CREATION OF THE MEDICAL HISTORY OF A PERSON FOR THE WHOLE LIFE

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Abstract

As the number of diseases are increasing day by day in either in number or in the type of diseases. Also the people sometimes don't have a record of their previous medical history. So there is a need to keep the medical history of a person so that in further complications in his life or any ailment the people's medical be checked by the doctors for the better treatment of the person. So, in this research paper such a technique for the maintaining the medical history of the people has been proposed. In this medical history the medical related treatment or anything like even purchase of medicine will be listed or kept as record. This technique will really help to bring the hospitals, medical stores, chemist shops, medical practitioners will be under the ambit of the government, tax authorities and further other department for the document preparation of a person will depend on this medical history. Insurance companies will also take advantage of this medical history.

Keywords: Ailment, Chemist shops, Hospitals, Medical history, Medicine, Medical Stores.

I. INTRODUCTION

Medical History of a person contains all the information about the person's medical treatment reports. It contains all the information about the person's each visit to a doctor or any medical registered practitioner or even his/her visit to a medical shop/chemist shop. Today when a person visits a doctor, the doctor asks a person about his past medical history by filling a questionnaire. In this questionnaire a person fills out all the details asked in the questionnaire but he/she sometimes are not able to recall all of their medical history and that too in complete details. Also it may happen that questionnaire may not be able to fully get the information about the person's medical history [1]. But generally what happens is that a particular doctor tries to know about his/her field or disease information in the past history for a person. Generally, what happens too

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in India is that doctors just ask verbally about the past medical history of a person and the concerned person cannot speak out the full details.

Secondly it also depends too much on the education of the person like if a person is well educated he/she may tell their history but if a person is illiterate then it is very difficult to get all the details about his past medical history or that person accompanies a knowledgeable person so that he/she can share the medical history of that concerned person. So, there arises a need to maintain the medical history of a person so that the in the future if any doctor want to check that patient he may look into his past medical history and to maintain such medical history there should be a nationalized online portal on which that medical history can be accessed by any registered doctor for the reference [2]. This online work of filling the details about the medical treatment, medicine or any of such related task should be done by the doctors, hospitals, chemist of the chemist shop or the medical stores. Sometimes for the STD related diseases people sometimes feel shy to share their problem with the doctor but providing information about that is necessary so if such an online portal is available then any doctor will easily understand about the past history of a person without asking about his/her diseases and carry on asking about his/her current problem.

Sometimes for the treatment of a person in a family of people, there is need to know about the medical history of the other family members of the family so that proper treatment can be done but the person concerned cannot tell about the other family members details [3]. This type of knowing the medical history of other family members is required for the treatment of chronic diseases that are particularly related to a family problem due to their blood relation and genes problem. Like if a family has disease related to eyes which is going on from the past generations but the current generation is not aware about that then the there is need to consult the past medical history of their previous generations. For the insurance companies which deal in the medical insurance of a person they need to know about the medical history of a person so they carry out the tests which may not reveal the actual medical history of a person and sometimes person carry out bogus medical insurance of a person which incurs a huge loss to the insurance company [4]. So there is need of such a medical history of a person which is very much authenticated and which cannot be tampered with by a person going for the medical insurance.

Private hospitals charge a hefty amount for the consultation and for the treatment of a patient which cannot even be afford by a common person belonging to the lower or middle class so when there will be an online portal that may put a bar on the fee charged and for the treatment of a particular disease or for the test conducted for that disease then it will help every patient to save his/her hard earned money and that too will put a check on the corruption done by the hospitals [5]. Also the chemist shops possess medicine with different prices for the same medicine but when there will be an online portal that contains all the information about the medicine with price and the genuineness of the medicine. So, there is a need for an online portal which can carry all the above features and provide a multipurpose function.

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II. LITERATURE REVIEW

J. R. Hampton, M. J. G. Harrison, J. R. A. Mitchell, J. S. Prichard, Carol Seymour, in their research they recorded the medical history, laboratory test reports of medical outpatients. They then compared it with the management record about the patient two months' back when the patient firstly visited for the examination [6]. They recorded it for the 66 out of the 80 patients. Then they found this was useful in physical examination of the seven patients and for the laboratory examination this was useful for further seven patients. For one in the six patients the examiner was not able to diagnose after examining the history and after examining the laboratory investigations the examiner was able to disease. Thus medical history of a person is useful and further the current research paper mentions the technique for maintaining the full history of the child or person since his/her childhood that will certainly help out and more than that there are lot other features that will help the government and the tax authorities to make policies regarding the same.

Jonathan R. Nichol; Joshua H. Sundjaja; Grant Nelson in their research paper discuss about the importance of the medical history of a person. They studied that medical history tells about the chronic disease of a person so that proper treatment of a person can be carried out. It tells about acute diseases of the person which will direct the treatment for a person. it tells about the current health condition of a person and it also help to know the family medical history which really helps to provide better treatment to a person.

III. METHODOLOGY

Since the birth of a child in a hospital an ID should be generated on an online portal available throughout the country. For this ID a profile of the child should be created which will contain all the details about the child like the time and date of birth of the child, father and mother details, present address of the parents/guardian of the child, mobile number of the parents, details of the parents with their occupation. This ID creation should be given to the authorized hospitals or practitioners so that doctors/nurses or any such medical organization operating on such cases of delivery should be authorized by the GOI[7]. This ID will be the reference ID for further life period of the child till the death of the child. All the Aadhar card(UID) details should be taken from this reference ID. During the childhood period the child needs vaccinations. So, all the vaccination details should also be filled on the online portal and also there will be full information on the portal for the vaccinations required for a child[8]. All these vaccinations should also be made available only on authorized medical centers/hospitals which can access the ID through their portal. Each medical Centre/hospital should also mark their registered number allotted by the government on the medical history of the child/person. The prescribed medicine details can be accessed from the date of the prescription. Now as the child grows he/she needs some medical treatment, then all these medical treatment reports/test reports/medicine details should also be filled on the online

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portal by opening the same ID. Any prescription slip required to visit a doctor should also be generated from this portal.
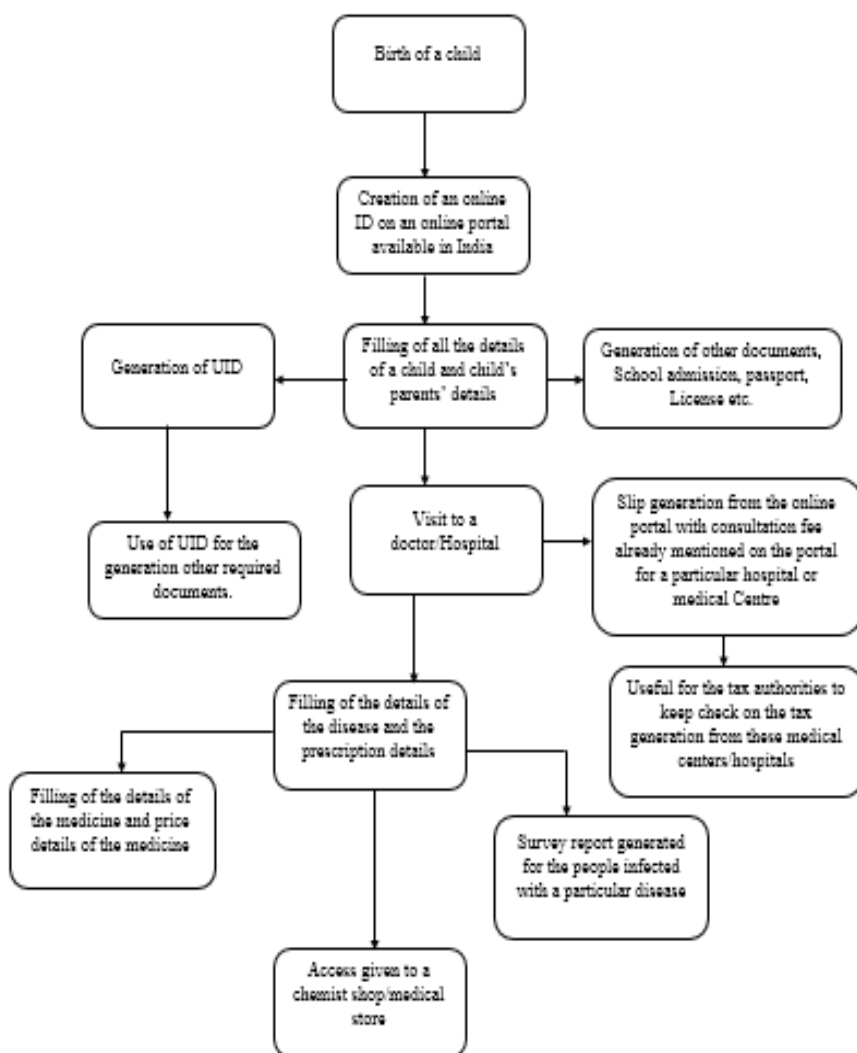

Fig. 1: Flow diagram for the implementation of the medical history.

IV. RESULTS & DISCUSSION

The reference ID will be generated/accessed by only the registered medical centers/stores/hospitals/chemist shops because each of them will login into their account firstly to access a person's ID. So, it will help the government in maintaining the data of the genuine registered medical centers because each of the medical store/center/hospital has to register themselves to the government for their login ID. Secondly the information access should be limited

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as per the need like for the purchase of medicine a chemist can access the only the prescribed medicine details and create the list of medicine sold to the person and the amount of the medicine sold. For the doctors the entire medical history of the person can be made available. On request if required in certain cases the medicine details can be accessed. So, it will also help to maintain a data for the doctor consult because a doctor will login from the login ID of the hospital whether private or the government and further the doctor will login from his registered medical practice ID. So, it will also help in two ways to prove genuineness in the medical practice of the doctors because only those doctors will be able to access who have authorized medical practice ID or certificate authorized by the government and same for the authorization of the hospital. It will also help to authorize only those hospitals which are perfect in the delivery of a child as the whole process of the generation of an ID will start from that hospital/ medical Centre.

As the history of the doctor will also be maintained so a doctor can be consulted or a doctor can be held responsible for the complication of the disease or in any of the case. UID of a person/child should be created from this medical history of a person after login into the reference ID. Citizenship of the person can be proved from this online portal like from when and how long a person has been residing in this country. All the medical reports/tests will be available on this online portal. Insurance of a person can be done on the basis of this medical history of a person. As the chemist will fill out all the details of the medicine on the online portal along with the price list. This will help to control the price of the medicine sold and also the registered medicines only will be sold because on the online portal only the authorized medicines can be listed and thus it will check the genuineness of the medicine. Further similar salt medicines can also be suggested on the online portal if a particular medicine is not available in the chemist shop/medical store.

As the prescribed medicine details can be accessed from the online portal by just entering the date of the prescription so there will be no need to carry the prescription slip. It will help to keep a check on the consultation fee of the hospitals especially private hospitals which in turn will help the income tax authorities to estimate or have an exact idea about the income of the medical stores/hospitals and thus government can generate guidelines for the price control. Cashless cards can also be issued through this portal and payment can be made cashless on this portal. In turn it will help to generate a survey for the average medical expenditure of a person.

V. CONCLUSION

This online portal will help the government to have a better control over the medical field and the better policies for the people can be made as this data of online portal can used for the creation of policies for a particular disease among the public of the country and persons affected due to a particular disease can also be accessed. It will help the doctors to prescribe in a better way based on the previous medical history of a person. This medical history of a person will help him to easily get an insurance better for him or in turn it will help the insurance companies to generate a

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genuine medical insurance for a person as no person will be able to hide his medical history. The government can also help people to aware them about their safety procedures in case of viral diseases. All this medical history will also be available to a person.

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