

ABSTRACT

Organ transplantation is a medical procedure in which an organ is removed from one body and placed in the body of a recipient, to replace a damaged or missing organ. Organ Donation and Procurement Organizations play an important role in today's medical institutions. Such organizations are responsible for the evaluation and procurement of organs for organ transplantation. These organizations have direct contact with the hospital and the family of a recently deceased donor. The work of such organizations includes identifying the best candidates for the available organs and to coordinate with the medical institutions to decide on each organ recipient.

The ORGAN DONATION AND PROCUREMENT MANAGEMENT SYSTEM is developed mainly for general hospitals, clinics and other health centers to manage the donor and patient registration and user maintenance. The public can retrieve information about organ donation in this web site. People who interested can register themselves through this system. The application will be processed by the administrator and each donor will receive feedback about their application status. Furthermore, the authorized user's account will be maintained by the administrator. The donor record will be managed by four main users such as administrator, doctor, medical assistant and management staff. Only administrator has the authority and privileges to print organ list report and total donation report according to district from this system. The methodology of this system is Structured System Analysis and Design .An analysis study has been done based on the current manual system and all the problems statements and requirements have been identified. Moreover, ORGAN DONATION AND PROCUREMENT MANAGEMENT SYSTEM is three tier architecture system which involves client tier, business tier and database management tier. The interfaces for ORGAN DONATION AND PROCUREMENT MANAGEMENT SYSTEM have been designed according to the requirement and needs of the current market Rather than that, this system also has been tested and evaluated in real life. This ORGAN DONATION AND PROCUREMENT MANAGEMENT SYSTEM will help to improve the performance of current situation and overcome the problems that arise nowadays.

ACKNOWLEDGEMENT

The success and final outcome of this project required a lot of guidance and assistance from many people and I am extremely privileged to have got this all along the completion of my project.

I would like to thank **Shri. Narayan Rao R Maanay**, Secretary, BNMIT, Bengaluru for providing excellent academic environment in the college.

I would like to sincerely thank **Prof. T J Rama Murthy**, Director, BNMIT, Bengaluru for having extended his support and encouragement during the course of the work.

I would like to express my gratitude to **Prof. Eishwar N Maanay**, Dean, BNMIT, Bengaluru for his relentless support, guidance and assistance.

I would like to thank **Dr. Krishnamurthy G N**, Principal, BNMIT, Bengaluru for his constant encouragement.

I would like to thank, **Dr. Sahana D Gowda**, Professor and Head of the Department of Computer Science and Engineering who has shared her opinions and thoughts which helped me in giving my presentation successfully.

I would like to thank. **Prof Asha K**, Assistant Professor in the Department of Computer Science and Engineering for her assistance and guidance in doing this project.

Finally, I take this opportunity to extend my earnest gratitude and respect to my parents, teaching & non-teaching staffs of the department and all my friends, for giving me valuable advice and support at all times in all possible ways.

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1BG18CS032

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