

Received: 17/06/2021

Accepted: 12/12/2021

Published: 24/04/2022

## **Newsroom and Information and Communication Sciences Technology, descriptive study**

غرف الأخبار وتكنولوجيات الاتصال. دراسة وصفية

**Mesbah sofiane**<sup>1</sup>

<sup>1</sup> assistant professor (algeria), mesbahezaher@hotmail.fr

### **Abstract:**

Newsrooms are familiar with developments as a result of the media fusion that has made media work overlapping. The journalist has moved the event directly with the possibility of instant production and broadcast it on the news sites of major online newspapers, like die welt. The results were that the news editorial rooms experienced changes as a result of technological integration, so that journalistic tasks became specialized, produced for different platforms, especially smartphones. The Algerian television newsroom was influenced by technological shifts by the creation of a web site to broadcast diverse news on social media platforms and videos with the potential for use in electronic boards and smartphones.

**Keywords: Smart Newsrooms, Smartphone, Digital Media, Integrated Newsrooms**

الملخص:

تعرف غرف الأخبار تطورات نتيجة ظاهرة الاندماج الإعلامي التي جعلت العمل الإعلامي متداخل إذ أصبح الصحفي ينقل الحدث مباشرة مع إمكانية المنتجة الفورية وبثها، علي مواقع الأخبار لصحف الإلكترونية العالمية كدي فيلت حيث أدخل الموبايل كأداة عمل إعلامي مؤثرة في تحرير الأنباء الإلكترونية حيث أدى استعماله إلي بث مضامين بشكل مباشر. استخدمنا في الدراسة المنهج الوصفي التحليلي، وكانت النتائج كالتالي أن غرف التحرير الإخباري عرفت تغيرات نتيجة الاندماج التكنولوجي، بحيث أصبحت المهام الصحفية متخصصة، تنتج لمنصات مختلفة خاصة الهواتف الذكية وتأثرت غرفة أخبار التلفزيون الجزائري بالتحولات التكنولوجية باستحداث موقع لبث الأخبار المتنوعة علي منصات التواصل الاجتماعي معتمدا علي الأنفوغراف والفيديوغراف مع إمكانية الاستخدام في اللوحات الإلكترونية والهواتف الذكية كما نقترح تطوير آلية العمل في غرفة أخبار التلفزيون الجزائري وتحويلها لغرفة أخبار ذكية مثلما معمول عالميا

الكلمات المفتاحية: غرف الأخبار الذكية، الهواتف الذكية، الوسائط الرقمية  
غرف الأخبار المتكاملة.

**Corresponding author: [Mesbah.sofianeemesbahezaher@hotmail.fr](mailto:Mesbah.sofianeemesbahezaher@hotmail.fr).**

## 1. INTRODUCTION :

The basis of the information industry is the newsrooms that carry out the tasks of programming the production of information, and the method of covering it through to processing, broadcasting and marketing it. It is the black room of every media institution, whether a newspaper, a news agency, a television, so the media institutions have worked to produce

information according to the requirements of the latest innovations in technology.

The process of media production is complex, so that newsrooms are the basic nodes for the production of digital information, in a form of art suited to different platforms, such as social media, video publishing spaces and videos, and there are spaces for opinion sharing, such as patience, comment on events and participation in Facebook and Twitter.

How do newsrooms work?

What is the role of newsrooms?

How has digital inclusion affected the work of newsrooms?

What are the most prominent technological developments in the work of newsrooms in the world ?

The study aims to Highlighting the impact of digital inclusion in producing information in newsrooms Highlighting the role of newsrooms and the method of producing information  
Submit newsroom

The study followed a descriptive and analytical approach that relies on clarification and studying the media phenomenon, with reliance on articles and research on the subject of the study.

### **1.1 Newsroom concept:**

The central place where journalists—reporters, editors, directors and other staff members work to gather news for newspaper, online newspaper, or magazine, radio, television, or cable (Wikipedia.2020)

### **2.1- Stages of newsroom development, Model die welte**

The stages of development that die Welt group room have gone through can be divided (**abed el Fattah2016 p. 90**) . to four stages, each involving step that led to the other, the first phase begins in 2002, where the first newsroom produced more than

Paper Newsroom-Multi, which is between the digital and print versions of the same brand, was created to merge more than one brand with its own objectives and character, or the so-called multi-title newsroom integration Title Newsroom Integration-Multi4. Title Newsroom Integrati

The development stages of the Die Welt Group room can be divided into four stages, each involving steps leading to the other, the first phase begins in 2002, where the first news room produced more than paper Newsroom - Multi, which includes one team to produce both the daily newspaper and the Sunday newspaper, while there was a team of the portal

The second phase began in 2006(Abed el Fattah 2016 p. 91). To Establish an integrative news room that follows the digital strategy first igital FirstD, and works in one team for all means, in the middle of that year pmathiaös D, CEO of Axel Springer, announced the direction of his organization to adopt a priority strategy Digital Products Online First, Die Welt Group begins intensive training courses on trans-platform selections Media Production - Cross for about 200 journalists in its newsroom, which had reached an advanced stage of cooperation between different versions, but did not reach the stage of full integration that the organization was taking steps Pushing towards her.

In November 2006(Abed el Fattah, 2016 91)A compact news room with three brand names has been launched, die Welt, its website, its web tv website and its telephone services, the tabloid Welt Kompakt, the Sunday Newspaper Welt Am Sonntag, the daily Berliner Morgenpost and its electronic portal, with An editorial strategy based on four principles: high-quality news production, newsroom integration and digital product priority, four brands in one room, integration of user-generated content. The room was built on an area of 400 square meters and was divided into five main sections, including localities, politics,

economics, society and sports, and provided content simultaneously.

For all versions, editors of different versions were placed on the same table, with video screens created to follow the work of the room, which includes more than 400 journalists (**Abdel Fattah, .. 2016 p92**)

In 2008, i ezzat éClaudia Thom (**Abed el fatah 2016 p. 93**)Head of Investment Relations, Axel Springer, evolution of die Welt Group distribution figures to the Construction companies operate compact transfer rooms for their customers unlike the decline in distribution figures in the print market, the daily version of the group and the issuance of the tabloid Die Welt Kompakt achieved an increase of 4.2%

Their distribution figures, as the number of visits to the portal increased by 162% to register 18.4 million visits, according to statistics of the first quarter of 2008, which continued in the second quarter of the same year where the average distribution of daily and tabloid versions to more than 280 thousand copies, while the portal achieved 19.4 million visits per month<sup>2</sup>. The third phase of the development of the Group's newsroom began in 2012 with the announcement of a new strategy that is not only based on digital strategy first, but also formulates workflow shaping from online to the print to PrinOnline and not the other way around as it is.

One team works for all platforms, but its main focus is on digital platforms from which production flows to printed platforms where it carries out the production and implementation of the number of editorials<sup>3</sup>. Produced by the departments, the editorial staff of Die Welt and Berliner Morgenpost were announced to be merged with the evening

newspaper Hamburger Abendblatt<sup>4</sup>, but the latter two were sold in July 2013 to Funke Mediengruppe.

## **2.2 The way news is produced in Algerian television newsrooms**

The news in Algerian television is covered by a journalist in the field, and they go to the montage rooms and rely on video from the world news agencies. The boat then integrates the press material by relying on the editor-in-chief's instructions for approval by the producer and then for approval for the broadcast. The material is sent to the exit room for broadcast in the bulletin. The information is posted on Facebook in the form of videos, Graf and on the news site(walid kadri.27.10 2021)

## **2.3 Comparison between Algerian television newsroom and world newsrooms**

The production of news on Algerian television was based on a system called news base, divided into two electronic news industry sections. It represents an internal network for all journalists and news staff working in their accounts, through which they can access the system in which the road paper is prepared for each bulletin and follow up on the progress of the publication.

It's linked to a server, including images from news agencies, uploads and digital archives. The news base system gives users access to news agencies contracted to the institution, such as the Algerian News Agency, AFP and Reuter. The system has been in place since 2006 and has been out of date for a long time because of its many flaws. Most media organizations use i-news Compared to the dewelt system, TV is outdated and not convenient for scientists, given its complexity in terms of news editing and montage, whereas the developments of the times have led to the integration of this

field with what is known as the smart newsroom. (Souhilia herairia 27 oct 2021)

### **3Newsrooms keep pace with the digital reader and move to smartphones**

The stages of development that die Welt group room have gone through can be divided. (Abdul Fattah 2016 p. 90) to four stages, each involving steps that led to the other, the first phase begins in 2002, where the first newsroom produced more than Paper Newsroom-Multi, which is between the digital and print versions of the same brand, was created to merge more than one brand with its own objectives and character, or the so-called multi-title newsroom integration Title Newsroom Integration-Multi4. Title Newsroom Integration-Multi4.

The development stages of the Die Welt Group room can be divided into four stages, each involving steps leading to the other, the first phase begins in 2002, where the first news room produced more than paper Newsroom - Multi, which includes one team to produce both the daily newspaper and the Sunday newspaper, while there was a team of the portal

The second phase began in 2006. (Abdul Fattah 2019 p. 13). To establish an integrative news room that follows the digital strategy first igital FirstD, and works in one team for all means, in the middle of that year pmathiaös D, CEO of Axel Springer, announced the direction of his organization to adopt a priority strategy Digital Products Online First, Die Welt Group begins intensive training courses on trans-platform selections Media Production - Cross for about 200 journalists in its newsroom, which had reached an advanced stage of cooperation between different versions, but did not reach the stage of full integration that the organization was taking steps Pushing towards her.

In November 2006, (**Abdul Fattah 2019 p. 91**) A compact news room with three brand names has been launched, die Welt, its website, its web TVwebsite and its telephone services, the tabloid Welt Kompakt, the Sunday Newspaper Welt Am Sonntag, the daily Berliner Morgenpost and its electronic portal, with the Arab digital revolution accelerates (**Abdel Fattah Fatima Zahra 2015**), and keeping up with new technologies has become a necessity to continue in this field, including Relying on cell phones to write a story, get out of the narrow circle of newsrooms and regular computers, and follow the reader who has become dependent on his phone to keep up with events and media everywhere. Most of the editing rooms still rely on regular computers, while the majority of readers read news on their mobile phones, according to the Network of International Journalists website.

The topic of discussion was the extent to which journalists and editors relied on smartphones to write news stories and publish them on their newspaper's website through mobile devices (without resorting to computer use) (**Abdel Fattah Fatima Zahra 2015.**)

Stacey Marie Ashimel, program editor of buzzfeed news site, said she can do so because her foundation, BuzzFeed, has enabled her employees to use the phone effectively and strongly. Stacey added that what is important is not only that readers enjoy the experience of reading news over phones, but also that newsmakers enjoy the experience of preparing or spreading the news via mobile devices (**Arabic electronic magazine20 15**)

Stacey Marie Ashmeel: It's important for newsmakers to enjoy the experience of making news on mobile deviceshe noted that despite BuzzFeed's efforts to focus on working through the phone, their efforts are still insufficient, as all employees have access to laptops at the time required to distribute phones and



not necessarily be the latest, but only to keep up with those used by readers. Speed is the most important factor in spreading news over phones, according to Trey Brundret, director of a division at Fox Media (**Arabic electronic magazine2015**)

It is preferable to carry the page in fractions of a second to ensure that the user does not exit and close the application, although the rate of load of the page on the phone is seven seconds. He adds that press organizations must set speed as a criterion for success and publishing, similar to the standard of views or visits. He said that 20 percent of searches through Google were done through phones, and the site also adopts the page load speed standard to evaluate websites. (**Arabic electronic magazine2015**)

"Mobile speed is not only the most important factor in the use of technology, nor the speed of uploading the page on your website, but it is also important to have a speed in preparing and editing the news and saying "fast cars require a skilled driver,"

Marie Ashmeel added that the second important factor after speed is the context and you must take advantage of the fact that the phone is in the hands of the user most of the time so that technology enables us to establish a strong relationship and even create intimacy with the user. However, this relationship must be schooled in terms of avoiding sending notices to news stories that are not of interest to the person and have nothing to do with their community or place of residence, otherwise this will become a nuisance to the user Knowing the user or the reader will enable you to deliver engaging content that appeals to him and interests him," he said. Drake Martint, directors of a program at The Phipps Media Foundation, posted videos to refute the idea that the 1980s and 1990s were not interested in news. Arabs (**Abdel Fattah Fatima Zahra 2015**) He said video-based news is one of the most popular content on The Face

website, which is designed for phone users. "Everything the generations of the 1980s and 1990s want is something new," Derbak said.

Smart newsrooms on the principle of intelligence. speed of understanding (**Omar Arquoub 2019 p. 12**) of two basic elements, achievement, which is a combination of: intelligence of the workers inside the newsroom and their skills in dealing with the requirements of work and the use of modern technology and appropriate to accomplish tasks 20 second : Artificial intelligence based on the understanding and delivery of commands in an automated and accurate manner, and this is done through the third main forms: relying on the robot and machine in news production, journalism robot production report on GDP rates, the robot works on collecting and analyzing Huge data and presentation of its results, or to edit a televised news story so that it arranges video clips and accompanies with the appropriate text and sound, which is still rarely used. Until now, technological and smart tools are being used in the algorithmic news production process for the press magazine, such as knowing most topics

Da'al (Trend) on Twitter in a country is ism (i.e. the use of modern software to facilitate and organize automated journalism) (**Omar Arquoub 2019 p. 13**) Journal Automated newsroom work as finding tools to help manage interaction on social networking sites. Today, World Newsrooms is seeking to apply a smart newsroom model that is free from reconfiguring its newsroom structure to allow the use of these journalists. At the same time, however, artificial intelligence cannot be fully relied upon in the work of newsrooms for several obstacles and negatives, some of which can be solved with time, some of which are linked to the limited

Dependence on the machine in journalistic work, and it can be summarized in particular in the use of artificial intelligence and its modern tools that require sweeping changes in the structure and systems of the newsroom, which is It takes time, effort and financial costs to be introduced in newsrooms, and it needs to develop software and tools capable of dealing with the complexities of journalism. A large part of the tools and techniques are not expressed, which is essential in dealing with the issues of the Arab world specifically ..

. The AI is still unable to sense news stories add the human touch and give stories a spirit both in texts and in visual presentation elements, but will remain committed to a particular template, the use of AI tools does not spare the presence of the human journalist it is difficult for the machine to understand the complexities of issues, topics and stories because they are changing by spatial and temporal disappearance events, and require an understanding of the political and global map, and need a logical link and balance in the viewing angles and the general context 28 29 Directing the wrong newsrooms, such as relying on the most interactive issues in the social world that may be a football match while the issues of Syria and Yemen are absent.

#### **4 stages of the process of processing information and broadcasting it in smart TV newsrooms**

production process are considered the backbone of the newsroom, whether traditional or smart, and it has not changed from the previous, but the method of work and skills required in each stage differed and evolved influenced by modern communication methods and tools, and the current study has tried to divide these stages in the smart tv newsrooms and address each stage in detail to answer the first research question, which is as (Omar Arquoub 2019 p. 14)

Newsgath newsrooms previously accredited field correspondents and news agencies as their source of news, but after the digital and social development, Newsrooms to accept websites as a major source and source of news 30, and became the form of sources and news resources in smart newsrooms as shown in the form Correspondents..... News gathering.... Agencies..... Websites. Social media

#### **4.1 The evolution of newsrooms in news agencies and the world**

Reporters usually collect news from the areas where they are from different sources of journalism, but the modern means of communication facilitated their work and diversified their news resources, so they needed to follow social networking sites.

The networking sites of the newsroom's correspondents department have been allowed to keep up with the developments and details of the events in the whereabouts of their correspondents, which has facilitated the process of supervising reporters, supervising the construction of the story and filling its gaps better on the other hand, the field press coverage has become less crowded with reporters and press delegates, the media is waiting for what the officials in the social media, or what the journalists at a press conference will tweet - on their accounts in the place, as the media is waiting for what the officials in the social media, or what the journalists at a press conference will tweet - on their accounts in the place, as the media is waiting for what the officials in the social media, or what the journalists at a press conference will tweet on their accounts in the place, as the media is waiting for what the officials in the social media, or what the journalists at a press conference will tweet about their accounts on the sites of the

place, as well as the media. Dozens of international media outlets can access press materials for a particular event at the same time without the coverage of a single journalist or media organization.

#### **4.2 Evolution of newsrooms in news agencies and the world:**

The Smart Tv Newsroom relies on subscriptions with international news agencies documented in several languages and from several countries so that they put every news they publish on the iNews-news I panel, which can be accessed for everything the agencies publish, and the task of the newsroom remains to choose what is appropriate for this news to follow and address. Publishing it in accordance with its editorial policy and interests websites The most important open source of information

It includes official and partisan global media sites, blogs, knowledge encyclopediasites, private companies and institutions, search centers and databases, and other sites that provide information and facilitate journalists' knowledge of the angles of the issues at hand, or provide them with a set of documents and data for analysis(Omar Arquoub 2019 p. 15)

#### **4.3 Social media: The real change in the newsroom's work**

in the last 10 years is the reliance on social media sites and their tools to monitor and collect news and to be considered a reliable source after proper verification and validation procedures. Newsrooms have become largely dependent on sources covering social media

The statements of officials based on the statements of their accounts on Twitter, and display the public's comments and interaction with a particular story, as well as produced some news programs relying entirely on sources of social media sites and the topics most commonly circulated, such as the program "Your Publication" broadcast by Al Jazeera Arabic channel

facilitated the tools and programs of modern programs to understand and analyze social media data through algorithms, We create new kinds of news within a data journalism framework, like knowing the most common themes in a particular country accurately, and getting to many of the options for videos and images, and what happened, and reaching out to influential people and actors, and reaching out to officials and documented accounts. But it needs social media search skills, like identifying the right keywords, and uses the right software and materials at the right time.

Social media sites have also become included in closed chat apps such as WhatsApp and Telegram, which are a resource for news, free from the participation of journalists) (**Omar Arquoub 2019 p. 15**) exstension .telegame chanel .twitter filter chat apps .tweetdeck . Feedly inoreader .photodesk.gramfeed.google alert.geofeedia.newsmap.socialbakers

The verification and verification phase. (**Omar Arquoub.2019 p. 16**) Objective (rational) verification: The journalist should be aware of the context of the event and its repercussions, parties and backgrounds, and be able to distinguish the contents of images, videos and texts in terms of their nature and geography. One of the most important criteria for objective verification is to listen and follow up on the supporters and opponents of the story, official and popular, independent and biased public media, activists, influencers, and citizens, the journalist must compare what was published and evaluate the conformity of the novels or their differences to completely exit the event completely. For technical verification: Is to verify press materials using special technical tools and software that can provide us with basic information about the authenticity of these materials and help us to verify them objectively, ((**Omar Arquoub 2019 p. 18**))

The verification tools used in the newsrooms today are diverse and advanced,

where it is possible for us to know if the photo was taken by camera or phone, and to identify the faces of the people in the pictures, and who first uploaded them on the internet, where, and whether they were manipulated or added to other details, they have stuck the size of the image, their electronic data, and sometimes cooperate with a third party in order to verify some of the stories that . You need advanced technologies such as Storyful and the most popular fotoforensics verification sites fidexif.com. googel image tiney.exif.jeffry .exif.viewer.amensty youtoub dataviewerK wolfram alpha.invid.googel earth .bing maps.

**4.4The stage of visual and editorial processing of news stories (Omar Arquoub 2019 p. 17)** after the appropriate story is selected for newsroom standards begins the final visual and editorial processing phase of the story before it is broadcast or published. The written processing here is the stage at which the story is completed and its editorial elements are completed, the most appropriate topics and angles are arranged to be addressed and displayed, and the selection of appropriate images and videos, quotations and statements, as well as editing and technically scrutinizing .

**5TV broadcast: In the TV newsroom**

This technology is based on displaying Grafix data on a screen behind the news presenter and displaying designs that explain and facilitate understanding of the story in question, especially stories that contain a great deal of information.

Immersive technology The artificial environment works without the introduction of 3D holograms into the studio so that it appears in front of the presenter of the newsletter to portray the environment around which the story revolves, such as

talking about making a new model of tanks and appearing next to the announcer inside the studio a 3D tank with new specifications can turn around and fire to make it more lively.

Unrealistic Environment Technology Engine it is used to draw details of an environment very similar to the place of the story or event, such as the place of explosion or the place of the crash of an aircraft, and the presenter of the story appears in it as if outside the studio in the event area, and began this technique by making games. To create a semi-real environment

It should be noted that the second and third technologies require a studio equipped for such techniques with the necessary and high cost tools, and uses the program (Vstr) which is a system dedicated to the work and display of 3D designs, so that it connects to sensors installed inside the photography studio and cameras that in turn transmit the image to the program to control it and add the 3D designs that appear on the screen, the presenter of the story inside the studio speaks and moves within the frame specified before him.

### **5.1 Hologram :**

This technique is based on the 3D image of characters within the studio where the presenter of the newsletter can interview them and ask them questions, although this character is located elsewhere, closer and used to facilitate approaches and give them a character of the story and scenes, CNN has conducted several approaches using this technique . On the other hand, the introduction of these techniques into newsrooms created a new kind of professional standards that must be taken into account in the presentation of news stories, each technique used for a certain type of story, the main objective of which is to adapt modern technology in order to clarify information to the public and use the element of visual dazzle to serve information only at its expense The type of technology that will be used is



determined through a discussion between journalists in the newsroom and technicians in the design and creativity departments, in order to create a story using immersive technology. Historical report whose information has not changed, in addition to weather reports, world cup reports and sports leagues, preferably not in-time that they need to be prepared that may take days with The Sunday Newsroom

The general criteria for the use of these presentation techniques in editorial policy can be defined by four main criteria that are preferably combined in the story as 50: • Make up for the lack of real video and images and are replaced by an attempt to portray a similar environment.

**5• 2 Add an aesthetic element to the story.** • Clarify complex information and data and confirm their authenticity and how they occur. • Break the monotony and diversify on the screen. (Omar Arquoub 2019 p. 21)

### **5.3Publishing**

in the digital and social age now needs television newsrooms to publish their productions through modern communication media because of their advantages such as reaching a wider and more diverse audience. And he led it.

### **5.4Smart Newsroom**

will not be a compact room whose productivity can be published online and social media without changing that priority production for television. Accordingly, the stages of the content dissemination plan in smart TV newsrooms can be drawn as they are visible in the form

### **5.4 .Television broadcasting:**

In the television newsroom the priority in publishing is for television, production standards are designed in accordance with the standards of television, in terms of its form, content and broadcast times, and modern technologies and tools have

contributed to this aspect by facilitating the scheduling of publication and the conduct and control of the broadcasting process.

### **5.5• - Information production on websites:**

The majority of news channels seek to provide their own website, to publish production and archives, as their stay on the Internet allows a wider audience to view them and benefit from them, but the standards and policy of publishing on websites is different from television by selecting press materials specifically, which requires a team that will not be published on the site, including reprocessing them as new titles, explaining the contents of the video, and cutting some programs and episodes summarizing the most important.

### **6 Publishing in the era of the digital and social world**

The smart TV newsroom is looking for more influence to deliver its message to a broad, diverse, more vibrant audience, able to interact with news stories, and it is no secret that posting on social media in television newsrooms has become a priority for its administrations, the story sometimes produces two copies, a copy of satellite Broad castand a copy of social media, and journalists themselves are asking the newsroom for their stories that they worked on to spread them on social media, the newsroom is unable to ignore its impact (**Omar Arquoub 2019 p. 15**)

The majority of news channels seek to provide their own website, to publish their productions and archives, their stay on the Internet allows a wider audience to view them and benefit from them, but the standards and policy of publishing on websites is different from television by selecting press materials special, which requires a team that is suitable for publishing on

al-Jazeera newsroom has worked, creating a "digital newsroom" inside the TV newsroom to take over the digital tasks of the newsroom.

Newsrooms in two main directions: a change in the tasks and skills required to accomplish the newsroom, requiring knowledge of modern communication methods and tools, changes to newsroom sections and units and the development of some of them. Managing the social platforms of the newsroom, and within this the newsroom needs a specialized team team there are new units and functions for each platform to be found, such as: newsroom tool development module, format and content development unit for social platforms, comment editor, specialist public study and development, specialist news gathering from open source websites and social sites, specialists in publishing on each platform. And validation on soci networking sites and the network newsrooms need a new section on internet verification, Because of the flood of fake information and news faced by the newsroom, which requires new tools and techniques to deal with it

The various studies have made numerous attempts to describe the administrative models of newspaper institutions in the management of their newsrooms, and the Government has taken a number of initiatives to ensure that the Government's efforts to ensure the safety of the population are met. **(Omar Arquoub 2019 p. 26)**

### **Conclusion:**

Newsrooms are technically and structurally accelerated, so we are free to develop newsrooms for state televisions based on newsroom experiences. As a result of digital and media integration requires structural change and the formation of pure work to ensure harmony and control of technology and coverage of events directly describes Exchange

of experiences between newsrooms allows the development and diversification of production and broadcasting platforms, so The Algerian TV newsroom was affected by the digital transformation, using up-to-date information production and streaming in various online platforms, especially paintings and smartphones, using the web site to interact with them, supported by the Scan video and broadcast in the bulletin.

we suggest working to ensure cooperation between different rooms and exchange of experiences periodically We propose to develop websites and ensure media diversity We also propose to develop the way news is produced in Algerian television newsrooms, as in the smart newsroom.

### **References**

**1Wikipedia.2020**

**2 abed el Fattah2016 p. 90**

**3Abed el Fattah 2016 p. 91**

**4Abed el Fattah, 2016 91**

**5Abdel Fattah, .. 2016 p92**

**6Abed el fatah 2016 p. 93**

**7walid kadri.27.10 2021**

**8. Souhilia herairia 27 oct 2021**

**9Abdul Fattah 2016 p. 90**

**10. Abdul Fattah 2019 p. 13**

**11Abdul Fattah 2019 p. 91**

**12 Abdel Fattah Fatima Zahra 2015**

**13Abdel Fattah Fatima Zahra 2015**

**14Arabic electronic magazine20 15**

**15Arabic electronic magazine2015**

**16Arabic electronic magazine2015**

**17Abdel Fattah Fatima Zahra 2015**

**18Omar Arquoub 2019 p. 12**

**19Omar Arquoub 2019 p. 13**

**20Omar Arquoub 2019 p. 14**

21Omar Arquoub 2019 p. 15

22Omar Arquoub 2019 p. 15

23 Omar Arquoub.2019 p. 16

24,Omar Arquoub 2019 p. 18

25Omar Arquoub 2019 p. 17

26Omar Arquoub 2019 p. 21

27Omar Arquoub 2019 p. 15

28Omar Arquoub 2019 p. 26

### **Bibliography List**

Omar Abu Arakoub, Smart Newsroom Model and Modern Media Use, Al Jazeera Media Institute Fellowship, 2019

Abdel Fattah Fatima Zahra, Newsroom Management Models at Multi-Platform, Scientific Journal of Journalism Research, Cairo University 2015

\_Abdel Fata, Fatima Zahra. Modern newsrooms: experiences from Egypt and the world Al Arabi Publishing and Distributing2016

Newsroom

<https://ar.wikipedia.org/wiki/%D8%BA%D8%B1%D9%81>

\_ Newsrooms keep up with the digital reader and move on to smartphones. Article of the Arabic electronic magazine

<https://alarab.co.uk/%D8%BA%D8%B1%D9%81A7%D8>

Walid kadri Algerian journalist in algerien television interview 27/10 /2021

Souhila herairia journalist in Algerian television interview 27/10/2021