

**GOVT. HOLKAR (MODEL AUTONOMOUS)
SCIENCE COLLEGE, INDORE**



(An ISO 9001:2015 & ISO 14001:2015 Certified Institution)



SSR DOCUMENT

2017-18 TO 2021-22

CRITERION - 4

Infrastructure and Learning Resources

Metric No.: 4.3.1

Document Title:
IT Cell Report



IT Cell Report

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IT CELL
ANNUAL REPORT
(Session 2017-2018)

The IT Cell at Holkar Science College has made significant progress in leveraging technology to enhance teaching, learning, and administrative processes during the year. This report provides an overview of our activities, achievements, and future plans.

Introduction:

The IT Cell of Holkar Science College came into its independent existence in the session 2016-2017. Prior to this, the IT requirement of the institute was handled by the Computer Science Department of the Institution. At present, it is working under the umbrella of the Examination Department.

Goals and Objectives:

The goals and objectives set by the IT Cell for the year, are aligned with the college's strategic plan. The IT Cell is responsible for reliable IT infrastructure, digital initiatives, and professional development opportunities.

IT Infrastructure and Services:

The IT infrastructure available within the institution, includes hardware, software, network infrastructure, and support services. Regular upgradation of the IT services is taken care of. The institution has IT integration policy exists for the smooth running of the IT Cell. All the examination procedures are handled by the IT Cell.

Digital Initiatives:

Several digital initiatives were implemented by the IT Cell to enhance teaching, learning, research, examination, and administrative processes.

- Online student profile was generated.
- Online examination form.
- Online attestation form could be generated
- Admit Cards could be downloaded online

The IT cell has two programmers who effortlessly manage the IT requirement of the Institution. Most of the working software is indigenously developed by the IT Cell.

The Institutional website is designed, developed and managed by the IT cell.

Data Security and Privacy:

IT Cell ensures data security, privacy, and compliance with relevant regulations so as to avoid any breach of security. Responsible use of IT resources is promoted during various meetings.

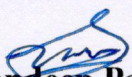
IT Cell helps in the execution of the college's academic and administrative functions.

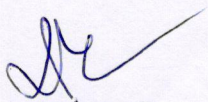
Future Plans and Recommendations:

The IT Cell's future plans and recommendations are for improving IT infrastructure, services, and digital initiatives. The IT cell will look for initiatives for a robust examination management system with IT integration.

The IT Cell works in view of the Digital India Mission and supports the institution's mission and vision for technology enhancement. The IT Cell expresses its gratitude to its team members, stakeholders, and contributors who supported the IT Cell in its efforts.


Nagesh Patel
 Assistant Programmer


Sandeep Patel
 Programmer


Dr. Ravindra Garg
 Controller of Examination
 Controller (Exam)
 Govt. Holkar Science College
 INDORE (M.P.)

ANNUAL REPORT OF THE IT CELL

(SESSION 2018-2019)

The IT Cell at Holkar Science College has been dedicated to enhancing teaching, learning, and administrative processes through the effective use of technology. This annual report provides an overview of our activities, achievements, and future plans.

Introduction: The IT Cell of Holkar Science College was established as an independent entity in the 2016-2017 academic session. Previously, the IT requirements of the institution were managed by the Computer Science Department. Currently, the IT Cell operates under the supervision of the Examination Department.

Goals and Objectives: The IT Cell is aligned with the college's strategic plan and aims to achieve specific goals and objectives. These include ensuring the availability of reliable IT infrastructure, implementing digital initiatives, and providing opportunities for professional development.

IT Infrastructure and Services: The IT Cell oversees the institution's IT infrastructure, including hardware, software, network infrastructure, and support services. We regularly upgrade our IT services to meet the evolving needs of the college. Additionally, the IT Cell plays a crucial role in managing all examination procedures, ensuring smooth operations.

Digital Initiatives: Several digital initiatives were implemented by the IT Cell to enhance teaching, learning, research, examination, and administrative processes.

- Examination System was upgraded with an online control panel for revaluation and copy showing.
- The student profile was linked with Aadhar.

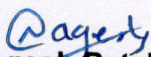
- The mark sheet included a photograph of the student.
- An additional site-lock and SSL Certificate for website was installed for website security and users data security.
- A software was indigenously developed for the account section.

The IT Cell at Holkar Science College efficiently manages the institution's IT requirements with the assistance of two programmers. They develop most of the required software in-house, and the IT Cell also takes care of managing the institutional website.

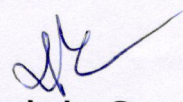
Data Security and Privacy: The IT Cell places a strong emphasis on data security, privacy, and compliance with relevant regulations to prevent any security breaches. Responsible use of IT resources is promoted through regular meetings and discussions. The IT Cell plays a vital role in supporting the college's academic and administrative functions.

Future Plans and Recommendations: The IT Cell has future plans and recommendations aimed at improving the IT infrastructure, services, and digital initiatives. The focus will be on implementing a robust examination management system with seamless IT integration.

The IT Cell is aligned with the Digital India Mission and supports the institution's mission and vision for leveraging technology. The IT Cell extends its gratitude to the team members, stakeholders, and contributors who have supported its efforts.


Nagesh Patel
 Assistant Programmer


Sandeep Patel
 Programmer


Dr. Ravindra Garg
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ANNUAL REPORT OF IT CELL, Govt. Holkar (model, Autonomous)
Science College, Indore
(SESSION 2019-2020)

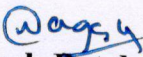
The spread of COVID-19 pandemic in the later half of the session disrupted the normal mode of teaching and learning and other institutional affairs, but accelerated the adoption and integration of technology across various sectors, highlighting its potential to enable remote operations, enhance connectivity, and ensure students learning continuity. The IT Cell at Holkar Science College is committed to utilizing technology to enhance teaching, learning, and administrative processes. This report offers an overview of the IT Cell's activities, accomplishments, and future plans.

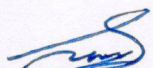
1. **Introduction:** The IT Cell was established as an independent entity in the 2016-2017 academic session, taking over from the Computer Science Department. It currently operates under the supervision of the Examination Department.
2. **Goals and Objectives:** Aligned with the college's strategic plan, the IT Cell aims to provide reliable IT infrastructure, implement digital initiatives, and offer professional development opportunities.
3. **IT Infrastructure and Services:** The IT Cell manages the institution's IT infrastructure, encompassing hardware, software, network infrastructure, and support services. Regular upgrades are conducted to meet the evolving needs of the college. Additionally, the IT Cell plays a vital role in managing examination procedures, and ensuring efficient operations.
4. **Digital Initiatives:** The IT Cell at Holkar Science College implemented various digital initiatives to enhance teaching, learning, research,

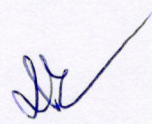
examination, and administrative processes. These initiatives included upgrading the examination system with an online feedback system for students. The Campus, as well as Examination section security, was enhanced by installing CCTV cameras.

5. **IT Management:** The IT Cell efficiently handles the institution's IT requirements with the assistance of two in-house programmers. They develop all the necessary software, and the IT Cell also takes responsibility for designing, development and managing the institutional website.
6. **Data Security and Privacy:** The IT Cell prioritizes data security, privacy, and compliance with regulations to prevent security breaches. They actively promote the responsible use of IT resources through regular meetings and discussions. The IT Cell plays a significant role in supporting the college's academic and administrative functions.
7. **Future Plans and Recommendations:** The IT Cell has future plans and recommendations aimed at enhancing the IT infrastructure, services, and digital initiatives. Specifically, they are focused on implementing a robust examination management system with seamless IT integration.

The IT Cell at Holkar Science College aligns with the Digital India Mission and actively supports the institution's mission and vision of leveraging technology. The IT Cell extends its gratitude to the team members, stakeholders, and contributors who have supported their efforts.


Nagesh Patel
Assistant Programmer


Sandeep Patel
Programmer


Dr. Ravindra Garg
Controller of Examination
Controller (Exam)
Govt Holkar Science College
INDORE (M.P.)

ANNUAL REPORT

IT CELL, Govt. Holkar (model, Autonomous) Science College, Indore

(SESSION 2020-2021)

Introduction: The COVID-19 pandemic brought about significant disruptions to various sectors, including education, business, and healthcare. However, it also served as a catalyst for a technology boost, driving the rapid adoption and innovation of technology solutions. Technology played a crucial role during the COVID-19 pandemic. With lockdowns and social distancing measures in place, organizations swiftly transitioned to remote work setups. Video conferencing platforms, project management tools, and cloud-based collaboration platforms became essential for teams to communicate, collaborate, and stay productive.

The Holkar Science College shifted to online learning to ensure continuity of education. E-learning platforms, video conferencing tools, and learning management systems became crucial for conducting virtual classes, delivering course materials, and facilitating student-teacher interactions.

The IT Cell at Holkar Science College is dedicated to utilizing technology for the improvement of teaching, learning, and administrative processes. This annual report presents a summary of the IT Cell's activities, achievements, and future plans. The IT Cell was established as an independent entity during the 2016-2017 academic session, assuming responsibilities previously handled by the Computer Science Department. It currently operates under the supervision of the Examination Department.

Goals and Objectives: Aligned with the college's strategic plan, the IT Cell strives to provide dependable IT infrastructure, implement digital initiatives, and facilitate professional development opportunities.

IT Infrastructure and Services: The IT Cell oversees the institution's IT infrastructure, including hardware, software, network infrastructure, and support services. Regular upgrades are undertaken to meet the evolving demands of the

college. Moreover, the IT Cell plays a crucial role in managing examination procedures to ensure smooth operations.

Digital Initiatives: The IT Cell at Holkar Science College has implemented several digital initiatives to improve teaching, learning, research, examination, and administrative processes.

- These initiatives included introducing an Open Book Examination. Question papers were uploaded on the student profile.
- The student profile was upgraded with OTP based profile.
- A payment Gateway (API) was procured and installed for online fees collection.
- OMR was introduced for the foundation course paper, wherein printing, scanning, and reading all were managed in-house.
- A bulk SMS system was introduced.
- Online learning platforms were introduced
- Holkar LMS was launched with the help of the Physics and Electronic Department.

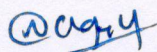
IT Management: With the support of two in-house programmers, the IT Cell efficiently manages the institution's IT requirements. They develop all the necessary software and are also responsible for designing, developing and maintaining the institutional website.

Data Security and Privacy: Data security, privacy, and compliance with regulations are paramount for the IT Cell. They actively promote the responsible use of IT resources through regular meetings and discussions. The IT Cell plays a crucial role in supporting the college's academic and administrative functions.

Future Plans and Recommendations: The IT Cell has future plans and recommendations focused on enhancing IT infrastructure, services, and digital

initiatives. They aim to implement a robust examination management system with seamless IT integration. Online data collection for CCE and Practical examination are planned. Website upgradation in view of upcoming NAAC accreditation preparation is in the pipeline. Upgradation of the LMS to suit the pedagogical diversity of the curriculum has to be done.

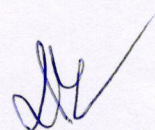
The IT Cell at Holkar Science College is aligned with the Digital India Mission and actively supports the institution's mission and vision of harnessing technology. The IT Cell expresses gratitude to team members, stakeholders, and contributors for their unwavering support.



Nagesh Patel
Assistant Programmer



Sandeep Patel
Programmer



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Govt. Holkar Science College
INDORE (M.P.)

IT CELL, Govt. Holkar (model, Autonomous) Science College, Indore

(SESSION 2021-2022)

ANNUAL REPORT

Introduction:

The COVID-19 pandemic disrupted various sectors, including education, business, and healthcare, but it also acted as a catalyst for the rapid adoption and innovation of technology solutions. In response to the pandemic, educational institutions globally shifted to online learning, relying on e-learning platforms, video conferencing tools, and learning management systems to conduct virtual classes, deliver course materials, and facilitate student-teacher interactions.

The IT Cell at Holkar Science College is committed to harnessing technology to enhance teaching, learning, and administrative processes. This annual report provides a summary of the IT Cell's activities, accomplishments, and future plans. The IT Cell was established as an independent entity in the 2016-2017 academic session, taking over the responsibilities previously handled by the Computer Science Department. It currently operates under the supervision of the Examination Department.

Goals and Objectives:

Aligned with the college's strategic plan, the IT Cell aims to provide reliable IT infrastructure, implement digital initiatives, and create opportunities for professional development.

I T Infrastructure and Services:

The IT Cell oversees the institution's IT infrastructure, including hardware, software, network infrastructure, and support services. Regular upgrades are conducted to meet the evolving needs of the college. Additionally, the IT Cell plays a vital role in managing examination procedures to ensure seamless operations.

Digital Initiatives:

The IT Cell at Holkar Science College has undertaken several digital initiatives to enhance teaching, learning, research, examination, and administrative processes.

- Online data collection for CCE, seminar, and practical examination and viva.

- Revaluation result processing software for the examination department.
- Technology-enabled teaching and learning.
- Adding new features to Holkar Learning Management System (LMS).

IT Management:

With the expertise of two in-house programmers, the IT Cell efficiently handles all of the institution's IT requirements. They develop all the necessary software and are responsible for designing, developing and maintaining the institutional website.

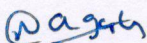
Data Security and Privacy:

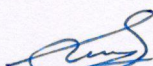
Data security, privacy, and compliance with regulations are of utmost importance to the IT Cell. They actively promote responsible usage of IT resources through regular meetings and discussions. Additionally, the IT Cell plays a pivotal role in supporting the college's academic and administrative functions.

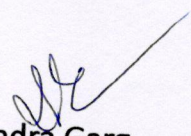
Future Plans and Recommendations:

The IT Cell has ambitious plans to further enhance IT infrastructure, services, and digital initiatives. They aim to implement a robust examination management system with seamless IT integration. The IT Cell intends to upgrade the website in preparation for upcoming NAAC accreditation. Online Docket system will be initiated. Additionally, they plan to improve the LMS to cater to the pedagogical diversity of the curriculum. Android application for students is under process.

The IT Cell at Holkar Science College is fully aligned with the Digital India Mission and actively supports the institution's mission and vision of leveraging technology. The IT Cell extends its heartfelt gratitude to team members, stakeholders, and contributors for their unwavering support.


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