UniMAC- Institute of Journalism library operations involve communication and coordination, library technologies and network application and tailored made products and services. Fig 1 displays the library system digital hub.

**UniMAC GIJ Library data ecosystem**

Sustainable digital data protection ecosystem towards crises: UniMAC-GIJ Library System in Perspective

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**Disasters to Digital Data**
- Natural disaster, cybercrime, data infraction, identity theft, hacking, falsification, human error

**Data protection Toolkits**

- **STEP 1** Acquire modern technological tools and applications for use
- **STEP 2** Develop and train human skills in data protection
- **STEP 3** Device data protection policies and compliance measures
- **STEP 4** Engage in data protection activities (recovery strategies, backups, migration, physical security)
- **STEP 5** Create community of practice on library data protection (Partners, Students, Staff)
- **STEP 6** Intended library protected digital data hub Application of data protection mechanisms password protection, authentication and authorisation, encryption, regular backup, robust data recovery strategies, remote backup server.

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