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(51) International classification :G06Q0030020000, G06Q0050200000, C12N0015100000, G06F0016953500, G06F0015160000 (86) International Application No :PCT// / Filing Date :01/01/1900 (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Malla Reddy Engineering College(A) Address of Applicant :Maisammaguda, Rangareddy-500100, Telangana, India ----------- ------------ Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. A. Ramaswami Reddy Address of Applicant :Professor Department of CSE Malla Reddy Engineering College(A), Maisammaguda, Rangareddy, Pin: 500100 Telangana, India ----------- ----------- 2)Dr.Arun Kumar Kandru Address of Applicant :Associate Professor Department of CSE Malla Reddy Engineering College(A), Maisammaguda, Rangareddy, Pin: 500100 Telangana, India ----------- ----------- 3)Dr.P. Srinivas Address of Applicant :Associate Professor Department of CSE Malla Reddy Engineering College(A), Maisammaguda, Rangareddy, Pin: 500100 Telangana, India ----------- ----------- 4)Mrs T.Manasa Address of Applicant :Assistant Professor Department of CSE Malla Reddy Engineering College(A), Maisammaguda, Rangareddy, Pin: 500100 Telangana, India ----------- ----------- 5)Mr. E.Sunil Address of Applicant :Assistant Professor Department of CSE Malla Reddy Engineering College(A), Maisammaguda, Rangareddy, Pin: 500100 Telangana, India ----------- ----------- 6)Mrs. R. Jyothirmai Address of Applicant :Assistant Professor Department of CSE Malla Reddy Engineering College(A), Maisammaguda, Rangareddy, Pin: 500100 Telangana, India ----------- ----------- 7)Mrs Vaddithandra Vijaya Address of Applicant :Associate Professor Department of CSE Malla Reddy Engineering College(A), Maisammaguda, Rangareddy, Pin: 500100 Telangana, India ----------- ----------- 8)Mr. A. Madhu Address of Applicant :Assistant Professor Department of CSE Malla Reddy Engineering College(A), Maisammaguda, Rangareddy, Pin: 500100 Telangana, India ----------- ----------- 9)Mr. D. Krishna Kishore Address of Applicant :Associate Professor Department of CSE Malla Reddy Engineering College(A), Maisammaguda, Rangareddy, Pin: 500100 Telangana, India ----------- -----------

(57) Abstract :
UTILIZING AN IOT AND RASPBERRY PI TO CREATE A MOBILE PRINTER COMPATIBLE WITH BLUETOOTH Abstract: In the big data environment, we develop personalized information of college libraries based on big data from three aspects: the overall architecture of the system model, the functional model of the system, and the design of system interface modules according to the design principles and requirements of the personalized information service system of the university library Service system design. In terms of the functional design of the platform, the service platform is divided into four levels: accurate identification of user needs based on big data, personalized customized services based on artificial intelligence, academic research and discussion space based on integrated media, and fine-grained subject resource aggregation based on knowledge. On this basis, a centralized model of individualized services of university libraries including internal and external personnel, information resources, technology, services, processes, platforms, and environment has been constructed Artificial intelligence (AI) is one of the emerging trends and applications of computing in libraries. It involves programming computers to do things, which if done by humans, would be said to require intelligence. The ultimate promise of artificial intelligence in libraries is to develop computer systems or machines that think, behave, and in fact rival human intelligence, and this clearly has major implications on librarianship. The application of artificial intelligence in the library has become pervasive. They include expert systems for reference services, book reading and shelf-reading robots, virtual reality for immersive learning among others. Although the incorporation of artificial intelligence in libraries can be perceived to alienate librarians from their users, it will probably help libraries do more rather than taking over the jobs of librarians. It will enhance their services delivery. Artificial intelligence will greatly improve library operations and services and will upgrade and heighten the relevance of libraries in an ever-changing digital society In recent years, Internet of Things has become a buzzword in the IT industry. The phrase Internet of Things refers to any object capable of internet connectivity. However, people have been connecting devices to the Internet for as long as anybody can remember, thus the Internet of Things is not a new concept. Generally, information is moved from one medium to another using a stationary device, such as a notepad or desktop computer. Using the printing technique, the data is delivered to the printer in the suitable format after retrieval. This can be a really terrible circumstance. This paper discusses a device capable of printing information from a mobile phone without the need for a scratch pad or desktop computer. In this study, the device is offered as a solution. In this definition, a Raspberry Pi is used to demonstrate how the Debian operating system operates. This Bluetooth device is intended to authenticate Mobile's document reception and offer RPI. The printer driver is the piece of software that enables your computer to communicate with a physically attached printer. CUPs, which were initially used at RPI, are employed for printing.

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