جامعة المنيا
كلية الفنون الجميلة
قسم الديكور
شعبة الفنون التعبيرية

رؤية تشكيلية مبتكرة لعروض مسرح الطفل
باستخدام تكنولوجيا النسيج الذكي
(دراسة تطبيقية)

Innovative vision for children theater
Using smart fabric technology
(applied study)

بحث مقدم لنيل درجة دكتوراه الفلسفة
في الفنون الجميلة - تخصص ديكور
شعبة الفنون التعبيرية

مقدم من الباحثة

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SUMMARY

Innovative vision for Children Theater using smart fabric technology (applied study)

Study has five chapters

Chapter I, entitled

(Child theater and new technology)

Includes child's world definition and children's theater definition, objectives, beginnings and its history at global, Arab and local level. It also includes most important children's theater pioneers in the twentieth century and international organizations specialized in the field of children's theater and its role in spread and support it all over the world; the educational and psychological role of the children's theater, mental and emotional growth for children at this stage; theater artistic taste and its relationship to children creative behavior; characteristics for theatrical provided to children and selection of theatrical texts according to scientific, educational standards. Children theatrical plays forms like Ballet, ice skating, educational theater and puppet shows, open theater, children opera, pantomime and presentations 3D shows, and virtual reality shows.

Chapter II, entitled

(Smart textile technology and its development)

Includes intelligent technology concept and its development, technological intelligence concept, smart textile types, generation and usage un medical, sports and military areas, technological development in smart textile industry, smart textiles specification, fiber filaments used in smart textile industry, conductive ink, fibers and threads and its usage in smart textile industry and nanotechnology and wireless networks its employment in smart textiles.

Chapter III, entitled

(Smart textiles techniques and its applications)

It includes smart textile different usage, solar-powered textile, color changeable textile, by chromolonic inks or by heat, transparent and electronic uniforms, anti-dirty and ignition textile, smart textile multiple uses (medical, military, sports, and interior design purposes), smart clothes suit various environmental conditions (astronauts, divers and motorcyclists, and mountain climbers clothes), and design attempts for some companies (e.g. Circuit, Phiips Royal electronics), and some designers (e.g. Hussain-Chalayan, Anouk Wipprecht, Vega Zaishi Wang, experiment)

Chapter IV, entitled

Innovative vision using Smart textile technology applied on children's theater plays.

It has a creative vision to employ smart textile various types, which are used in creation to produce color, kinetic and optical changes in the theatrical landscape of backgrounds and embodies, and using smart textile in tricks and effects and open theatrical plays exposed theatrical clothes, make color, mechanical and optical changes in dresses, as well as using of smart textiles in masks, wigs, headwear, and theatre accessories.

Chapter V entitled

(Smart fabric technology applications on Children theatrical play)

Through this chapter smart technology applied on one of children theatre plays, Prophet Moses story was chosen, it is an educational and religious work address child's mind and emotion, and consolidate many values, this story chosen because of events reality, Quran verses describe the events and miracles mentioned, also because of broad imagination of its scenes: sea splitting, stick turning to snake, Moses hand whiter without malady, all have imagination and miracles, which possibility to achieve on theatre stage is a major challenge, therefore researcher put ideas and drawing sketches to illustrate idea of implementation of what came in the scenes, fashion, and accessories using smart textile technology including movement, and color and light changes.