



# Review paper on Comparative Study in Advancements in Photoshop

<sup>1</sup> Mrs. Doke Pradnya Satish  
Assistant Professor

<sup>2</sup> Mr. Doke Satish Ankush  
Assistant Professor

Department of Animation Science

<sup>1</sup>Yashavantrao Chavan Institute of Science, Satara (Autonomous), Satara, India

*Abstract :* As we all know about Photoshop but in this paper we are discussing about comparative study of advancements in Photoshop and for that we are also discussing about all versions of Photoshop. By studying this, we will know about importance of advancements in Photoshop. The Photoshop software is published and developed by Adobe company. There are some major and minor versions of Photoshop and their detailed description mentioned in remaining paper.

*Keywords :* Versions of Photoshop, Mac, Windows.

## I. INTRODUCTION

Photoshop is raster based software. Raster means which depends upon pixels. At the starting the Photoshop was build for editing photos. You can use this software only for editing because it is editing software not a designing software. Adobe Photoshop is widely used software. Photoshop offers users the ability to create, enhance or otherwise edit images, artwork and illustrations. You can know about the workspace of Photoshop and working of its tools. There are many versions of Photoshop. It is critical tool for designers, web developers, graphic artists, photographers and creative professionals. Adobe Photoshop is likely one of the greatest photo manipulation tool of all time. The uses for Photoshop are endless, like you can use it for image retouching, color correction, photo composition, illustration, logo and symbol creation, 3D simulation, mock-up and template creation and so on. It is one of the most powerful image editor, so you can do almost everything in it, from cropping a picture for your facebook profile to composing and illustrating a whole painting. Adobe Photoshop works with different file formats.



## COMPARATIVE STUDY:

Sr. No.	content	version	Year of establishment
1.	<p>1.First version of Photoshop. 2.Created by Thomas knoll and John knoll. 3.Fully functioning program and not for distribution. 4. Codename: 'Bond'.</p>	Adobe Photoshop 0.63	10/2/1988
2.	<p>1.Second version of Photoshop. 2.Created by Thomas and his brother. 3.First time image editing software was made available to the public but it was not for distribution. 4.Software was distributed as Barneyscan XP. 5. Only ran on a Macintosh computer. 6.Codename: 'Seurat'.</p>	Photoshop 0.87	3/4/1989
3.	<p>1.Launched under the Adobe brand name for the first time. 2.Software was available to the public as a standalone product.</p>	Adobe photoshop 1.0	1990
4.	<p>1.Software released in June 1991 along with a plethora of new features. 2.New features in adobe Photshop 2.0 was the paths feature. 3.This allowed users of the application to trim around an object and then save that'path' for use in future. 4.It was added by Mark Hamburg. 5.Second feature is support for CMYK and EPS rasterization. 6.Stability was also improved in this software.</p>	Adobe Photoshop 2.0	1991
5.	<p>1.Officially released in November 1992. 2.First examples of cross-platform software (i.e.released for Windows and Mac) Mark Hamburg worked on software and offered to make house calls to those windows users who had been affected by the memory bug prior before releasing the 2.5.1 patch. 3. Version brought a host of new features to the application too. 4. This was the first version of Adobe Photoshop with 16 bit per channel support and filters were given their own menu on the toolbar. 5. Code name for Mac version- 'Marlin' Codename for windows- 'Brimstone' Software also available as 'Deluxe'edition on CD-ROM.</p>	Adobe Photoshop 2.5	1993
6.	<p>1.Released in September and November 1994 for Mac and Windows. 2. Version 3.0 brought most important Photoshop features to the software(i.e.Layers). 3.Layers features allow designers to use Number of layers within each project. 4.Layers is a historic feature.It was also first version of Photoshop in which the windows version was on- par with the Mac version of the application. 5.It was the first version of Photoshop to feature tabbed palettes. Codename- 'Tiger Mountain'.</p>	Adobe Photoshop 3.0	1995

7.	<p>1.Released in November 1996.</p> <p>2.It was first version of program released for Mac and Windows.</p> <p>3.It brought two notable features; Actions and Adjustment layers.</p> <p>4.Actions was nifty feature that,for the first time,allowed designers to map multiple commands and effects to one single command.This allowed users to save a lot of time when working on a large group of images.</p> <p>5.Adjustment layers was a somewhat similar feature that allowed designers to apply an effect to a group of layers.</p> <p>This save a huge amount of time. 6.Another big change in Photoshop</p> <p>4.0 was the unification of the UI with Adobe’s other products.(e.g Dreamweaver etc).</p> <p>7.This ensured that the Photoshop learning-curve was less steep for exiting Adobe software users.</p> <p>8. Adobe has maintained UI consistency in all versions of Photoshop since version 4.0. Codename- ‘Big Electric Cat’.</p>	Adobe Photoshop 4.0	1996
8.	<p>1. Released in May 1998 for Mac and Windows.</p> <p>2.It came with a number of new features including-Editable type, Multiple undo and Color management.</p> <p>3.In previous versions of Photoshop, it was possible to add type but it would be rasterized and this made type blurry and that’s why it wasn’t suitable for headlines.</p> <p>4.This version solved this problem with editable type. This was a giant leap forward for Photoshop which allowed type to be edited by designers an unlimited number of times.</p> <p>5.Multiple undo’s-it allowed designers to undo their previous edits multiple times using the newly-appointed history palette. It is useful feature use for complex designs, it was a fundamental addition to the application.</p> <p>6.color management-This allowed designer to manage color profiles within Photoshop rather than relying on often low-quality third-party software.</p> <p>7.The magnetic lasso tool made its first appearance in Photoshop 5.0. This made selecting an area of an image to edit a much simpler and intuitive process. Codename- ‘Strange Cargo’.</p>	Adobe Photoshop 5.0	1998
9.	<p>1. Released in February 1999 for Mac and Windows.</p> <p>2.Adobe added a massive time-saving feature in version 5.5; “save for web”.This allowed designers to save their images using an in-built preset which optimized images for use on the web.</p> <p>3.It allowed designers greater control over the quality of their images in smaller file sizes.</p> <p>Adobe Photoshop 5.5 was sold bundled with image-ready; a piece of software created by Adobe to allow designers to edit web graphics with ease.</p> <p>4.Adobe Photoshop 5.5 was the first version of Photoshop to feature the extract filter, which allowed designers to easily remove an image from its background.</p> <p>5.Codename- ‘Strange Cargo’.</p>	Adobe Photoshop 5.5	1999

10.	<p>1.Released in September 2000.</p> <p>2.This included a number of new features including vector shapes and the “Liquify” filter.</p> <p>3.Vector shapes gave users the ability to simply draw vector shapes and create them into bitmap images.</p> <p>4.Custom shapes pallete gave users the ability to use vector shapes to draw, rather than using lines.</p> <p>5.Text was also updated.</p> <p>6.Photoshop 6.0 also saw the introduction of multilayer functions and blending options within layers.</p> <p>7.This gave users a lot more control and flexibility.</p> <p>8.The crop and marquee tool were also separated in this version.</p> <p>9.It also featured an updated UI.</p> <p>10.Codename- ‘Venus in furs’.</p>	Adobe Photoshop 6.0	2000
11.	<p>1. Adding a new feature to each of Adobe Photoshop's releases made the application more difficult and complicated.</p> <p>2.To alleviate this problem, Adobe introduced Adobe Photoshop Elements in 2001.</p> <p>3.Adobe Photoshop Element is a completely redesigned software.</p> <p>4.It was redesigned in a new way to resize and edit a photo.</p> <p>5.Some people today use the Adobe Photoshop element for less editing.</p>	Adobe Photoshop Elements	2001
12.	<p>1. Adobe Photoshop 7.0 was introduced in 2002.</p> <p>2.It was released after the version of Adobe Photoshop 7.0 Mac and Windows.</p> <p>3.The healing brush tool was introduced in Adobe Photoshop 7.0. 4.Also upgrade the text tool in this version. So we can easily change the text size.</p> <p>4.Also in this version you can easily find designer's image.</p> <p>5. In this version, patch tool has been added.</p> <p>6.Codename- ‘Liquid Sky’.</p>	Adobe Photoshop 7.0	2002
13.	<p>1. Adobe Photoshop CS released in October 2003.Slice tool, as well as new filters were added to Adobe Photoshop CS.</p> <p>2. Smart guide has also been included in Adobe Photoshop CS.</p> <p>3. The difference is more than 2 gb size file now we can edit. In Photoshop CS, we can now work up to 300,000 pixels.</p> <p>4. The file browser in Photoshop CS has been greatly improved.</p> <p>5. Group is another addition CS to combine multiple layers.</p> <p>6.Codename- ‘Dark Matter’.</p>	Adobe Photoshop CS	2003
14.	<p>1. Released in April 2005.</p> <p>2.Many new features and tools were introduced in Photoshop CS2.</p> <p>3.They also introduced the ability to select multiple layers.</p> <p>4. The vanishing point tool was also introduced in CS2,which allowed users to edit their photos in perspective.</p> <p>5.A spot healing brush,image warp option and lens correction filter was also added along with sharpen</p>	Adobe Photoshop CS2	2005

	<p>and smart object.</p> <p>6. On Mac, the application was given better memory management the newly released 64 bit power pc G5 which ran Mac OSX 10.4.</p> <p>7.Codename-'Space Monkey'.</p>		
15.	<p>1. Released in April 2007.</p> <p>2. A new feature was included in Photoshop CS3 was the graphic optimization for mobile device.</p> <p>3. Adobe Photoshop CS3 also saw the introduction of the clone source palette .</p> <p>4.This allowed users to easily access a palette including various options with the clone stamp tool.</p> <p>5.Imageready was also completely removed from this version of Photoshop.</p> <p>6.Codename- ' Red Pill'.</p>	Adobe Photoshop CS3	2007
16.	<p>1. Released in October 2008.</p> <p>2. In this version new feature was improvement that were made to panning and zooming.</p> <p>3. In previous, there was few seconds lag time whenever Zooming and panning in CS4, it was almost instant.</p> <p>4. There were also huge changes to the UI in CS4 and overall it was lot more simplified.</p> <p>New feature in CS4 to including a masks and adjustments panel, content- aware scaling, Auto blending of images and Auto alignment of layers.</p> <p>5.Codename- 'Stonehenge'.</p>	Adobe Photoshop CS4	2008
17.	<p>1. Released in April 2010.</p> <p>2. The feature are added in CS5 is one noteworthy feature was content aware fill; this allowed the application to cleverly fill in the area taking the content of the image into account.</p> <p>3. The puppet warp tool, Mixer brush and bristle tips were also added in CS5.</p> <p>4. A couple of new blend moves were added in CS5 along with GPU HUD control for the color picker, brush resize and color sampling tools.</p> <p>5.Codename- 'White Rabbit'.</p>	Adobe Photoshop CS5	2010
18.	<p>1. Released in May 2012.</p> <p>2. In this version a huge number of changes to Photoshop software.</p> <p>3. All of the icons within the application were redesigned and Adobe also added an optional dark UI.</p> <p>4. The most useful feature to be added to CS6 was Automatic background saving.</p> <p>5. In this version the users never lost their work even if the program happened to crash.</p> <p>6. New tools and features were added in CS6 a content-aware patch, tilt shift, skin tone and face detection an adaptive wide angle filter, paragraph and character style and snap to pixel for vector tools and transforms.</p> <p>7. CS6 included camera RAW 7 compatibility and better support for videos.</p> <p>8. It is also shipped with the popular oil paint filter and 3D UI was completely overhauled to make it easier to use.</p> <p>9.Codename- 'Superstition'.</p>	Adobe Photoshop CS6	2012

19.	<p>1. Released in June 2013.</p> <p>2. Adobe Photoshop CC introduced a number of features including camera shake reduction which gave users the ability to quickly and easily restore sharpness on images with motion blur.</p> <p>3. Also the addition of the smart sharpen feature intelligent upsampling was added to allow users to enlarge low resolution images for print whilst maintaining much of their quality.</p> <p>4. Photoshop CC also brought support for camera RAWs. Codename- 'Lucky'.</p>	Adobe Photoshop CC	2013
-----	---	--------------------	------

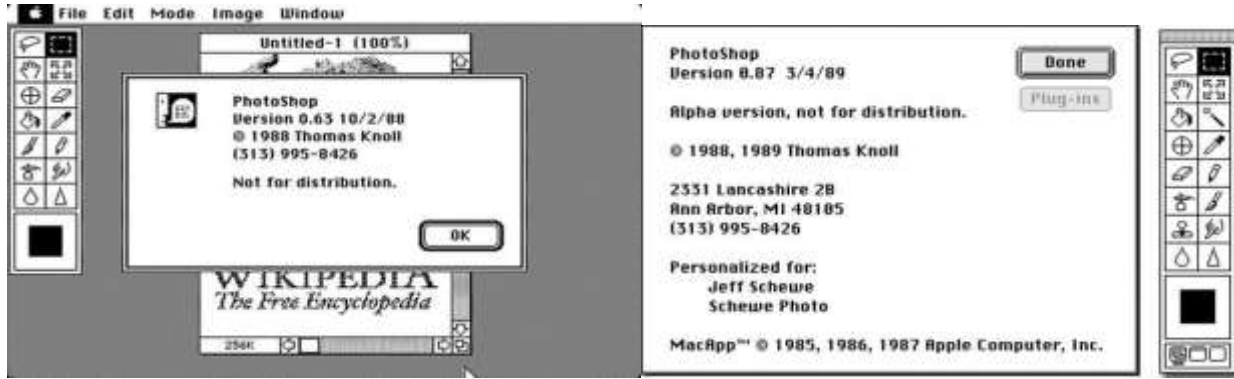
THE FOUNDING FATHERS OF PHOTOSHOP:



John Knoll(left) and Thomas Knoll(right)

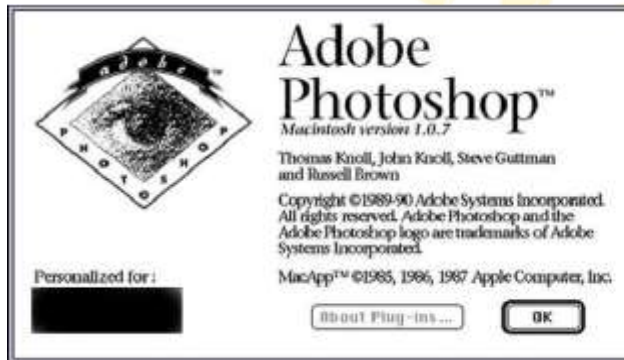
International Research Journal  
**IJNRD**  
 Research Through Innovation

**PHOTOSHOP SOFTWARES:**

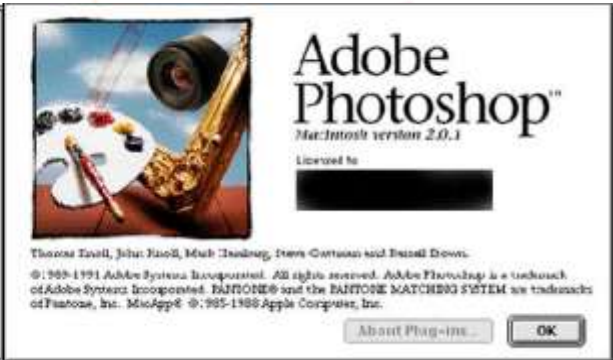


**Adobe Photoshop 0.63**

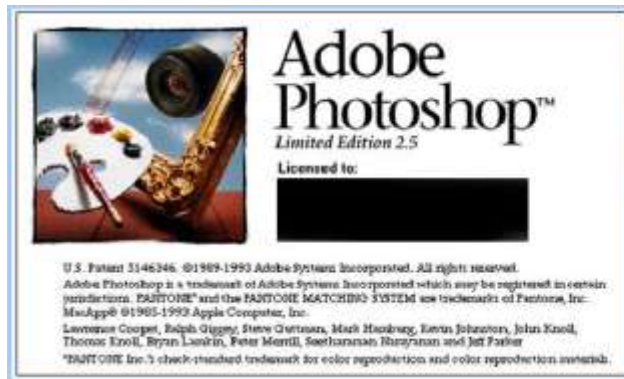
**Adobe Photoshop 0.87**



**Adobe Photoshop 1.0**



**Adobe Photoshop 2.0**

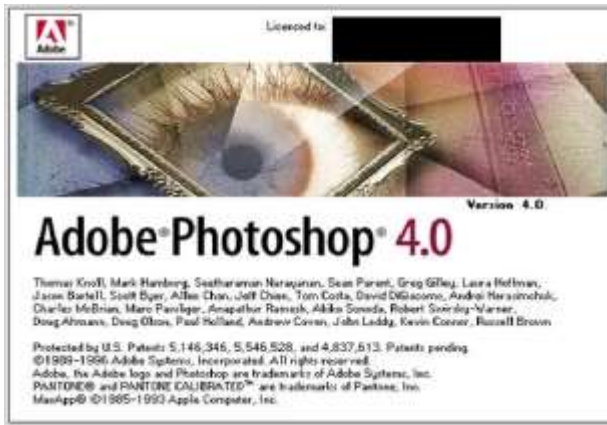


**Adobe Photoshop 2.5**

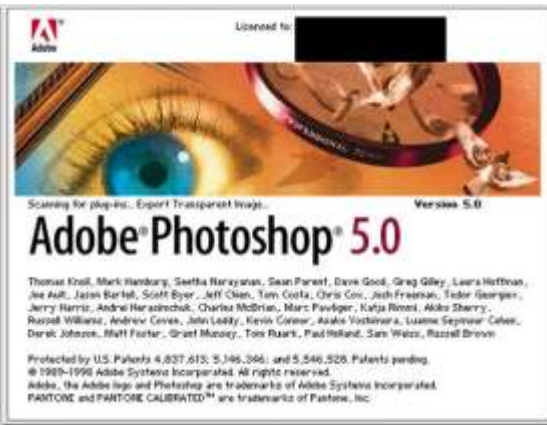


**Adobe Photoshop 3.0**

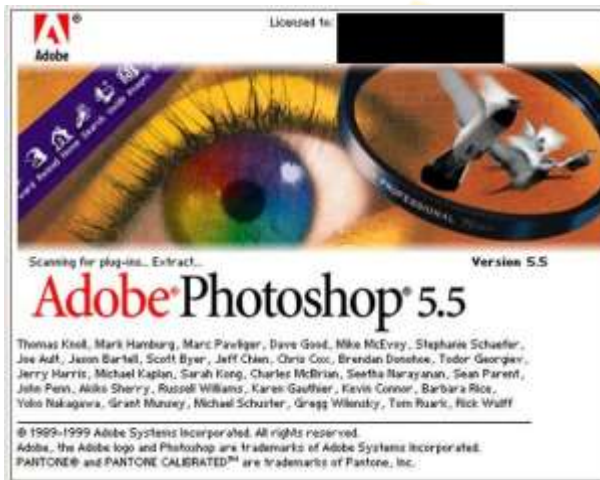
Research Through Innovation



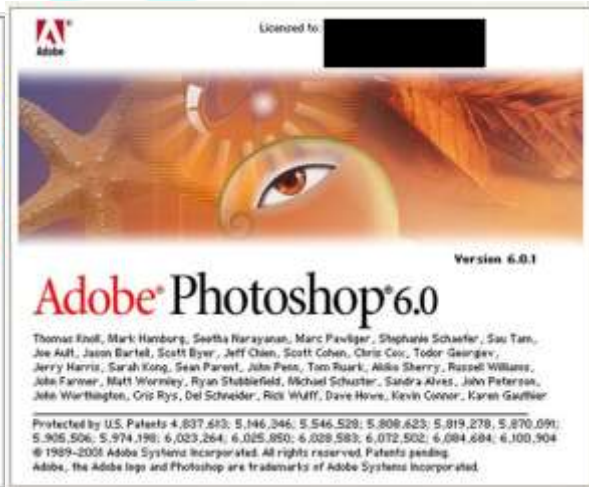
Adobe Photoshop 4.0



Adobe Photoshop 5.0



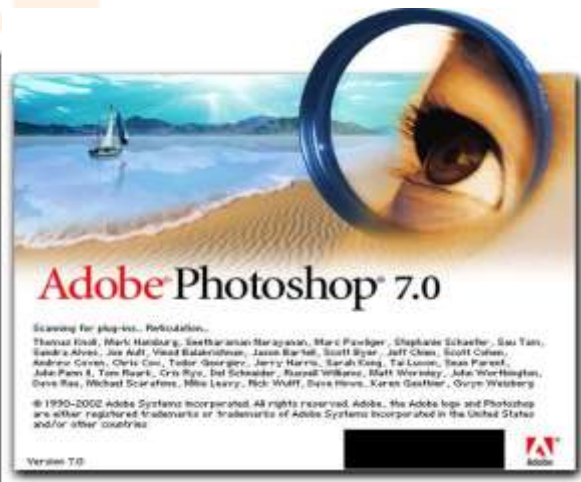
Adobe Photoshop 5.5



Adobe Photoshop 6.0



Adobe Photoshop Elements



Adobe Photoshop 7.0





Adobe Photoshop CS



Adobe Photoshop CS2



Adobe Photoshop CS3



Adobe Photoshop CS4



Adobe Photoshop CS5



Adobe Photoshop CS6



## Adobe Photoshop CC

### SOURCE:

<https://www.fastprint.co.uk/blog/the-evolution-of-photoshop-25-years-in-the-making.html>.

