**MOVIE TICKETING SYSTEM TOKEN**

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**ISSUES ADDRESSED –**

1. **No proper financing platform**: The cinema being a intangible idea at the time of conception, it is very difficult for the aspiring makers to finance necessary capital from formal institutions. This has led to wastage of talent that exist at grass root level but has gone unearthed.
2. **Movie production has never been an investment venture for small scale investors**: Cinema in itself is a big venture involving a lot of capital investment, has moved away from the investment scope of the general public, who other wise are interested in such investment avenues
3. **No transparency in money flow in movie making process** : Film financing is considered one such grey area with lot of scope for money laundering given the inherent opacity in the entire money flow.

**ABSTRACT –**

The platform is based on the public Ethereum blockchain network, where film investment tokens represented as tickets, may be purchased with MTST, a platform-based ERC20 token. This is a blockchain-based end-to-end common platform for both investors who are interested in movie production and for aspiring budding directors/artists. The idea further enhances its scope by creation of secondary market with in the scope of the application, where investor with ticket can sell it at a premium based on the popularity garnered by the movie during production. The block chain technology gives the necessary transparency by adding a trust layer to the platform. Finally when the movie as a product is ready, can be monetized and the investors be compensated based on the proportional number of tokens each investor possess.

**ERC20 symbol and reasoning -**

**Symbol** – MTST.

**Reason** – It is an acronym of idea also it is easy to remember our token this way in a brief manner.

**The special functions besides the standard required functions of ERC20 are –**

* **Primary purchase for the tickets** – function transferTicket(address buyer)
* **Secondary purchase for the tickets –**function secondaryTransferTicket(address buyer, uint256 saleTicketId)
* **Get ticket actual price** – function getTicketPrice() public view returns (uint256)
* **Get current ticketId** - function ticketCounts() public view returns (uint256)
* **Get ticket details -** function getTicketDetails (uint256 ticketId)
* **Get all tickets available for sale -** function getTicketsForSale() public view returns (uint256[] memory)
* **Get all tickets owned by a customer -** function getTicketsOfCustomer(address customer)
* **Get selling price for the ticket -** function getSellingPrice(uint256 ticketId) public view returns (uint256)

\***\***\***Note** – We will be adding some more functions during the course of developing ERC20 token \***\*\***