

Annual Report of E-Governance

(2018-19)



L OVELY
P ROFESSIONAL
U NIVERSITY

Transforming Education Transforming India

Lovely Professional University

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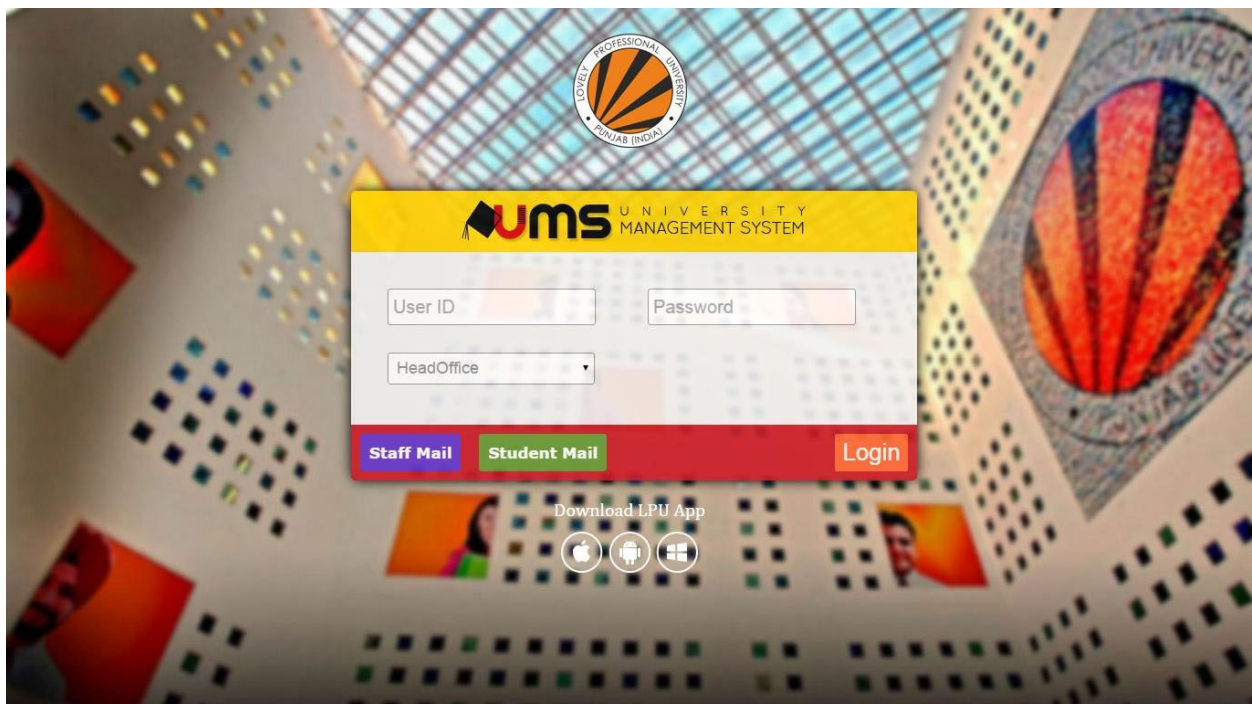
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Introduction

E-Governance is the need of the hour and University took note of the same quite early after its establishment and came up with one of a kind in house developed ERP named UMS (University Management System) which supports and enables automation of processes and procedures keeping in mind the LPU's principle of shared governance.

For effective implementation of e-governance in the entire University, all the departments are brought under one network with faculty, staff, students and other stakeholders as users.

All the prime areas namely Planning & Development, Administration, Finance and Accounts, Student Admission & Support, Examination and Teaching-Learning where e-governance is pertinent are well covered by carefully made-up portals and modules which aid in the ease of day-to-day activities and ensures minimal usage of paper, thereby helping the University in becoming paperless to a large extent.



SOME KEY MODULES OF UMS UNDER VARIOUS AREAS OF OPERATION

<p>Planning & Development</p> <p>Office Management System Actionable Points Company Contact Master Daily Progress Report KRA/KPIs Manuals/Standard Formats Meetings Office Management & Record Reports Staff Movement Register Activity Approval</p>	<p>Administration</p> <p>Appraisals Initial Performance Review Leave Details Manpower Control No Dues Policies, Formats & Code of Conduct Service-Related Certificates Staff Attendance Rectification RFID Logs Visitor's Gate Pass Inventory Management System Transport Management System Software Requirement Doctor's Appointment CCTV Management System Academic Administration</p>
<p>Finance and Accounts</p> <p>Budget and Expenditure System Finance Management System Payment Tracking System Staff Bank Loan Tele Device Management System</p>	<p>Student Admission and Support</p> <p>Admission and Registration Fee Payment Document Submission Manpower Access Facilitation Student Counselling</p>
<p>Examination</p> <p>Academic Operations Examination Tasks Examination Policies and Guidelines Question Bank Result Analysis Seating Plan Student Academic Detail</p>	

The report is divided in two broad sections:

Part A: Enabling E-Governance via IT Support Up-gradation

Part B: Implementation of E-Governance and its evolution via University's ERP

PART A

Enabling E-Governance via IT Support Up-gradation

Since its inception, Lovely Professional University has been at the apex of creating a state-of-the-art IT infrastructure which has led to the making an unparalleled e-governance system. Tabulated below is the adoption of newer technology which have been efficient enablers for exercising e-governance in the University.

1. CCTV Cameras

Cumulative number of CCTV Camera (2014-2019)

Year	2015	2016	2017	2018	2019
Number	5185	5552	6110	6715	7447

2. Projectors

Cumulative number of Projectors (2014-2019)

Year	2015	2016	2017	2018	2019
Number	1046	1281	1356	1414	1468

3. Biometric machines

Cumulative number of Biometrics (2014-2019)

Year	2015	2016	2017	2018	2019
Number	133	134	202	202	210

4. Turnstile Gates

Cumulative Access Control System (Turnstile Gates/Boom Barriers/Access Controllers/RFID Readers (2014-2019)

Year	2015	2016	2017	2018	2019
Number	192	192	192	192	193

Some noteworthy technology support upgradation over the years:

Implementation of Wi Fi in the Campus via deployment of Cisco and Ruckus Wi-Fi with 802.11 a/b/g

- *Enabled Wi-Fi Services in Hostels and Academic Blocks*
- *Enabled teachers to use laptops for teaching & learning purpose*

Enhancement of Security from OPEN to secure wireless Network

- *Updated the Wireless Security Encryption to Protect User's Data*
- *Eliminated the risk of wireless attacking & spoofing*

Upgraded the Wi-Fi with new Aruba Dual Band Technology

- *Improve the Wi-Fi Connection Speed for the Users*
- *Increased the user capacity to connect more users at single time*

Increased Coverage of Wi-Fi by installing extra Wi-Fi devices in Hostels and Academic Buildings

- *Increase the WI-FI coverage for the users*
- *Users can seamlessly roam from one location to another*

Implementation of Wi-Fi BYOD Rooms for Engineering & Management Classes

- *Enabled Learning beyond the classroom walls.*
- *Allowed the parents, students and teachers to be more engaged with each other.*
- *Helped the students for encouraging students to stay on task, and engage in classroom activities and discussion*
- *Students and teachers were able to share notes and assignments easily using free live tools like google doc, one note, email etc.*

Technology advancement by introducing Wireless Virtual Controller

- *Flexible wireless environment allowed large number of devices to connect*
- *Removed dependency on special hardwares*
- *Ability to handle 10,000 active users at a time*

Internet related technology

Year	2015	2016	2017	2018	2019
MBPS	1000	1334	1500	1500	1500

CURRENT FACILITY

- **Upto 1.5 Gbps internet bandwidth connectivity** for the students and staff with efficient surfing speeds and seamless connectivity.
- **Class A ISP Services** in campus for traffic load balancing and maximum throughput and redundancy
- **24X7 Bandwidth Management** via on premises solution (24online) for effective surfing / download & upload with consistent speeds.
- **All Students** having access to the internet in hostels via latest wi-fi devices deployed at each hostel.
- **Holistic Campus Coverage** of all the academic buildings are fully covered with high speed wi-fi which includes indoor and outdoor access points.

PART B

Implementation of E-Governance and its evolution via University's ERP - University Management System (UMS)

E Governance and its evolution via University's ERP-University Management System (UMS) is discussed in two sub parts namely:

B.1 - E Governance milestones achieved in the form of addition of new modules to existing UMS modules.

B.2 - Usage of some of the modules by the faculty, staff and students.

The implementation of E-Governance via UMS have been progressive and steady over the years with newer modules and portal being added up along with diverse report generations and platforms, thereby easing the day-day working of the University.

B.1 E-Governance Milestones-List of new modules added in Year 2018-19

1. Planning and Development

- Guest Interaction - Internal and External Appointment on Office Management System

2. Administration

- Online Document Verification Portal
- Surplus Stock Declaration System
- Implementation of Uni Guest House Management System
- Expansion in the record portal of various Certificate of international students
- Implementation of Auto Reminders/Alerts about movement of items.
- Provision to generate PCP Sections for scheduling of classes.

3. Finance and Accounts

- Expansion of Budget & Expenditure System

4. Student Admission and Support

- Introduced the Student Counselling System.

- Expansion of Admission System by adding Online Self Declaration Documents.
- Academic Discussion Forum
- LPU Touch Mobile App. features enhanced by providing access to various services through same as available on LPU e-Connect
- Online availability of PCP Attendance in student login
- Online availability of PCP Certificates of each attended PCP Session

5. Examination:

Minor improvements have been done in the existing examination modules to make them user savvy.

B.2 Usage of some of the Module by the faculty, staff and students for the Year 2018-19:

Planning and Development

Entity	Frequency
Actionable Points Issued to Faculty & Staff	16415
Minutes of Meeting- Actionable Points	60147
Minutes of Meeting- Non-Actionable Points	36834
OMS Entries registered for seeking appointment	54873
Pre-Post Visit reports filled	8940
Communication Module entries	12568
Pit Stop (Ideas & Suggestion by Staff & Faculty)	138

Administration

HR Related Entity	Frequency
No. of Overall Appraisal filled: Teaching Staff	1532
No. of Overall Appraisal filled: Admin & Technical Staff	10302
Monthly Appraisals Filled	23106
Initial Performance Reviews Filled	233
Leaves Applied by faculty & Staff	282597
PDL Telephonic slips applied	25210

Service related Certificates Issued	4203
HR related announcements	262

Safety and Security Related Entity	Frequency
RFID's Issued to faculty and staff for Four wheelers	364
Turnstile Ids issued for 2 wheelers to staff	394
Gate Passes made online	53729

General Administration Related Entity	Frequency
DHS: Doctor appointment requests received	3690
IT: CCTV View live requests received	20
IT: CCTV View recording requests received	342
Media: Request for press release received	65
Hospitality: Room booking request received	30933
Transportation requests received	226
Procurement: Toner refilling requests Received	2042
Procurement: Toner refilling requests Approved	2002

Finance and Accounts

Entity	Frequency
% Receipts issued online	7831
No. of tuition fee certificates issued	1733
No. of loan letters issued	4462
No. of times advance was issued online	2539
Salary certificates issued	68
Staff Loan Letter Issued	75

Student Admissions and Support

Entity	Frequency
Number of students enrolled through University's portal	5550
Number of student's admission queries solved over email	94059
Number of student's admission queries solved over website chat applet	25377
Number of student's admission queries solved over WhatsApp	12570
Number of admission queries handled from online platforms (Web Leads)	437552
Number of students who applied for LPUNEST through the portal	34039

Examination

Entity	Frequency
Examinations scheduled via UMS (Theory)	All Exams
Examinations scheduled via UMS (Practical)	All Exams
Question papers prepared for examination conduct	5452
Questions received in question bank	652324
DMCs Issued on student's request	8330
Character certificates issued on student's request	5312
Bonafide certificates issued on student's request	8920
Scrutiny of student OMR sheets via UMS	29308
Marks punched in marks entry interface	All
No. of Chief Examiners assigned duties in MTT	1474
No. of Chief Examiners assigned duties in ETT	2929
No. of duties punched as paper setter	3259
Evaluation team duties punched in MTT	1474
Evaluation team duties punched in ETT	7723

Distance Learning (LPU E-Connect Related usage)

Entity	Frequency
No. of announcements posted	135
No. of Messages Uploaded	105616
No. of ID cards generated	13539
No. of fee receipts generated online	31034
No. of e-resources available	5552
No. of learners registered for PCP	2788