Group	Sujet de Veille	Date	LIEN
mohammed khezami ,amine hatim abdelmalek	UI UX	28/09/2022	https://docs.google.com/presentation/d/1H4bS3wzNVIeNI-tTnMPcuVX5vkUOwH23/edit?usp=sharing&ouid=107020369456569531111&rtpof=true&sd=true
alae Eloula / mohamed romami	méthode agiles	29/09/2022	https://docs.google.com/presentation/d/1KmLzbO0oGWQEaehn84y_jtd4kS0YbL6u/edit?usp=sharing&ouid=11826124202422409179&rtpof=true&sd=true
Assiya el bouhali hassane nouhi	kanban	30/09/2022	https://github.com/asiyya-elbouhali/Pr-sentation-Kanban/blob/master/Kanban_2.pdf
salaheddine blfirme-mokhlis belhaj	scrum	03/10/2022	https://docs.google.com/presentation/d/1Wdlb-rJshYrDSW7fjrvYVGvaXYrbzjgM/edit#slide=id.p1
Echchaoui Mohammed-Mustapha Fatihi-Ikram	DNS	04/10/2022	https://docs.google.com/document/d/1SiRcwlJK-8vl4xEOe4YLfEvJrzO29pkn/edit?usp=sharing&ouid=104023616955367796876&rtpof=true&sd=true
Haytam Beniazza, Fadwa Cherqui	VPN	05/10/2022	https://www.canva.com/design/DAFNbqXfoYg/qgRgzNIo3uh_OPbNINTaow/edit?utm_content=DAFNbqXfoYg&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Mohamed kandirou, Sidati nouhi	Fullstack	06/10/2022	https://docs.google.com/presentation/d/10_lcj-ca1ZHY39o9GjzPr1MyC_FMsD-CbrG9nN71OWg/edit?usp=sharing
Abderrahmane aboussoror - Aziz Harkati	Linux	07/10/2022	https://docs.google.com/presentation/d/1TUHCJ_9B5FPIznoRel1MheqIoEA6uEoC/edit#slide=id.p1
marouane bouchettoy - otman ouharri - nezha lemnissir	HTML	11/10/2022	https://marouane216.github.io/html/
hamza elbakkouri , abderrahmane elhamel,salah eddine azarg	CSS	12/10/2022	https://www.canva.com/design/DAFOc-Dmzu4/n7oaJyD_Z9uJwgqJTTHhyg/edit?utm_content=DAFOc-Dmzu4&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Echchaoui Mohammed-Mustapha	SEO	13/10/2022	https://docs.google.com/presentation/d/1Lo0Idh2FxxTABj57fvOxxwv9JD--1ZQLiiS0Z8YIPcE/edit?usp=sharing
hamza el bakkouri,abderrahmane elhamel	Flex/ Grid	14/10/2022	https://www.canva.com/design/DAFO8CfVP0U/u8f3NRVHnlirUjtCymdsrg/edit?utm_content=DAFO8CfVP0U&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
alae Eloula / mohamed romami/hassan NOUHI	Media Query	17/10/2022	https://www.canva.com/design/1cV5aK6NRIFzBVAjYSS03z-sssr82tZcW/edit?usp=sharing&ouid=11826124202422409179&rtpof=true&sd=true
ikram - marouan bouchettoy	Actualités IT	18/10/2022	https://github.com/marouane216/Actualit-_Technologie
Haytam Beniazza - fadwa cherqui - Outman Ouharri	WWW / W3C	19/10/2022	https://docs.google.com/presentation/d/1YYq4iH8disVvlqOKCCRq-vTAUj05eut01rhWBn8Lq4g/edit?usp=sharing
Asiyya elbouhali- nezha lemnissir- mokhlis Belhaj	Javascript	20/10/2022	https://docs.google.com/presentation/d/1ygM4YUYB9DJ0qJW2UVcZzdVZGxccSXj0TemQkvSyYXQ/edit?usp=sharing
amine hatim - abdelmalek achkif	Debbuging	21/10/2022	https://www.canva.com/design/DAFPoDLiDrk/2gOSbY9zogO-zZUoUFVewA/view?utm_content=DAFPoDLiDrk&utm_campaign=designshare&utm_medium=link&utm_source=publishsharelink
Abderrahmane aboussoror - aziz harkati - salaheddine belfirme	Js DOM	24/10/2022	https://docs.google.com/presentation/d/1P7ItsWW4Tmi0e_sDD0G-815p_sSJ0b7LQZEmKMvd5qs/edit?usp=sharing
Sidati Nouhi - Mohamed Kandirou - salah eddine azarg	SASS	25/10/2022	https://docs.google.com/presentation/d/1eEkyCffL81wEibdys1Ilhm6t2UKHyX3jQePYP1cdjMA/edit?usp=sharing
amine hatim - abdelmalek achkif-fadwa	CSS Frameworks	26/10/2022	https://docs.google.com/presentation/d/DAFQE3-ccT8/pPDHjO_8gww4VFMgKcUn-g/view?utm_content=DAFQE3-ccT8&utm_campaign=designshare&utm_medium=link&utm_source=publishsharelink
ouharri - alae eloula - Mohamed Kandirou	Conception Merise	27/10/2022	https://docs.google.com/presentation/d/1FB85ZTPpmcJ7rdV2wKuYviUjJuZr0WqMAq2wqz7reGs/edit?usp=sharing
Haytam Beniazza - alae eloula - mohammed roumami	Conception UML	28/10/2022	https://docs.google.com/presentation/d/1xC1Z5RWoEJBr0B6JIOuHl7V-FqLIQ_mg/edit?usp=sharing&ouid=11826124202422409179&rtpof=true&sd=true
Sidati Nouhi- Mustapha FATIHI-Mokhlis	JQuery	31/10/2022	https://docs.google.com/presentation/d/19ujUlRAqWvBpiPQcuWeZGTzv72Ovm6woKskcKHFN0v0/edit?usp=sharing
Echchaoui - marouane -ikram	PHP	01/11/2022	https://github.com/marouane216/PHP
hamza el bakkouri , abderrahmane elhamel- hassan nouhi	Base de données	02/11/2022	https://www.canva.com/design/DAFQbThvIKE/trm55pzTXDT2gquBb0EWWw/edit?utm_content=DAFQbThvIKE&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Abderrahmane aboussoror, Aziz Harkati, Salaheddine belfirme	SQL	03/11/2022	https://docs.google.com/presentation/d/1pF6liLgzAni7QLzegaeykN_12oQ69xjQaf8hWu2mZvA/edit#slide=id.p
salah eddine azarg- Asiyya elbouhali -nezha elmnisir	SQL Injections	04/11/2022	https://docs.google.com/presentation/d/17LkZUcu-TLFOdgm5r47oSiHCMcmVhcWEtbrxiYxPdNg/edit#slide=id.g70d13569c7_2_50
ouharri Utman / Sidati nouhi	Chercher l'information	14/11/2022	https://www.canva.com/design/DAFOAcxtQ28/_VHjbbR_FOL3gR9sF_X-Ng/edit?utm_content=DAFOAcxtQ28&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Hassan Nouhi / Mohammed Kandiro	SOLID	15/11/2022	https://www.canva.com/design/DAFR8ImZRsM/I_4ZH_4c5Nb5zzaf9WFQ4w/edit?utm_content=DAFR8ImZRsM&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
salah eddine azarg- Asiyya elbouhali -nezha elmnisir	URI/ URL	16/11/2022	https://docs.google.com/presentation/d/1QuGgEPk3F_xgCl93uHfWHJMptTBYMOgaVkhMuCq3nTU/edit#slide=id.gcb9a0b074_1_0
mohamed romami/fadwa cherqui	JSON	17/11/2022	https://www.canva.com/design/DAFSIYH3IrQ/xPPRA60v8UAzyRafF8DDKw/edit?utm_content=DAFSIYH3IrQ&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Aziz Harkati - Abdelmalek Achkif	Actualités technologie	21/11/2022	https://docs.google.com/presentation/d/1ScStONe3ewZVzoX5bi2TxxgJb_vHOEwW_n5tEo_mqyE/edit?usp=sharing
Alaeeloula/hamza el bakkouri/mokhlis	XML	22/11/2022	https://www.canva.com/design/DAFSmovIoW0/kMVPaZZ93ooZzDk89Qahfog/edit
salah-eddine belfirme-mohamd - ikram	NoSql	28/11/2022	https://www.canva.com/design/DAFSr9TQYUg/0rGOYjW7bNUNxwJLmrJSPg/view?utm_content=DAFSr9TQYUg&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
abderrahmane elhamel / Amine hatim	Web Scrapping	29/11/2022	https://www.canva.com/design/DAFTOtbeuSM/XdS9G6qaYEy9dSCFacq94A/edit?utm_content=DAFTOtbeuSM&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
aboussoror abderrahmane / haytam beniazza	AI	30/11/2022	https://www.canva.com/design/DAFS9XTs978/bWeEY5ZVH6dcCMrUtdv6KQ/view?utm_content=DAFS9XTs978&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
mustapha-Echchaoui.Mohamed-marouane	IOT	01/12/2022	https://1drv.ms/p/s!Aq3fmeMWtBrtgQi6vvSC9QrwAb2P?e=GnSKFr
kandirou mohamed-salaheddine belfirme	POO	02/12/2022	https://www.canva.com/design/DAFThTBB5Q4/z2HGt_CRWlQq2TLg5aS88A/edit
echchaoui-amine hatim	Design Pattern	05/12/2022	https://www.canva.com/design/DAFTztSgQ9M/_whaHLe6P8E06GAVBy_DZQ/view?utm_content=DAFTztSgQ9M&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Hamza El Bakkouri - Salah Eddine Azarg	MVC	06/12/2022	https://docs.google.com/presentation/d/117QskvuLiCNIXxHqguU1es9TwkTxhBcCWLXCCNHawRY/edit?usp=sharing
hassan nouhi - Marouan Bouchettoy - Aziz Harkati	Bootstrap	07/12/2022	https://github.com/marouane216/bootstrap/blob/main/bootstrap.pptx
Abderrahmane Aboussoror-ikram - Abdelmalek Achkif	tailwind css	08/12/2022	https://docs.google.com/presentation/d/1vcw2iBMv2UEFX2T0NA-tPk4UtsvjARnXfXI3NsUTr-I/edit?usp=sharing
ouharri & Alae El Oula & fadwa	hashing algorithms	09/12/2022	https://www.canva.com/design/DAFUGg4YZPc/7WT2YTKMpmlfkXjVnZaO0w/edit?utm_content=DAFUGg4YZPc&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Echchaoui-mustapha fatihi	JIRA/Confluence	12/12/2022	https://pitch.com/public/3e4406fe-75b3-4c4e-802c-6d89862c3da4
asiyya elbouhali - nezha elminisir- haytam beniazza	Blockchain	13/12/2022	https://docs.google.com/presentation/d/1hgc3ui9HC-x7dfyOXGc7kklQASYxDn5X3xljbeYsup4/edit?usp=sharing
mohammed roumami § haytam beniazza	Web 3.0	15/12/2022	https://www.canva.com/design/DAFVTXJCTbl/RhyXtHljtGlb8yp8a4j29A/edit?utm_content=DAFVTXJCTbl&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
ikram-salah eddine azarg	Zero Knowledge Proof	16/12/2022	https://www.canva.com/design/DAFT4FMPRo8/liKgKFZlq0IUzG7CH4VYug/edit?utm_content=DAFT4FMPRo8&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
mokhlis belhaj - abderrahmane elhamel	PWA	19/12/2022	https://www.canva.com/design/DAFVCfBcfeQ/YT1EMoe9PvfZj4ChOvcKdg/view?utm_content=DAFVCfBcfeQ&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
mohamed kandirou-amine hatim-sidati nouhi	Cross Platforms Frameworks	20/12/2022	https://docs.google.com/presentation/d/1zPDVCaMB_Edwu1MDR4dm8K47uNsZ9OTDZOwCp22cXo8/edit#slide=id.g1569b59b089_0_30
Echchaoui & Alae El Oula-ouhari	Cloud Computing	21/12/2022	https://www.canva.com/design/DAFVUITMbJg/7GL72_c6D859FMK-wKb02Q/view?utm_content=DAFVUITMbJg&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Marouane bouchettoy - Aziz harkati - nezha lmnissir	Big O Notations	22/12/2022	https://docs.google.com/presentation/d/1z09FEDYPMDOQJZXFj_A6JryIUEu_Nezs/edit?usp=sharing&ouid=109453503846063457082&rtpof=true&sd=true
mustapha fatihi / haytam beniazza / sidati nouhi	BI	23/12/2022	https://docs.google.com/presentation/d/12FZTAe39QIkWx9uYfhCsjopxvy-ncUw0C8g8iF5swOk/edit?usp=sharing
hamza el bakkouri , abderrahmane elhamel,salah-eddine belfirme	Big Data	26/12/2022	https://www.canva.com/design/DAFVsIN7qJU/deQyyjdscnv0XNUABuXEhQ/edit?utm_content=DAFVsIN7qJU&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Assiya el bouhali / Fadwa cherqui	Cahier de charge	27/12/2022	https://www.canva.com/design/DAFV.4XIIKis/ayhTnA_aa65LBozNt4ZSqQ/edit?utm_content=DAFV.4XIIKis&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Hassan Nouhi / Abdelmalek Achkif	AR / VR Technlogy	28/12/2022	https://www.canva.com/design/DAFV_G1ixuk/_Ylm6JJ-YwdurZA728Nn_A/edit?utm_content=DAFV_G1ixuk&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Abderrahmane Aboussoror / Mokhlis Belhaj	Gestion des exceptions PHP	29/12/2022	https://docs.google.com/presentation/d/1wDG5gnOvrNoTo0rHoFIHhiFghbN09pMHHENcKB5JSiI/edit?usp=sharing
Amine Hatim / mohammed kandiro	PHP 8.2	30/12/2022	https://app.pitch.com/app/presentation/14eb11c9-3ca6-4f69-a290-ca2868e2dd1b/d34caa61-abd6-4c9f-aba8-3666a2688ab7
asiyya elhouhali - outman ouharri-salaheddine azarg	Actualité Tech	02/01/2023	https://docs.google.com/presentation/d/1XpqJHpW7RnT1MMZ_JPXU4qqf2EHlsf0ox3RtMMgVnyQ/edit?usp=sharing
mohammed roumami - fadwa cherqui	Http response codes & handling	03/01/2023	https://www.canva.com/design/DAFWhyHkbjc/bvCQ4UJKqcm1xD0a6UmqXw/edit?utm_content=DAFWhyHkbjc&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
alae el oula/ haytam beniazza	Cross Site Scripting (XSS)	04/01/2023	https://www.canva.com/design/DAFWpMtvi2k/Lq6v1_tM939A2eUA1r146Q/edit?utm_content=DAFWpMtvi2k&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
ikram-abderrahmane elhamel	Reverse Engineering	05/01/2023	https://www.canva.com/design/DAFWsXRMUAI/tZtgQWIKKQ_6ZD_QP8vDFQ/view?utm_content=DAFWsXRMUAI&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
sidatt - ouharri	ecmascript	06/01/2023	https://docs.google.com/presentation/d/1jB3VJriz9Gd6Lu-4-ar4My8a5cV2Vj7ie1uaFtSFQ2w/edit#slide=id.g1c7c9c2b97a_0_179

Group	Sujet de Veille	Date	LIEN
mokhlis / Abderrahmane Aboussoror	ES lint	16/01/2023	https://docs.google.com/presentation/d/1lxR_q9yI9GRbSqQomDaOi5DE4RMsSekTct1rohCZ0DE/edit?usp=sharing
mustapha fatihi salah belfirme	Ajax	17/01/2023	https://www.canva.com/design/DAFThTBB5Q4/z2HGt_CRWlQq2TLg5aS88A/edit
hamza elbakkouri,abderrahmane el hamel	Game Developement	18/01/2023	https://www.canva.com/design/DAFX79ySpVQ/kOpND_sV0A4FYFGiK-wKWA/edit?utm_content=DAFX79ySpVQ&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
nezha lemnissir-hassan nouhi	Net Neutrality	19/01/2023	https://www.canva.com/design/DAFYAaREtvU/75bVtsM9jLRaUySRLGVEBQ/edit
Abdelmalek Achkif Aziz Harkati maroune	Websocket	23/01/2023	https://docs.google.com/presentation/d/1J4vVo1oSdtmKCWG9ntDiovJsz_PFm_Qi/edit?usp=sharing&ouid=109453503846063457082&rtpof=true&sd=true
amine hatim - mohamed kandirou - otman ouharri	Node JS	30/01/2023	https://www.canva.com/design/DAFZDMtVGLY/OoVRrxP3eKKBcl7_jub-zg/edit?utm_source=shareButton&utm_medium=email&utm_campaign=designshare
Aziz Harkati - Nezha Lemnissir	Package managers	31/01/2023	https://docs.google.com/presentation/d/1RQUjJzKZ1tni9QQJfI9ZgM2BsyFbQjXQbwX8AnX96ns/edit#slide=id.g6c52a2e8d8_0_177
abderrahmne elhamel, sidati nouhi	Vue JS	01/02/2023	https://docs.google.com/presentation/d/13ZxjvE5usF9NdUqoKctDLcUKjn3eh8PddS68NzR4ybk/edit?usp=sharing
hamza el bakkouri , mohammed roumami	React JS	02/02/2023	https://www.canva.com/design/DAFZV2pMWCk/unvh9SaezmV_9VNI1vfzfQ/edit
salaheddine azarg-asiyya elbouhali	State management	03/02/2023	https://docs.google.com/presentation/d/1IjggL2QqfOZ9qegHehpjfVpRXF3P61ZCp64frnJcq0A/edit?usp=sharing
mokhlis belhaj - abderrahmane elhamel	Event Loop / Async Await	06/02/2023	https://www.canva.com/design/DAFZuFQaxK4/fkqZBfZOx0L8JQW4JNQUpg/view?utm_content=DAFZuFQaxK4&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
haytam beniazza	alae eloula	Typescript	07/02/2023	https://www.canva.com/design/DAFZzVbb0Fo/KwCFSR7zwNjmIXjxCkRB_g/view?utm_content=DAFZzVbb0Fo&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
ikram - marouane - aboussoror	JWT	08/02/2023	https://www.canva.com/design/DAFZ6z3JuLY/BjXP-dSm4DX0rG6XlvFwwA/edit?utm_content=DAFZ6z3JuLY&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
echchaoui/hassan nouhi	RGPD	09/02/2023	https://www.canva.com/design/DAFaBDjlweI/YI9k0G7DjRqGqkMa1G7xdQ/view?utm_content=DAFaBDjlweI&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Salaheddine Belfirme / Fadwa Cherqui	Testing frameworks	10/02/2023	https://www.canva.com/design/DAFaAVFh91M/MN9qUVGukUGbdD8r9AZ64A/view?utm_content=DAFaAVFh91M&utm_campaign=designshare&utm_medium=link&utm_source=homepage_design_menu
ikram-nezha	Actualité Technologique	13/02/2023	https://www.canva.com/design/DAFaYCZkOgI/9BSEbfImqKWfpu8IS8YhSw/edit?utm_content=DAFaYCZkOgI&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Aziz Harkati - Abdelmalek Achki	PSR	14/02/2023	https://www.canva.com/design/DAFad8CDdkl/iyXF6dqY_i0rqB4lVn1y0Q/edit?utm_content=DAFad8CDdkl&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Kandirou Mouhamed-Amine hatim-Echchaoui	Php Frameworks	15/02/2023	
Mustapha fatihi-haytham-aboussoror	Laravel	16/02/2023	https://www.canva.com/design/DAFaokj1tOA/ThwdEySrJ_PEFZ2ONWhjfA/view?utm_content=DAFaokj1tOA&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
haytam - alae	ORM	17/02/2023	https://www.canva.com/design/DAFavXV6pgo/h06BF8SGFCYliGJRzADSuA/view?utm_content=DAFavXV6pgo&utm_campaign=designshare&utm_medium=link&utm_source=homepage_design_menu
nezha-ikram	Eloquent	20/02/2023	https://www.canva.com/design/DAFa7Q7QWPA/936cGvvs6QcnHQNtbs-BFw/edit?utm_content=DAFa7Q7QWPA&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Aziz Harkati - Abdelmalek Achkif	DTO & DAO	21/02/2023	https://www.canva.com/design/DAFbHqgponk/OlpRjGgABuZFo1BNzuLrLQ/edit?utm_content=DAFbHqgponk&utm_campaign=designshare&utm_medium=link&utm_source=sharebutton
ouharri - Sidatt	Firebase (Exemple react , Vue ...)	22/02/2023	https://www.canva.com/design/DAFbPbu-4vg/q1AFZzX1ZxCfHLgn-dYF0w/view?utm_content=DAFbPbu-4vg&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
mustapha fatihi-haytam-hamza	Devops	23/02/2023	https://www.canva.com/design/DAFbSoP5Zlc/81tm0KVaxioFrvVFoBZ8Ow/view?utm_content=DAFbSoP5Zlc&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
ikram-salah eddine belfirme	Design Thinking	24/02/2023	
echchaoui-hassan nouhi-marouane	Salesforce	27/02/2023	https://www.canva.com/design/DAFbl8U_GKA/g3HKw9k3ZairojWUs-J22Q/view?utm_content=DAFbl8U_GKA&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
Salaheddine Azarg - Mohammed Roumami - Mokhliss Belhaj	CMS	28/02/2023	
Fadwa cherqui -asiyya elbouhali	Code Design Principles	01/03/2023	
alae / abderrahmane	Apex (Salesforce)	02/03/2023	https://www.canva.com/design/DAFb9-ZwC8g/kTS_x0ibSXS0Qhh06N4-qw/edit?utm_content=DAFb9-ZwC8g&utm_campaign=designshare&utm_medium=link2&utm_source=sharebutton
ouharri - Kandiro	Java	03/03/2023	https://tome.app/roumani/exploring-the-world-of-java-cler3x18h0f3r5pmvm8gvhoiu
Aziz Harkati - Assiya Elbouhali - Salaheddine Azarg	Django	06/03/2023	
salaheddine belfirme-Roumami	DeepWeb	07/03/2023	
echchaoui hassan	Machine Learning (Supervised Le	08/03/2023	https://www.canva.com/design/DAE4D79ekeg/1bU0cGZ5TLNIluGUiNQCKw/view?utm_content=DAE4D79ekeg&utm_campaign=designshare&utm_medium=link&utm_source=homepage_design_menu#13
rommami - Abussorror - Achkif	Data mining	09/03/2023	https://docs.google.com/presentation/d/1fFNKTrF_o2B6Uv88kMTnPciZYQiCZbrW5fM5_xDEp1s/edit?usp=sharing
ikram-marouan-mokhlis	Hadoop	10/03/2023	https://tome.app/marouane-aef/hadoop-clf1gd6zg02h08542n6hpva79?page=clf1gd70x02h28542vynmccdp
mustapha fatihi - ouharri - abousourour	MapReduce vs Spark	13/03/2023	https://docs.google.com/presentation/d/1Kf1EdUxYQgqXhOR6mOZ-8maARIvhWDj63WRT_mCwRMU/edit?usp=sharing
mustapha Azarg -nezha lemnissir	Kafka	14/03/2023	
fadwa-alae	Kibana & Elastic Search	15/03/2023	https://tome.app/ab-2d6/exploring-the-power-of-elastic-search-and-kibana-clf80nw4i1p0n5a42cxwt8o7z
hatim,echaoui	Docker	16/03/2023	https://www.canva.com/design/DAFdQrllj0g/9GkQJdo8aGHctSAsBEtZYw/edit?utm_source=shareButton&utm_medium=email&utm_campaign=designshare
outman ouharri - Kandiro	Kubernetes	17/03/2023	https://tome.app/roumani/kubernetes-unlocking-the-power-of-cloud-computing-clfbju6v805k2er41qr1k5ifp
Sidati / hamza	AWS vs Google Cloud vs Microsof	03/04/2023	
mokhlis - ouharri	REST API / GraphQL	04/04/2023	
hassan nouhi - belfirme salaheddine	Job Hunting	05/04/2023	
mustapha fatihi - marouan bouchettouy	Kotlin	06/04/2023	https://docs.google.com/presentation/d/1qF5EzRa9svx98KtaT89ajZ7x47MKwOYIE2_l2TdawYY/edit?usp=sharing
Abdalmalek achkif - asiya el bouhali	Actualité Tech	07/04/2023	