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<p>(51) International classification :A61B0003120000, A61B0003140000, A61B0003100000, A61B0003150000, A61B0003000000</p> <p>(86) International Application No Filing Date :PCT// :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p>	<p>(71)Name of Applicant : 1)G. Narayanamma Institute of Technology and Science Address of Applicant :C96X+MF4, Shaikpet Rd, Ambedkar Nagar, Shaikpet, Hyderabad, Telangana 50010 Hyderabad ----- Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. M. Seetha Address of Applicant :Professor & Head, Computer Science Engineering, G. Narayanamma Institute of Technology and Science -500104 Hyderabad ----- 2)Dr. N. Kalyani Address of Applicant :Professor, Computer Science Engineering, G. Narayanamma Institute of Technology and Science -500104 Hyderabad ----- 3)Mrs. Y. Sravani Devi Address of Applicant :Assistant Professor, Computer Science Engineering, G. Narayanamma Institute of Technology and Science - 500104 Hyderabad ----- 4)Mrs. V. Divya Raj Address of Applicant :Assistant Professor, Computer Science Engineering, G. Narayanamma Institute of Technology and Science - 500104 Hyderabad ----- 5)Ms. ShubhasriVanam Address of Applicant :Student, G. Narayanamma Institute of Technology and Science -500104 Hyderabad ----- 6)Ms. Murakonda Sri Venkata Lakshmi Sasirekha Address of Applicant :Student, G. Narayanamma Institute of Technology and Science -500104 Hyderabad ----- 7)Ms. JellellaRachana Address of Applicant :Student, G. Narayanamma, Institute of Technology and Science -500104 Hyderabad ----- 8)Ms. Yada Vaishnavi Address of Applicant :Student, G. Narayanamma Institute of Technology and Science -500104 Hyderabad ----- 9)Ms. Bashetty Shreya Address of Applicant :Student, G. Narayanamma Institute of Technology and Science -500104 Hyderabad -----</p>
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(57) Abstract :
An universally adaptable device that is flexible with all of the android smart phones at a low cost, easy to maintain and flexible device that captures better peripheral retinal images is the primary objective of this cost-effective portable retinal imaging device that is based on a smart phone and can be purchased without breaking the bank. This apparatus is equipped with a Smartphone Fitting Slot, making it simple to connect any kind of Android-based smart phone to it. This gadget makes use of the built-in functions of a Smartphone, such as the camera and flash light, in order to photograph or record images of the fundus and peripheral retina. In spite of the fact that the picture quality of each Smartphone is unique, it is recommended to make use of a smart phone with a high pixel rate since it offers a larger viewing area. It assists professionals in monitoring patients, detecting conditions such as diabetes and glaucoma, and providing advice to patients. This apparatus is a screening tool for the retina and fundus that is more cost-effective than others.

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