print attendance eliminates duplication.**
- ✓ **Authenticity of certificates can be verified through internet**
- ✓ **Superior officers can take back the file and provide service at any time.**
- ✓ **Instant Acknowledgments,0% pendency**
- ✓ **All type of MIS reports.**
- ✓ **Unmanned front office through KIOSKs**
- ✓ **Online payment gateway for all external credits.**
- ✓ **Computerized accounting**

### **(iv) Communication and dissemination strategy and approach used.**

Kerala University of Health Sciences already have and NKN connectivity. University suite built in such a way so that it can utilize NKN at university side. All affiliated colleges are requested to go with NKN or broad band through any available service providers. University suite tested & found work with even 64 Kbps band width.

### **5. Technology Platform used-**

#### **(i) Description,**

Software architecture is based on LAPP model (Linux, Apache , PgSQL & PHP) which uses full powers of open source development. Any number of new applications can be seamlessly. plugged into the main application backbone.University\*Suite has G2G, G2C and G2E components embedded in it. The G2C services are offered over Internet, SMS service, Touch Screen Kiosks and manned Counter Services. The project, unique in the University sector, offers near perfect transparency in Educational procedures and better performance of the KUHS machinery.

**Technologies like BIOMETRIC attendance are incorporated with open standards.**

**State Data Centre & SMS gateways are utilised**

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## **(ii) Interoperability**

University Suite is a web-enabled solution built on industry standard software technologies and best practices. The Software, Hardware and Communication Architecture facilitates cross platform applications and application integration seamlessly supports interoperability.

Since the application layer & data layer are at Kerala Government Data centre any stake holder can easily access service

## **(iii). Security concerns**

Under gone internal & external security audit test. Under go AppScan scan as and when a modification is carried out. .

## **(iv). any issue with the technology used**

SMS gateway provided by GOK is showing frequent problem

## **(v). Service level Agreements(SLAs)**

SLA executed with biometric, point of Sail providers

SLA executed with hardware vendors

## **6. Service Delivery – user orientation**

- ✓ Regular training for stake holders.
- ✓ Nearly 500 officers trained.
- ✓ Online help Desk at KUHS
- ✓ Bug reporting & request for additional feature through online help itself.
- ✓ Any bug reported will be fixed on same day.
- ✓ 360 Degree feedback mechanism through online and easily scalable
- ✓ Clear scope & versioning

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## 7. Citizen Centricity (Give specific details on the following#)

### (i) Impact on effort, time and cost incurred by user

Sl No	Service before	Minimum time for service Before	Service After project	Minimum time for service After
1	Migration Certificate Apply through post	1 month	Migration certificate Fully online with DSC. Download from site.	1 Day
2	Migration Certificate With cancelation Apply through post & Receive certificate through post	1 month	Fully online, download from site, workflow, End to end service	1 Day
3	Synopsis & Dissertation submission	2 months	Complete online for student, guide, Principal, Reviewer, Registrar, End to end service through work flow	2 days
4	Student registration & Issue of registration number	2 months	Fully online, download from site, work flow End to end service	7 days
5	Student ID card printing	2 months	Fully online, download from site, workflow, End to end service	7 days
6	Faculty ID Card printing	2 months	Fully online, download from site, workflow, End to end service	7 days
7	Payments & receipts	1 months	Fully online, download from site, workflow, End to end service	1 Day



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8	<b>Continuous affiliation for colleges</b>	6 months	Fully online, with workflow	7 days
9	<b>General service through post</b>	2 months	Fully online with workflow	2 days
10	<b>National Service Scheme services</b>	3 months	Fully online with workflow	7 days

**(ii). Feedback/grievance redressel mechanism,**

Online help desk, online feedback & redressel through student/faculty/college portal

**(iii). Audit Trails,**

University Suite provides a clear module for Audit. Auidter can view any file and put his online remarks. System is strongly protected through user credentials and privileges.

**(iv). Interactive platform for service delivery,**

University Suite provides online portal with login privileges for all stake holders. for availing services.

**(v). Stakeholder consultation**

University Suite slowly matured in to a roughed education product through frequent discussion and based on feedback. 251+ affiliated colleges under KUHS are the main beneficiary of the system and they are consulted & trained on each and every service enablement.

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## **8. User convenience** (Give specific details about the followings #)

### **(i) Service delivery channels** (Web, email, SMS etc.)

Through portal <http://kuhs.ac.in>

Using Government of Kerala SMS gateway. Smart Cards for student/Faculties

### **(ii) Completeness of information provided to the users,**

University Suite provides bar coded, Digitally signed documents and its authenticity can be verified at any time (24 x 7) through <http://kuhs.ac.in>

### **(iii) Accessibility** (Time Window),

✓ 24 x 7x 365

✓ Service time table already discussed

### **(iv) Distance required traveling to Access Points.**

Nil, most of the services are through designated portal. The services are provided end to end basis and most of the services finally can be downloaded in student/faculty login.. Purely a workflow system

### **(v) Facility for online/offline download and online submission of forms,**

University Suite provides a clear work flow for student/faculty/college and University. Most of the services are applied and received as online. Most of the services are digitally signed.

### **(vi) status tracking**

Through web site, SMS, KIOSKs

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### 9. Efficiency Enhancement (Give specific details about the following #)

#### (i) Volume of transactions processed,

Sl No	Item Description	2013-14 Qty
1	Students login	47000
2	Faculty	10500
3	Students issued with RFID cards	17000
4	Number of Migration Certificates	800
5	Number of equivalency Certificate	2000
6	Number of students availed online synopsis dissertation service	4000
7	Number of continuous affiliation	1500
8	Number of NSS unit service	300
9	Digital File service	3000

#### (ii) Coping with transaction volume growth

University Suite is utilizing the service of Kerala State Data Centre & University data centre. It can be easily scalable with students & affiliated college volume

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### (iii) Time taken to process transactions,

SI No	Service	Minimum time for service Before	Minimum time for service After Implementati ons
1	Migration Certificate,	1 month	1 Day
2	Migration Certificate with cancelation	1 month	1 Day
3	Synopsis & Dissertation submission	2 months	2 days
4	Student registration & Issue of registration number	2 months	7 days
5	Student ID card printing	2 months	7 days
6	Faculty ID Card printing	2 months	7 days
7	Payments & receipts	1 months	1 Day
8	Continuous affiliation for colleges	6 months	7 days

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## **(iv) Accuracy of output,**

University Suite back bone is work flow, so any service is automatically generated from system and provides 100% accurate after testing

**(v)** Number of delays in service delivery: Not identified.

## **10. Accessibility**

- ✓ All services through a common portal [www.kuhs.ac.in](http://www.kuhs.ac.in), it work on 24x7x365
- ✓ Stake holders can also free to utilize nearest Akshaya centres
- ✓ Help desks at all affiliated colleges & University.

Transparency in system, - Service tracking through web, Status over internet & SMS, Instant acknowledgments, file tracking through KIOSK

Single-window resolution – All services provided in the Student/Faculty/Principal logins through the common portal.

Ease of navigation – Online help & feedback mechanism

## **11. Innovations**

### **Situation before the initiative**

- Students has to send their request through post and wait for response
- For any correction students have to re-send their applications
- Frequent Visits to University Is needed
- Duplication of faculties
- No authenticity for certificates produced.
- Files will be kept pending if a section clerk is on leave.
- No acknowledgments
- Pendency
- No data or well defined reports
- Time delay in answering the queries

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## **Situation After the initiative**

- ✓ **Student can submit and receive any service through internet.**
- ✓ **Student can edit their application at a later stage**
- ✓ **Application status on mobile/internet**
- ✓ **No visit to KUHS is needed.**
- ✓ **RFID & Finger print attendance eliminates duplication.**
- ✓ **Authenticity of certificates can be verified through internet**
- ✓ **Superior officers can take back the file and provide service at any time.**
- ✓ **Instant Acknowledgments**
- ✓ **0% pendency**
- ✓ **All type of MIS reports.**
- ✓ **Unmanned front office through KIOSKs**

## **12. Sustainability**

The project is self sustainable because KUHS charge student for any service. In addition it generates additional revenue for the smooth functioning of the project in term of H/w, S/w & manpower.

## **13. Adaptability Analysis**

### **(i) Measures to ensure adaptability and scalability**

University Suite is highly adaptable & Scalable. The back bone is designed in such a way that any new service can be easily plugged. It utilize maximum open source technology and there by eliminates any chance of dependency.

### **(ii) Measures to ensure replicability**

**University Suite is simply replicable through user defined menus. After it success in Kerala University of Health Sciences it was replicated to Kerala Agricultural University.**

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## (iii) Restrictions, if any, in replication and or scalability

Special attention required for Specific requirements

## (iv).Risk Analysis

University Suite is a web based work flow system. So any communication problem internal LAN or External WAN will affect the working of the system. But with NKN & backup line this problem can be overcome.

Service through SMS gateway fully depends on service providers..

**14. Result Achieved/ Value Delivered** to the beneficiary of the project-(share the results, matrices, key learning's, feedback and stakeholders statements that show a positive difference is being made etc):

### (i) To organization

Sl. No	Item Description	Numbers
1	Number of students with login	45000+
2	Number of digital files created	1500
3	Number of faculties with logins	10500+
4	Number of services offered through internet	10 – Student registration and allotment of registration numbers, DSC enabled migration certificate, DSC enabled eligibility certificate, Migration with cancelation, Online submission of Synopsis dissertation, Annual administration fee, various payments
5	Number of employees trained	200
6	Number of training conducted	20
7	Data centre	1
8	Disaster recovery Centre	1
9	Number of nodes in LAN	100
10	Information Kiosk	1
11	SMS Service	Yes

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12	Internet service	Yes
13	Data Mining facility	Yes

### **(ii). To citizen**

Students/Parents/faculties can easily apply, monitor and receive service through portal

### **(iii) Other stakeholders**

Bank reconciliation is much easy, all fixed registers automated, Any service can be apply through online. The work flow system deliver the result

**15.** Extent to which the Objective of the Project is fulfilled-(benefit to the target audience i.e.G2G, G2C, G2B, G2E or any other, size and category of population/stakeholder benefited etc):

#### **G2C**

- ✓ Automated Acknowledgment for all letters, e-mails, fax over internet
- ✓ Instant acknowledgment over SMS to students & faculties.
- ✓ Multiple KUHS Services through Information KIOSKS/SMS/Internet
- ✓ Current Status of files ,Beneficiary Search ,GO Search ,Employee and Office finder
- ✓ Seamless service delivery (End to End) to students on migration certificate, eligibility certificate, cancelation of migration and other certificate
- ✓ Downloadable Digitally Signed certificates
- ✓ Seamless service delivery to faculties including RFID card printing.
- ✓ Various services to affiliated colleges on students registration, allotment of registration numbers,
- ✓ RFID cards to students
- ✓ University Diary
- ✓ Online payment gateway
- ✓ Help Desk ,Services through Internet, SMS, Kiosks and Counters



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- ✓ 24\*7\*365 Availability

## G2E

- ✓ Intranet for the employees, Internet for the employees ,News, Notice Board
- ✓ Pay slip on logins
- ✓ Biometric attendance.
- ✓ E-Mail, Messaging ,Chat, Forum, Gallery ,Searches on Status of files, letters received
- ✓ Virtual Office – employees can work from other places including home.
- ✓ Work flow modules on various activities.
- ✓ 24\*7\*365 Availability
- ✓ Work at home

## G2G

- ✓ Attendance register, MIS reports, periodicals, PR, business reports, trial balance and accounting reports.

## G2B

- ✓ Banking statements, online payment

**16.** Comparative Analysis of earlier Vs new system with respect to the BPR, Change Management, Outcome/benefit, Change in legal system, rules and regulations

### **Situation before the initiative**

- Students has to send their request through post and wait for response
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- Duplication of faculties
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- Files will be kept pending if a section clerk is on leave.
- No acknowledgments
- Pendency

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- No data or well defined reports
- Time delay in answering the queries

## Situation After the initiative

- Student can submit and receive service through internet.
- Student can edit their application at a later stage
- Application status on mobile/internet
- No visit to KUHS is needed.
- RFID & Finger print attendance eliminates duplication.
- Authenticity of certificates can be verified through internet
- Superior officers can take back the file and provide service at any time.
- Instant Acknowledgments
- 0% pendency
- All type of MIS reports.
- Unmanned front office through KIOSKs

## 17. Other distinctive features/ accomplishments of the project:

- ✓ First University to offer Students to apply, receive certificate online (24x7x365)
- ✓ First University to provide a fully automated system for online synopsis dissertation submission online through student-guide-principal-university work flow.
- ✓ First University to provide Student status of their application over internet/SMS
- ✓ First University to provide RFID cards for students/Faculties/Employees
- ✓ First University to provide facilities to verify authenticity of certificates over internet.
- ✓ First University to offer pay slips for employees in their logins
- ✓ Effective use of barcodes in documents. Sections with barcode readers
- ✓ Information KIOSK, INTERNET, SMS interfaces for service delivery
- ✓ First University to provide a virtual office to all top management.
- ✓ 100 % Open source usage in KUHS

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### Infrastructure

- University Data Centre
- Academic Centre
- Touch Screen Services
- Modern IT Infrastructure (Modern site with terminal for each employee of the University)
- Video Conferencing facility
- Discussion Room
- Disaster Recovery Centre
- Networked Departments
- Networked Affiliated Colleges

### Instant Services

- 24x7x365 availability with disaster recovery Centre
- Instant Acknowledgment for tapals and applications
- Online Tapals from affiliated colleges and students
- Services through Internet, Kiosks and Counters
- BIO Metric, SMS integration
- SMART Cards for students and employees
- News, Notice Board Chat, Forum, Gallery
- Document verification over internet against authenticity
- GO, Document and file Search
- Digitally signed documents
- Data Mining on Student/Faculty
- Integration of Online POS
- Pay slip for employees on logins
- Unicode based local language support
- Less paper office
- Cleared security audit.

### What they say



"KUHS is moving towards a paperless University through University Suite, the solution found very effective and productive with lot of integrated service delivery tools". - Dr. K. Mohandas, Vice Chancellor-Kerala University of Health Sciences E-mail: vc@kuhs.ac.in



"Very Simple, easy to use and transparent e-governance solution with lot of integrated technologies for service delivery". - Dr. V. P. Varghese, Registrar E-mail: registrar@kuhs.ac.in

### Important Clients

The University Suite first replicated in **Kerala University of Health Sciences (KUHS)** from 2013. The University is mandated to affiliate all Colleges and Institutions in Kerala, imparting professional education in health care. So far 240 professional colleges have been affiliated to this University.

After its success in KUHS the Project was replicated in **Kerala Agriculture University (KAU)**.

### University\*Suite

(Version 7.0)  
*Fast, Transparent and integrated service delivery e-governance solution in University Domain*

University\*Suite is an integrated suite of applications for any University based on an integrated solution architecture covering important functional areas and activities of the University. It is a web enabled solution built on industry standard software technologies and best practices. The Software, Hardware and Communication Architecture facilitates cross platform applications and application integration.

There are twenty functional areas identified including Workflow based File Management System, Document Management, Digital Record Room, Student Management, Faculty Management, HR Management, Certificate Management, Financial management, Affiliation Management, Pay & allowance. In addition, there will be add-on optional Modules for Knowledge Management, University Portal etc. Public Access, Transparent Administration and Service Delivery are the key features of the project and these services will be made available using University Portal as web Services

### Important Modules

- Work Flow based File Management
- Tapal Management
- Document Management
- Student registration Management
- Faculty registration Management
- Synopsis Dissertation submission and Management
- Certificate issue and Management
- Pay & Allowance Management
- HR Management
- Financial & Accounting
- Affiliation Management
- Inventory & Asset Management
- Digital Record Room
- Bio metric e-Hajar
- Specific modules .....

### Project Background

The work for total computerization in the university vertical was first initiated by the Vice Chancellor of Kerala Health University Dr. K. Mohandas. Based on the request from KUHS NIC central PEC approved a project through its minute numbered 2012/3163 dated 26.07.2012 for Rs. 64.9 Lakhs titled University Suite for total computerization of KUHS. Under the guidance of SIO, NIC, Kerala NIC Thiruvananthapuram initiated, designed and developed the whole project. It was designed in such a way so that University\*Suite has come out as a product in university vertical.

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It has three layers with e-services at the top, University intranet in the middle and functional applications at the Bottom.

### Architecture



**E-Services layer** is the front-end layer of University\*Suite which interacts with students, faculty and employees and offer services to the state holders. For service delivery there are several tools built in University Suite. The services is offered over touch screen kiosks, Interactive voice response system, Internet, SMS and front end counters

**Intranet layer** is the Intra-net Services layer which offers lot of collaboration Services and tools. Messaging, Chat, bulletin boards Electronic file flow and specific module interfaces are few worth mentioning. Student, Faculty and employee portal are integrated in to University suite for collaborative work and seamless service delivery.

**Back Office layer** is the key functional area comprising of all 15 functional modules with which the University staff will work and carry out the backend Operations.

### Technology

The software is developed using Web and Portals technologies along with a proven RDBMS. Open Software Technologies are utilized wherever appropriate. The applications, which are of public interest, will be given access through INTERNET, IVRS and Touch Screens based Kiosks using standard software and web interfaces. The Software Package is developed in Linux-Apache-PgSQL-PHP (LAPP).

**Bio-Metric enrolment and Authentication**



**Digital signature**



and **Smart cards based online Point of sale / Palm computers OS** are smartly integrated to University Suite for better service delivery.

### UNIVERSITY\*SUITE<sup>(V.7)</sup>



### For product Enquiries



State Informatics Officer,  
National Informatics Centre  
C-DAC Building, Keltron House,  
Velayambalam (P.O.) Trivandrum - 33,  
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or

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# KERALA UNIVERSITY OF HEALTH SCIENCES

THRISSUR - 680 596

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817/Eligibility/Ac-G/3385/2013

06/12/2013

## Eligibility Certificate

Certified that **General Nursing and Midwifery of Maharashtra Nursing Council, Maharashtra, India** after regular study has been recognized by this University for the purpose of pursuing **B. Sc Nursing** course.

Certificate Issued To	Miss ELSA SARA POULOSE THONDIMATTATHIL HOUSE, KUNNACKAL PO VALAKOM
Designation of the Issuing Officer	Registrar

Note: This is a general certificate and the original certificate of the individual concerned has not been verified while issuing this. The eligibility and the mode of study will be verified by the admitting authority. This certificate is issued without any correction.

Signature valid

Digitally signed by Vipe Varghese  
Date: 2013.12.06 03:19:21 IST

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### NOTE

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12/Academic/2014/KUHS

02/04/2014

## Migration Certificate

**Kerala University of Health Sciences** places no restriction on the following student under the jurisdiction of this University, in seeking admission to any other University or institution for the purpose of higher studies or research .

Certificate Issued To	Sri/Smt/Kum.LISSY UBALD.S
Name of the Course	B. Sc Nursing
Register Number	110101648
Year of Admission	2011
Designation of the Issuing Officer	Registrar

Note: This is a general certificate and the original certificate of the individual concerned has not been verified while issuing this. The eligibility and the mode of study will be verified by the admitting authority. This certificate is issued without any correction.

Signature valid

Digitally signed by Ipe Varghese  
Date: 2014.04.02 11:34:50 IST

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