



**YENEPOYA**

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

6.2.3 - The University has implemented e-governance in the following areas of operation

1. Planning and Development
2. Administration (including Hospital Administration and Medical Records)
3. Finance and Accounts
4. Student Admission and Support
5. Examination

## **E-Governance Architecture Document**

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**E-governance architecture document**

Sl.No	Area of operation	Name of Software	Architecture	Description	Area of use / Location
1.	<b>Planning and Development</b>	Document Management Software	Cloud-based web application.	A Document Management Software is used to store, manage and track electronic documents and electronic images of paper-based information captured through a document scanner. The Yenepoya (Deemed to be University) deployed the document management system in 2020 for the production, storage, management and distribution of electronic documents. DMS yields greater effectiveness and the ability to reuse information and control the flow of the documents. It integrates document management, collaboration and advanced search functionality into one easy to use solution. The system also includes administration tools to define the roles of various users, access control, user quota, level of document security, detailed logs of activity and automation setup.	<ul style="list-style-type: none"> <li>• The Accounts department,</li> <li>• Purchase, Maintenance,</li> <li>• HR,</li> <li>• Pharmacy,</li> <li>• Centre for Guest Lecture and</li> <li>• ICT Departments</li> </ul>

  
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		Microsoft 365 for Education	Cloud-based web application with desktop application support.	Microsoft 365 is a cloud-based alternative to the desktop Microsoft Office. With Microsoft 365, Students can combine low-cost Windows devices with a powerful, easy to manage, personalized learning platform that enables every student online and off. It is a comprehensive solution that contains the software, tools and services that allow students, teachers, departments and all other staff to work more effectively.	Used by all students of the Yenepoya (Deemed to be University)
		AutoCAD 2000	Desktop Application	AutoCAD is used by project managers to permit architectural designers to draw 3D objects. The data can be programmed to represent specific architectural products sold in the construction industry or extracted into a data file for pricing, materials estimation, and other values related to the objects represented.	Projects and the Maintenance departments
2.	<b>Administration (including Hospital Administration and Medical Records)</b>	Hospital Information and Management System 	Browser-based intranet client-server application.	Completely digitally managed ERP to handle the operations of all Yenepoya Medical College and Hospital, Yenepoya Dental College, Yenepoya Ayurveda Medical College Hospital and Yenepoya Homeopathy Medical	Used at the Yenepoya Medical College Hospital, Yenepoya Dental College,  <b>ATTESTED</b>

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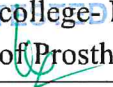
			College Hospital. All wards, OPDs, labs, pharmacies, stores and departments of the hospitals have been computerized.	Yenepoya Ayurveda Medical College Hospital,  Yenepoya Homoeopathy Medical College Hospital.
	E-track Biometric Capturing Software	Browser-based application	E-Track Lite is web based software with robust features to record working time and attendance process. It is used to employee attendance accurately against the approved leaves & allocated shifts. Software has features like Shift management, device management etc.	HR Department  IT Department  For management of staff Biometric attendance management.
	Student Information Management System	Windows- based client server application	SMS handles the student management right from the admission of a student to student pass out details, including attendance, examination results, financials, course details and the printing of marks cards and degree certificates.	Used by all colleges to track student attendance, examination results, financials, course details etc.
	Darwin Box - HR Management software	Windows-based client server application	Darwin Box HR is an integrated & modern HR platform for performing HR tasks. All employees are given user name and password to login. The following tasks can be performed using	HR department  Teaching and non teaching staff of the University <b>ATTESTED</b>

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			Darwin Box-Leave application, attendance marking, Employee information, Help desk and Vibes.	
	PACS	Windows-based client server application.	PACS system servers the digital radiology images and reports to Yenepoya Medical College Hospital patient care nodes. PACS facilitates a flexible image acquisition, processing and storage platform that supports different modalities from X-Rays, USG, CT, MRI, etc. All images are stored online and accessible from OPDs and IP Wards when required without the physical film.	Yenepoya Medical college hospital
	Dolphin Imaging.	Windows application	Dolphin Imaging and Management Solutions is a software for 2D/3D orthodontic imaging, diagnostic, practice management, case presentation, and patient education software for dental specialty students.	Faculty and PG Students. Department of Orthodontics , Yenepoya Dental college
	Cad-n-Mill	Windows application	To create bridges, veneers, post-and-cores, and implant abutments and restorations in Dental College.	Used by the Yenepoya Dental college- Department of Prosthodontics

  
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		Ayurveda HMIS	Browser based client server application	HMIS for Yenepoya Ayurveda Medical college hospital	Yenepoya Ayurveda Medical college hospital
		CBCT	Windows application	Cone beam computed tomography is a medical imaging technique used in the Yenepoya Dental college for radiographic imaging that allows accurate, three-dimensional (3D) imaging of hard tissue structures.	Yenepoya Dental college.
		ProSys	Windows-based client server application	Central kitchen billing software	Used at all the canteen outlets in the University
		IBT Health Card	Windows based client server application	Health card software used to issue health cards	Used at the Yenepoya Medical college hospital
		MS SQL Server 2012	Relational database management system	Microsoft SQL Server is a relational database management system (RDBMS) that supports a wide variety of transaction processing, business intelligence and analytics applications in corporate IT environments.	Used by the IT department for Database management

  
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		My Sql 8.0	Relational database management system	MySQL is an open-source relational database management system	Used by the IT department for Database management
		Windows Sever 2012 R2	Operating system	Windows Sever operating system	Used by the IT Department for Server management
3.	<b>Finance and Accounts</b>	Student Information Management System	Windows-based client server application	SMS handles the student management right from the admission of a student to student pass out details, including attendance, examination results, financials, course details and the printing of marks cards and degree certificates.	Used by the accounts department for Fee collection and student financials.
		Saral TDS	Windows-based application	Saral tds software is used for e-return filing of TDS/TCS and Form 15G/15H	Finance office
		Tally 9.0	Windows-based client server application	Tally ERP 9 is accounting software that has been used for all financial transactions in the University. As it is a multi-functional software, it includes inventory management, accounting, payroll preparation etc.	Finance office

  
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4.	<b>Student admission and support</b>	E-track- Biometric Capturing Software	Browser-based application	E-Track Lite is web based software with robust features to record and monitor student learning hours.	Used by the HR Department and the IT Department for management of student Biometric attendance management
		Zoom Video conferencing	Web based application	Zoom is an online secure, reliable video platform powers all communication needs, including meetings, chat, phone, webinars, and online events.	Used by the University and IT Department to conduct online meetings, webinars and online events.
		Microsoft 365 for Education	Cloud- based web application with desktop application support.	Microsoft 365 is a cloud-based alternative to the desktop Microsoft Office. With Microsoft 365, Students can combine low-cost Windows devices with a powerful, easy to manage, personalized learning platform that enables every student online and off. It is a comprehensive solution that contains the software, tools and services that allow students, teachers, departments and all other staff to work more effectively.	Used by all students of the Yenepoya (Deemed to be University)
		Google Suit for education	Web/Windows based suite of products	G Suite for Education features powerful and hassle-free email connectivity for faculties, staffs, and	Used by the staff and students of the University

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				<p>students. It is built on top of Google GMail services.</p> <p>Google Classroom – Google Classroom makes it very easy for learners and teachers to connect remotely from any geographic location. Teachers can send announcements, create assignments and instantly start class discussions. Students can share valuable resources, seek clarification on any curriculum topic and interact real-time with instructors.</p> <p>Google Docs, Spreadsheets, Presentations, and Forms: These are extremely useful for students and teachers, from the viewpoint of creating reports, noting down important information and lectures, preparing slide shows on subject topics, creating surveys to seek feedback and much more.</p>	
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	Attendance updater	Windows-based client server application	Student attendance synchronization from the biometric device to student management software	Used by the IT department to sync the student biometric attendance data to the Student management system.
	My Academic	Cloud-based web application	MyAcademic center accelerates the digital transformation process of educational institutions by providing comprehensive solutions to automate and streamline academic processes that can ensure efficiency. It guides students to acquire the relevant skills and grow professionally. myAcademic.Center also aims to assist institutions attract companies by providing industry ready candidates. It endeavours to create a vibrant alumni network to help current and past students connect and engage with their alma mater	Used by the University
	Document Management software	Cloud-based web application.	A Document Management Software is used to store, manage and track electronic documents and electronic images of paper-based information captured through a document scanner.	Academic section and student cell for student admission and support

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				The Yenepoya (Deemed to be University) deployed the document management system in 2020 for the production, storage, management and distribution of electronic documents.	
		E-Portfolio	Browser based client server application	Digital PG/UG log book and academic record Maintenance	Yenepoya Medical college Yenepoya Dental college.
		Fortune Next	Browse based client server application	Fortune Next is an ideal hotel management software to ensure a higher degree of operational automation at large boutique hotels and resorts. With Fortune NEXT 6.5 Professional at the core of the operation, hotel staff can be free from performing mundane tasks and spend more time attending to their guests.	Used by the BSc-Hospital Science, faculty and students to get trained in Hotel management.
		EZ Proxy	Windows application	For E-Library Remote Access	Used by the faculty and students of the University. Central Library

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	Student Information Management System	Windows-based client server application	SMS handles the student management right from the admission of a student to student pass out details, including attendance, examination results, financials, course details and the printing of marks cards and degree certificates.	Used by all colleges to track student attendance, examination results, financials, course details etc.
	Yengage – Institutional Learning Management System	Browser based client server application.	Yengage' is an official e-learning portal for Yenepoya (Deemed to be University).It is an online service which is open to students, staff, faculty and management, to provide a user friendly, collaboration and communicative environment, where members interact and exchange ideas, resources, tips, information, technology and study.	Used by all the faculty and students of the University.
	SPSS Statistical Software	Windows application.	Used by Post Graduates, students and researchers to do their own statistical analysis.	Used by the faculty and students of the University for statistical analysis
	DSpace	Browse based client server application.	RGUHS Institutional Repository of Free Full text of PG Dissertations submitted by PG Students of affiliated colleges under various faculty.	Used by the faculty and students of the University
	Easy Lib	Windows based client server application	Easylib Library Automation Software is a fully featured Library Management	Central Library <b>ATTESTED</b>

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				Software. It offers Acquisition Management, Periodicals Management, OPAC, Circulation Management, School Libraries at one place.	
5	Examination	Examination Management System	Windows based client server application	Examination Management Software used by the Examination department for managing the student examination procedures. The software manages the complete exam lifecycle right from student management from active courses, IA entries, attendance, eligibility criteria, hall ticket generation, examination management, result generation and marks/degree certificate processing.	Used by the Examination section of the University.
		Merit Tack	Browser based client server application	Online evaluation and digital marking system	Used by the University Examination section for Online evaluation and digital marking.
		Inpods OBE Management	Browse based client server application	Outcome based education tracking and management software	Used by the faculty of the University



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