

Managing Data and its Implications

Lecture Title: Implications on Business



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Last Lecture

- Introduction to GDPR
- Data Breaches & Identity Theft
- GDPR Fines
- Data, Personal Data & Special Category of Data
- Definitions
- Data Protection Officer
- 6 Principles of GDPR and Accountability
- Lawfulness of processing
- Data Subject Rights
- Subject Access Requests



Which of the following is a principle of GDPR?

- A) Data Encryption
- B) Secure Socket Layer (SSL)
- C) Purpose Limitation
- D) Firewall Protection
- E) Two-Factor Authentication



Which of the following is a principle of GDPR?

A) Data Breach Notification

B) Right to Erasure

C) Data Minimisation

D) Accuracy

E) Consent



Which of the following is a principle of GDPR?

A) Right to Access

B) Lawfulness, Fairness, and Transparency

C) Storage Limitation

D) Integrity and Confidentiality

E) Profiling



Which of the following is a principle of GDPR?

A) Purpose Limitation

B) Individual Rights

C) Consent

D) Accountability

E) Data Minimisation



Which of the following is a principle of GDPR?

- A) Storage Limitation
- B) Right to Rectification
- C) Data Portability
- D) Lawfulness, Fairness, and Transparency
- E) Two-Factor Authentication



Which of the following is a principle of GDPR?

A) Data Breach Notification

B) Purpose Limitation

C) Accountability

D) Data Encryption

E) Right to Erasure



Which of the following is a principle of GDPR?

- A) Accuracy
- B) Data Minimisation
- C) Purpose Limitation
- D) Lawfulness, Fairness, and Transparency
- E) Profiling



Most effected departments in a company?

- IT
- Human Resources
- Marketing (Sales)
- Finance



Impact on business





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Checklist

Ensure all
employees are
aware of GDPR
regulations and their
responsibilities

Awareness

15:00



How can you create GDPR awareness within an organisation?

Creating Awareness

- Conduct GDPR training
- Communicate GDPR policies
- Create GDPR champions
- Display GDPR posters
- Encourage reporting of GDPR incidents
- Conduct GDPR audits
- Provide GDPR resources





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Checklist

Review and
update privacy
notices and
policies



Policies and Procedures

15:00



What GDPR Policies and
Procedures should a
company have in place?

Policies and Procedures

- Privacy Standard (Data Protection Policy)
- Privacy Notices
 - Shareholders
 - Employees
 - Clients
 - Website
 - Directors
 - Job Applicants
 - Suppliers



Policies and Procedures

- Data Retention Guidelines
 - HRM
 - Business related
- Data Breach
 - Policy
 - Procedure
- Subject Access Requests
 - Policy
 - Procedure



Policies and Procedures

- CCTV Policy/Notice/Signage
- Data Protection Impact Assessment
- Image Consent Forms
- IT Systems Policies
 - IT and Communications System Policy
 - Disposal of IT Equipment Policy
 - Email Usage Policy
 - Bring Your Own Device Policy



Privacy Standard

- A privacy standard is an **'inward-looking document'**, recently replacing what was previously known as a "privacy policy".
- Today, this has become an essential document which **regulates an organisation's handling of personal data** (whether obtaining, controlling, processing, transport, or storage) and also **informs employees of their duties** under data protection legislation.



Privacy Standard

- written in simple language and presented in an accessible form
- comprehensive
- easily accessible



Privacy Standard

- Having these duties set out in writing does not exempt the employer from being bound to **educate & train employees** on good data practices in order to comply with the law.



Notice to Data Subjects

- Shareholders
- Employees
- Clients
- Website
- Directors
- Job Applicants
- Suppliers



Notice to Data Subjects

- Who is processing the data
- What legal basis allow you to collect user data
- What are the purposes of collecting the personal data
- What types of personal data you collect



Notice to Data Subjects

- How long you're going to store the data
- The contact details of the data protection officer, where applicable;
- The right to lodge a complaint with a supervisory authority;
- Whether you transfer the data internationally



Notice to Data Subjects

- Whether you use the data in automated decision-making
- With what third parties you share the data
- What are the data subject rights
- How you'll inform users that your policy has changed



Secure IT Policy

- Equipment Security and Passwords
- Systems and Data Security
- Email
- Using the Internet
- Personal Use of Systems
- Monitoring
- Prohibitive use of systems
- Disposal of IT equipment





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15:00



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Email Use Policy

- Prevents Phishing
- Abide with privacy legislation
- Personal Data



Email Use Policy

- **Standards** users must follow when using the Work Email
- Ensuring availability by **protecting** it from unauthorised or accidental modification
- Preserving confidentiality and protect against **unauthorised disclosure**
- Making the Users **aware** of what is acceptable and unacceptable use of the Work Email.



Emails

15:00



Identify bad practices in email use that may lead to a data breach?

Email Use - bad practices

- Sending email to the wrong recipient
- Sending email to multiple recipients with all in copy
- Sending attachments which are not password protected
- Using work email for personal use
- Sharing of email login credentials
- Not monitoring of incoming emails
- Auto forwarding emails to another account
- No backup



Can you give examples of employees' monitoring?



05:00



info

<!DOCTYPE
<HTML>

Monitoring of Employees

- Computer and Internet Monitoring
- Video Surveillance
- Telephone Monitoring
- GPS Tracking
- Email Monitoring
- Time and Attendance Monitoring
- Performance and Productivity Monitoring
- Keystroke Logging
- Social Media Monitoring
- Data Movement
- Mystery Shopping



Monitoring of Employees

“Employers have legitimate interests in monitoring in order to improve efficiency and protect company assets. However, workplace monitoring becomes intrusive and unjustifiable if it is not limited or transparent”

- Working Party 29



Monitoring of Data Subjects

- Data Subjects must be informed:
- of the existence of monitoring;
- about the purposes for which their data is processed; and
- of any other information necessary to guarantee fair processing.



Monitoring of Data Subjects

This sign is affixed in an office. It is informing employees & visitors that monitoring is being carried out



Is this enough? Why?

Monitoring of Data Subjects



A yellow rectangular sign template for CCTV monitoring. At the top center is a black triangle containing a camera icon. Below the triangle, the word "Caution" is written in a large, bold, black font, followed by "CCTV in operation" in a slightly smaller, bold, black font. Underneath, there are three sections of text, each followed by a white rectangular input box with a black border. The first section is "This scheme is operated by:", the second is "For the purpose of:", and the third is "For more information and access requests contact". At the bottom right corner of the sign, the website "www.barrowsigns.com" is printed in a small font.

Caution
CCTV in operation

This scheme is operated by:

For the purpose of:

For more information and access requests contact

www.barrowsigns.com

Monitoring of Data Subjects

05:00



What is missing in this notice from an HR perspective?



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Checklist

Ensure all data
processing
activities have a
lawful basis



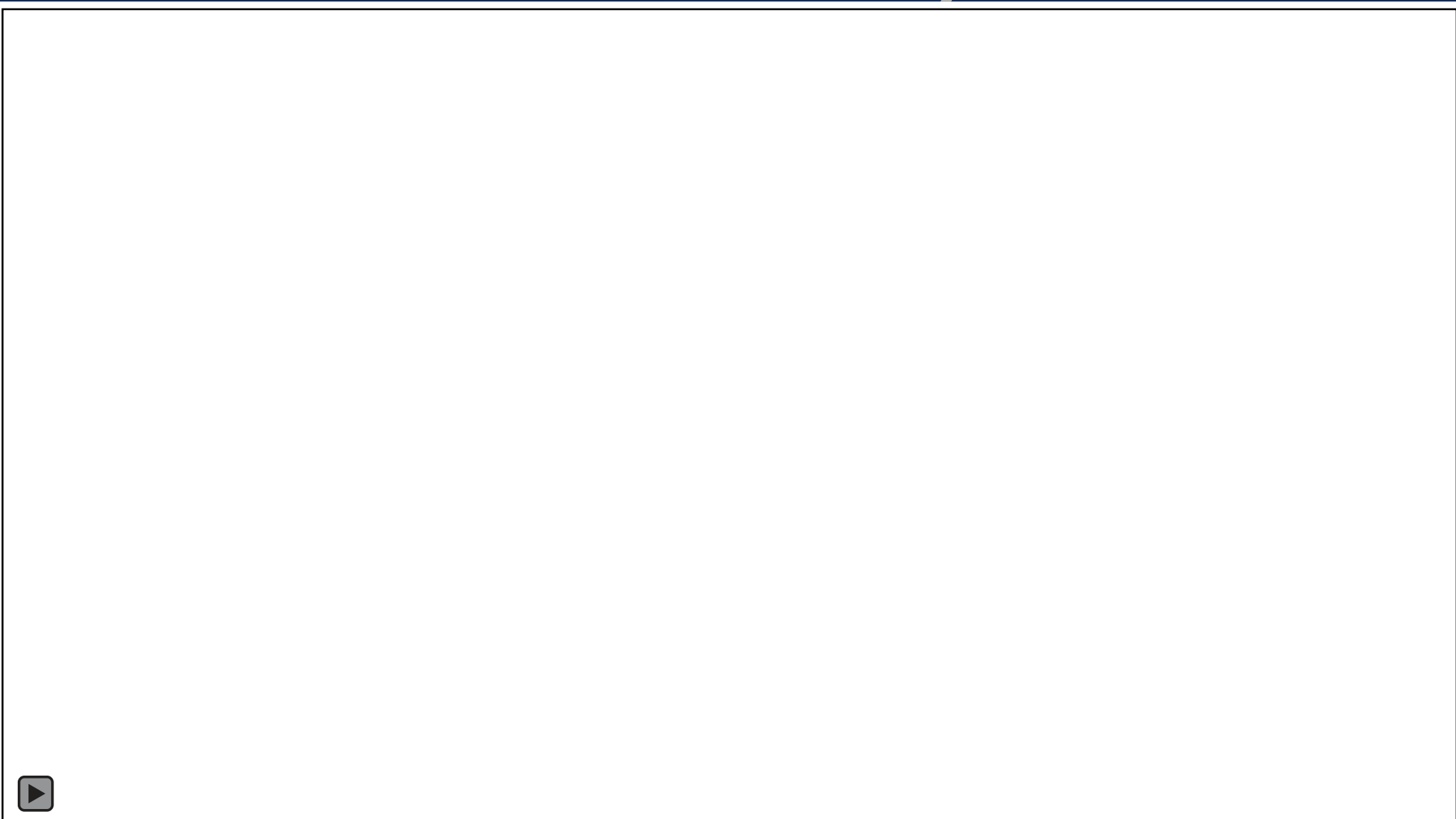
Ensure all data processing activities have a lawful basis



How?

05:00

Create a Data Inventory





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Checklist

Implement
measures to ensure
data accuracy and
minimise data
collection



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Checklist

Review and update
data processing
agreements with
third-party service
providers



Data Processing Agreement

- Subject matter and duration
 - the nature,
 - types of personal data
 - categories of data subjects
 - scope, and
 - purpose of the processing activities, and
 - the duration of the processing



Data Processing Agreement

- Obligations of the data processor: including
 - measures taken to ensure data security,
 - confidentiality, and
 - compliance with GDPR
- Subcontracting
 - obtain the data controller's prior written consent and
 - impose the same obligations on any subcontractor



Data Processing Agreement

- Obligations of the data controller
 - contact points
 - transfer methods
 - within when to give written authorisations
 - pre-notifications



Data Processing Agreement

- Data subject rights:
 - how data subjects can exercise their rights
 - right to access,
 - rectify,
 - erase,
 - restrict processing,
 - object, and
 - data portability



Data Processing Agreement

- Data breaches:
 - data processor's obligations in the event of a data breach
 - notifying the data controller
 - the supervisory authority
 - assisting with investigations
 - remedial actions.



Data Processing Agreement

- International transfers:
 - the safeguards implemented to ensure an adequate level of protection for personal data.
- Audit and compliance:
 - allow the data controller to conduct audits or inspections to ensure compliance with GDPR regulations.



Data Processing Agreement

- Termination:
 - specify the circumstances under which the agreement can be terminated, and
 - the consequences of termination.
- Governing law and jurisdiction.





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Checklist

Implement
appropriate technical
and organisational
measures to ensure
data security

Technical vs Organisational measures



Technical vs Organisational measures



Technical Measures

Facility protection

Firewalls

VM Security

Sys Admin

and many more

Data Encryption

(at record-application level)

Auth & Access Control

Consent Tracking

Immutable audit logs

and many more

Privacy Policies

Terms & Conditions

DPA

DPIA & Risk Assess.

and many more



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Checklist

Appoint a Data
Protection Officer
(DPO) if required
by the GDPR

Appoint a Data Protection Officer

- Assess whether it is obligatory to have a DPO
 - What are the reasons you appoint a DPO?
- Check what member state law says
 - In Malta DPO has to be registered with the IDPC
 - Data Controller, Name of DPO, Mailing Address, Email Address, Contact Number, Nature of Business, and Date of Appointment.



Appoint a Data Protection Officer

- Always appoint someone responsible for data privacy





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Checklist

Establish procedures
to respond to data
subject requests and
complaints

Lecture 4



Checklist

Conduct regular
data protection
impact assessments
(DPIAs) for high-risk
processing activities

Lecture 7



Checklist

Establish procedures to
report data breaches
to the supervisory
authority and affected
individuals

Lecture 7



Checklist

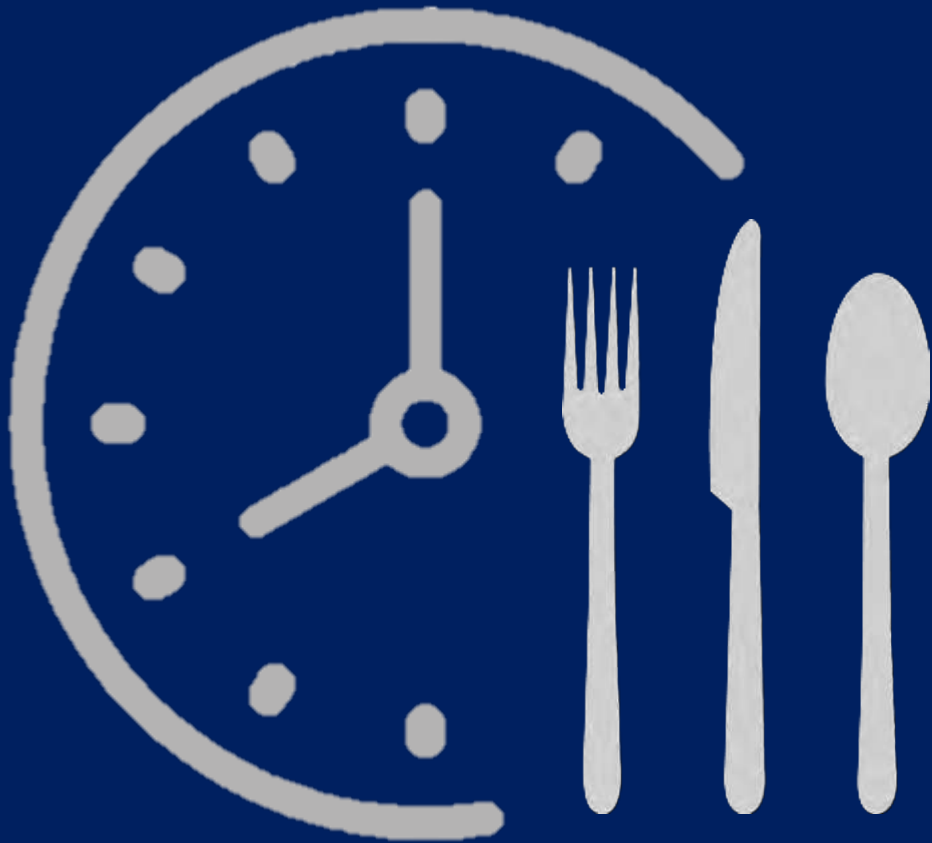
Conduct regular
GDPR compliance
audits and
reviews





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60:00



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IT Department

30:00



Technical & Organisational
Measures?

How can the IT department help with GDPR compliance?

Privacy By Design - Data Protection Impact Assessment (DPIA)

- Must be prior to processing;
- Must be continual (not a one time process);
- Processors should assist controllers;
- Recommended to seek independent expert advice.

ISO/IEC 29134:2017 : Information technology -
Security techniques - Guidelines for privacy impact
assessment



How can the IT department help with GDPR compliance?

Privacy By Default

The controller shall implement **mechanisms** for ensuring that, by **default**, only those personal data are processed which are necessary for each specific purpose of the processing,

(& not collected or retained beyond the minimum necessary for those purposes, both in terms of the amount of the data and the time of their storage).



How can the IT department help with GDPR compliance?

Privacy By Default - Example

A social media platform should be encouraged to set users' **profile settings in the most privacy-friendly setting** by, for example, limiting from the start the accessibility of the users' profile so that it isn't accessible by default to an indefinite number of persons.



How can the IT department help with GDPR compliance?

GDPR, Article 5(1)f - the 6th Principle

“Personal Data shall be processed in a manner that ensures appropriate **security** of the personal data, including **protection against unauthorised or unlawful processing and against accidental loss, destruction or damage**, using appropriate technical or organisational measures”



How can the IT department help with GDPR compliance?

Security measures put in place should seek to ensure :

- the data can be **accessed, altered, disclosed or deleted** only by those you have **authorised** to do so (and that those people only act within the scope of the authority you give them);
- the data you hold is **accurate and complete** in relation to why you are processing it; and



How can the IT department help with GDPR compliance?

Security measures put in place should seek to ensure :

- the data remains accessible and usable, i.e. if personal data is accidentally **lost, altered or destroyed**, you **should be able to recover** it and therefore prevent any damage or distress to the individuals concerned



Physical vs Cyber Security

PHYSICAL SECURITY



- the quality of doors and locks, and the **protection of premises** by such means as alarms, security lighting or CCTV;
- **access control** to premises, and how **visitors** are supervised;
- Paper, waste and electronic **disposal**; and
- Security of **IT equipment**, particularly mobile devices

CYBER SECURITY



- **System/network security** – the security of network and information systems, including those which process personal data;
- **data security** – the security of the data held on systems, eg ensuring appropriate access controls are in place and that data is held securely;
- **online security** – eg the security of a website and any other online service or applications used; and
- **device security** – including policies on Bring-your-own-Device (BYOD).

Security

Use Firewalls to secure your internet connection

- This effectively creates a 'buffer zone' between your IT network and other, external networks.
- Incoming traffic can be analysed to find out whether or not it should be allowed onto your network.



Security

Choose the most secure settings for your devices and software

- Manufacturers often set the **default configurations** of new software and devices to be as open and multi-functional as possible. They come with 'everything on' to make them easily connectable and usable
- Check Settings. Change Passwords.
- For important accounts, use 2-factor authentication (2FA)



Security

Control who has access to your data and services

- Set admin accounts;
- Check privileges;
- Standard accounts should be used for general work. By ensuring that your staff don't browse the web or check emails from an account with administrative privileges you cut down on the chance that an admin account will be compromised
- only use software from official sources



Security

Protect yourself from viruses and
other malware

- Anti-malware measures;
- Whitelisting;
- Sandboxing (isolates applications);



Security

**Keep your devices and software
up to date**

- Operating systems, programmes, phones and apps should all be set to 'automatically update' wherever this is an option;
- Replace unsupported hardware or software;



Security

Penetration Testing

- Obligation to carry out '**stress tests**' (vulnerability scanning and penetration testing) of networks and information systems, which are designed to reveal areas of potential risk and things that you can improve.
- ICO : The GDPR now makes this an obligation for all organisations.



Security

E-Mail Security

- Consider whether the content of the email should be encrypted or password protected.
- Make sure you choose the right address before you click send.
- If you want to send an email to a recipient without revealing their address to other recipients, make sure you use blind carbon copy (bcc), not carbon copy (cc).
- If you send a sensitive email from a secure server to an insecure recipient, security will be threatened. You may need to check that the recipient's arrangements are secure enough before sending your message.





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15:00



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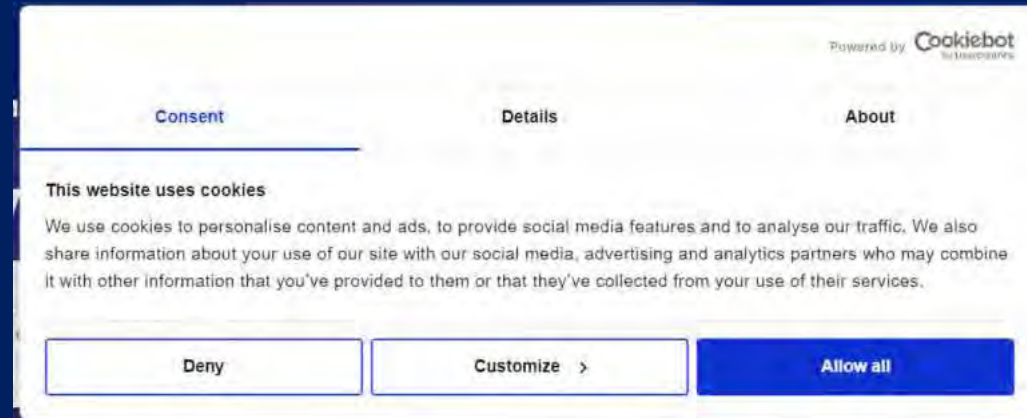
GDPR & Privacy Laws

Is your website GDPR Compliant?



Website Compliance

Cookie Notification



Powered by **Cookiebot**
LUTSIS/2019/01/11

Consent Details About

This website uses cookies

We use cookies to personalise content and ads, to provide social media features and to analyse our traffic. We also share information about your use of our site with our social media, advertising and analytics partners who may combine it with other information that you've provided to them or that they've collected from your use of their services.

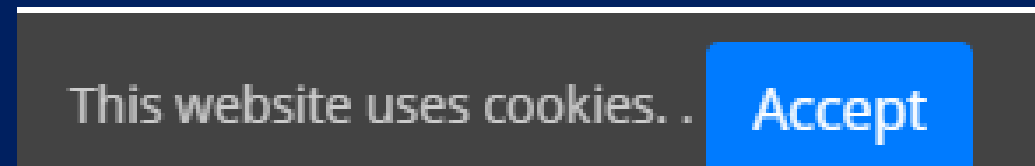
Deny Customize > Allow all



cookies

This page uses cookies: [Read more](#)

Accept



This website uses cookies. . . **Accept**

Website Compliance

Policies & Notices

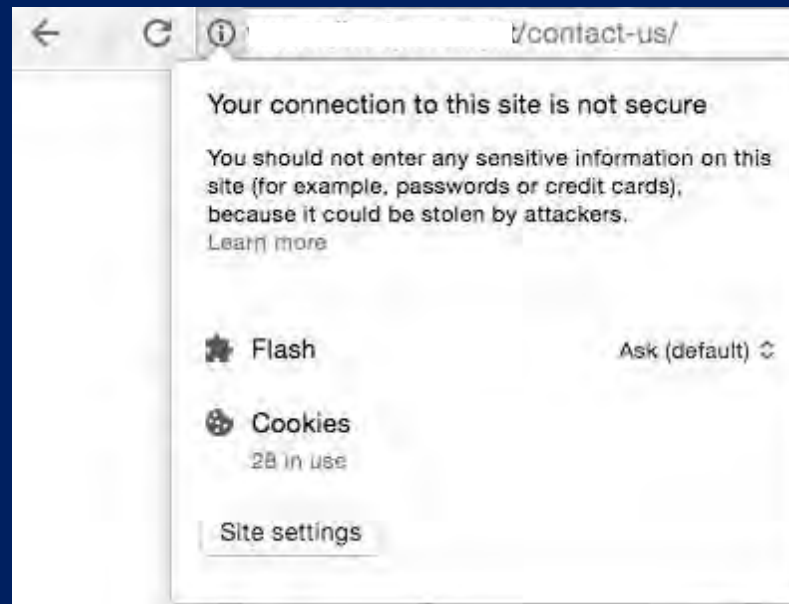
Cookie Policy which is also accessible from your privacy notice and also link it to the policies of the third party cookie providers

Privacy Notice



Website Compliance

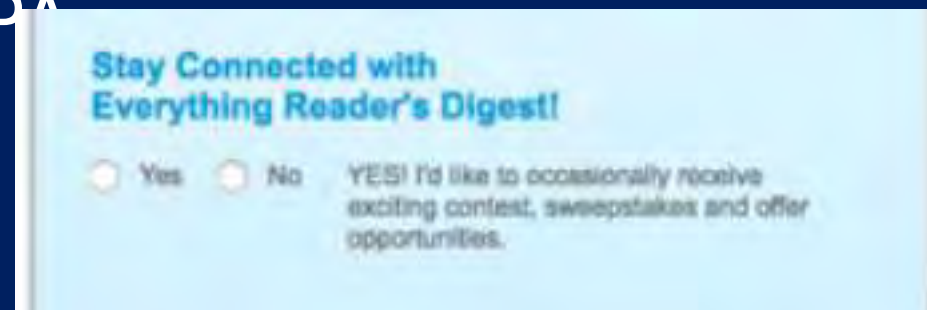
Secure Socket Layer (SSL)



Website Compliance

Data Capturing Tools

- Consent
- Links to notice/s
- Do not store data which you don't need
- Service providers (mailing list etc) should also be GDPR compliant & DPPA
- No pre ticked boxes
- Not bundled



Website Compliance

Consent from all of those who show on
photographs, videos and testimonials

including employees



Website Compliance

Payment Gateways

Make sure that they are GDPR compliant
Link Privacy Notice



Website Compliance

Web Chat

Is the chat stored?

Is data captured from the chat?

Is chat provider GDPR compliant?

Does your notice link to theirs?

Do you have a DPPA in place?





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Website

30:00



Find non-compliant features
in the website

<http://madhubanhotels.in>

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