2024	Final projects in the course "Data Security an	d Cryptology" 2	2024-1	
	Topic	Name in Hebrew	ID Student	No
1	An Application for secure payment usind encryption-	עמית וינוגרד	316597723	1
	decryption with Serpent, including secure delivery of the	עומר בן שימול	313597379	2
	secrect key and signature based on EL-GAMAL on elliptic curve	אבנר בן שלמה	209060953	3
2			244204206	1
2	Secure SMS exchange. Encr/decr with RC6 + Blind RSA	אופק מלכה	311381206	1
	signature + DH key exchange	אלמוג חייקין	318159019	2
		ניר בטש	313594418	3
3	Secure access to dataset of images. Password access to the	דינה קקיאשוילי	318296936	1
	data. An image must be enrypted/decr by CAMELIA in OFB	נטלי נניקשווילי	208744094	2
	mode + image verification of decrypted image with MAC(Message authentication code) + secret key delivery with	יובל כהן	209293059	3
	EC El-Gamal	אייל קובי	209291418	4
4	An Application for secure email exchange: encryption-	אלין מגדלוביץ'	316148675	1
	decryption with FROG in CBC mode, including secure delivery	רז קסל	206017725	2
	of the secrect key with RSA and signature based on EL-GAMAL	נבו גוטליב	206234353	3
	on elliptic curve, using the Hash function SHA-256	רז וייס	315495622	4
5		אכוב חנחמונ	205889785	1
3	2 level (read and edit) access to images dataset with a	אריק פנחסוב גור ברו	313603755	2
	password identification, encr/decr by Blowfish, EC D-H secret	נוה כהן	209054303	3
	key generation + integrity checking by blind RSA signature.	עמית פרץ ישראל שושן	318740834	4
		ישואל שושן.	310/40034	4
6	An Application for secure SMS exchange: encryption-	גיא שלמה בנבו	316139310	1
	decryption with IDEA in OFB mode, including secure key	בר שמעון מלכה	313393324	2
	delivery with Merkle–Hellman knapsack and signature based	אופיר שחף	314764283	3
	on EL-GAMAL	אליאור מליק	204361505	4
7		21122127 717	206440001	1
,	Encryption/decr for secure SMS exchange application using	דוד זבונריוב	206440901 316216340	2
	SALSA20 algorithm and secure secret key delivery with EC El-	שיר כהן גל פרפל		1
	Gamal and Schnorr signature		206459562	3
		אלדד שניאור	206696833	4
8	Secure files transmission app. Encrytion-decryption by	דור טויזנר	314763657	1
	algorithm IDEA + Secure key delivery with key generation	רז בן אהרון	318317542	2
	with EC DH + DSA signature	ליטל לשצ'ינסקי	208658948	3
9	An application for secure payment with server identification	מקסים לבדינסקי	318171485	1
9	using Schnorr signature, encr-decr with RC6, including the DH	רותם לוי	308466275	2
	key generation	דמיטרי קיסליצין	323349738	3
	key generation	ן נויטוי קיטי.בין	JZJJ47/30	Э

DIL Consertion of a residual leaving group of 2 years, toute	מאי כספי	318172756	1
DH Generation of a mutual key in group of 3 users; texts	שי גרבוז	205713712	2
encryption/decryption with Camelia in ECB mode + Rabin	אלרועי סעדה	315093419	3
signature	דניאל זאדה	318223278	4
			-
	רום הראל	318474582	1
Application for secure delivery messages, encr/decr with	איתי בנג'מין	316514207	2
Serpent in CBC mode + El-Gamal secret key delivery + ECDSA	י. בן אבנר מריג <sup>י</sup> ן		3
signature for a secure chat	דניאל ממן . דניאל ממן		4
	<u>.                                      </u>		
Dynamic Cryptographic Algorithm Kuznyechik	האני	208082198	1
Bynamic cryptograpmer agentim reality come	21111	200002130	_
Secure files transmission app. Encrytion-decryption by	הגר טיבי	209063411	1
Ilgorithm Rabbit + Secure key delivery with Merkle–Hellman	אור בינימין	208605535	2
knapsack + ECDSA signature	דור פיליס	207501198	3
Kilapsack - Lebsa signature	0.7.3 111	20/301130	J
Secure access to dataset of images. Password access to the	ודיע טנוס	212248314	1
data. An image must be enrypted/decr by CAST-128 in CBC			1
mode + image verification of decrypted image with	בוריס שוסטין	321718512	2
MAC(Message authentication code) + secret key delivery with	טארק סלימאן	314858192	3
EC El-Gamal	ואיל סויד	319008264	4
Ec El Galliai			
	ויטל מרציאנו	314628827	1
An application for secure access to database on two levels: to	נטע אמזלג	206393019	2
read and to edit. Encryption/decr by Salsa20 cipher, secret	רון לחיני	315834994	3
key delivery with McEliece cryptosystem + ECDSA signature	פלג אואנונו	318827722	4
	13131(11( )/2	310027722	
	טלי אזולאי	205471204	1
An Application for secure email exchange: encryption-	אביב בן עזרא	313596355	2
decryption with LEA in OFB mode, secret key delivery with EC	אב בבן עודא לין חוא	314655309	3
EL-Gamal + RSA signature	בשארה בשארה	208261990	4
	HIRDIHIRDI	208201990	4
Dunamia AFC	ייבל בדוחו	206850612	1
Dynamic AES	יובל בדיחי	200830012	1
An Annicotion for convertible DEAL	I	204420070	1
An Application for secure SMS exchange: encr-decr with DEAL	יוסרא פחאמנה	204138879	1
in CBC mode, including DH key generation and signature EC	שוקרי עראף	322733700	2
EL-GAMAL	עומר סאלח	323004895	3
		T	•
	ליאל פסמן	323068502	1
• • • • • • • • • • • • • • • • • • • •	•		2
using Schnorr signature, encr-decr with TEA, including the DH	עמית מלכה	324130483	
An application for secure payment with server identification using Schnorr signature, encr-decr with TEA, including the DH key generation	•	324130483 314774787	3
using Schnorr signature, encr-decr with TEA, including the DH	עמית מלכה		
using Schnorr signature, encr-decr with TEA, including the DH	עמית מלכה		
using Schnorr signature, encr-decr with TEA, including the DH key generation	עמית מלכה ליאור בוזגלו	314774787	3
using Schnorr signature, encr-decr with TEA, including the DH key generation  An Application for secure e-mail exchange: encryption-	עמית מלכה ליאור בוזגלו ליזה שבצ <sup>י</sup> קה	314774787 206236176	3

22 App for Secure delivery of the gray images, encryption- decryption with Twofish in OFB mode + secret key delivery using Merkle-Hellman knapsack + ECDSA signature  23 An Application for secure SMS exchange: encr-decr with DEAL in CBC mode, including DH key generation and signature EC EL-GAMAL  24 An Application for secure email exchange: encryption- decryption with Camelia in CFB mode, key delivery with McEliece cryptosystem + EC DSA signature  25 Secure access to dataset of sound files. Password 2 level access to the data, encr/decr by FROG in CBC mode; secure channel for secure email exchange: encryption- access to the data, encr/decr by FROG in CBC mode; secure channel for secure tewg generation with EC DH + Schnorr signature  26 An Application for secure email exchange: including encryption-decryption with FROG in CBC mode and secure secret key delivery using Merkle-Hellman knapsack and signature based on EL-GAMAL  27 An Application for secure email exchange: encryption- decryption with Cast-128 in CBC mode, secret key delivery with RSA + EL-Gamal signature  28 An Application for secure email exchange: encryption- decryption with Cast-128 in CBC mode, secret key delivery with RSA + EL-Gamal signature  29 App for Secure delivery of the gray images, encryption- decryption with Alal in OFB mode + Secure tey delivery using Merkle-Hellman knapsack + DSA signature  29 App for Secure delivery of the gray images, encryption- decryption with Alal in OFB mode + Secret key delivery using Merkle-Hellman knapsack + DSA signature  20 App for Secure delivery of the gray images, encryption- decryption with Alal in OFB mode + secret key delivery using Merkle-Hellman knapsack + DSA signature  20 App for Secure delivery of the gray images, encryption- decryption with Alal in OFB mode + secret key delivery using Merkle-Hellman knapsack + DSA signature  20 App for Secure delivery of the gray images, encryption- decryption with Alal in OFB mode + secret key delivery using Merkle-Hellman knapsack + DSA signature  20 App for Se					
22 App for Secure delivery of the gray images, encryption- decryption with Twofish in OFB mode + secret key delivery using Merkle-Hellman knapsack + ECDSA signature   207470329   1	21		מג'ד זבידאת	314744822	1
22 App for Secure delivery of the gray images, encryption-decryption with Twofish in OFB mode + secret key delivery using Merkle—Hellman knapsack + ECDSA signature  23 An Application for secure SMS exchange: encr-decr with DEAL in CBC mode, including DH key generation and signature EC EL-GAMAL  24 An Application for secure email exchange: encryption-decryption with Camelia in CFB mode, key delivery with McEliece cryptosystem + EC DSA signature  25 Secure access to dataset of sound files. Password 2 level access to the data, encr/decr by FROG in CBC mode; secure channel for secure email exchange: including encryption-decryption with FROG in CFB mode and secure secret key delivery using Merkle—Hellman knapsack and signature based on EL-GAMAL  26 An Application for secure email exchange: including encryption-decryption with FROG in CFB mode and secure secret key delivery using Merkle—Hellman knapsack and signature based on EL-GAMAL  27 An Application for secure email exchange: encryption-decryption with CBC mode, secret key delivery using Merkle—Hellman knapsack and signature based on EL-GAMAL  28 An Application for secure email exchange: encryption-decryption-with FROG in CFB mode and secure secret key delivery using Merkle—Hellman knapsack and signature based on EL-GAMAL  29 An Application for secure email exchange: encryption-decryption-with CBC mode, secret key delivery with Cast-128 in CBC mode, secret key delivery with Cast-128 in CBC mode, secret key delivery and signature  20 An Application for secure email exchange: encryption-decryption with CBC mode, secret key delivery with Cast-128 in CBC mode, secret key delivery and signature  21 An Application for secure delivery of Sound Messages, encryption-decryption with CBC mode, secret key delivery and signature based on EL-GAMAL  22 An Application for secure delivery of Sound Messages, encryption-decryption with ARIA in OFB mode + Secret key delivery using Merkle—Hellman knapsack + DSA Signature  23 App for Secure delivery of the gray images, encryption-de		Sending e-mail securely using FEAL encr/decr in OFB mode,	יהודה ביטון	209023589	2
22 App for Secure delivery of the gray images, encryption- decryption with Twofish in OFB mode + secret key delivery using Merkle-Hellman knapsack + ECDSA signature  23 An Application for secure SMS exchange: encr-decr with DEAL in CBC mode, including DH key generation and signature EC EL-GAMAL  24 An Application for secure email exchange: encryption- decryption with Camelia in CFB mode, key delivery with McEliece cryptosystem + EC DSA signature  25 Secure access to dataset of sound files. Password 2 level access to the data, encr/decr by FROG in CBC mode; secure channel for secure email exchange: encryption- decryption-decryption with FROG in CBC mode; secure secret key delivery using Merkle-Hellman knapsack and signature based on EL-GAMAL  26 An Application for secure email exchange: including encryption-decryption with FROG in CFB mode and secure secret key delivery using Merkle-Hellman knapsack and signature based on EL-GAMAL  27 An Application for secure email exchange: encryption- decryption with Cast-128 in CBC mode, secret key delivery with RSA + EL-Gamal signature  28 An Application for secure email exchange: encryption- decryption with Cast-128 in CBC mode, secret key delivery with RSA + EL-Gamal signature  29 App for Secure delivery of the gray images, encryption- decryption with Alta in OFB mode + Secret key delivery using Merkle-Hellman knapsack and Merkle-Hellman knapsack p RSA signature  20 App for Secure delivery of the gray images, encryption- decryption with Alta in OFB mode + secret key delivery using Merkle-Hellman knapsack p RSA signature  20 App for Secure delivery of the gray images, encryption- decryption with Alta in OFB mode + secret key delivery using Merkle-Hellman knapsack p RSA signature  20 App for Secure delivery of the gray images, encryption- decryption with Alta in OFB mode + secret key delivery using Merkle-Hellman knapsack p RSA signature  20 App for Secure delivery of the gray images, encryption- decryption with Alta in OFB mode + secret key delivery using Merkle-Hellman k		key generation by means elliptic DH + EC El-Gamal signature	חנה קרוצ'נצקי	207409764	3
App for Secure delivery of the gray images, encryption decryption with Twofish in OFB mode + secret key delivery using Merkle—Hellman knapsack + ECDSA signature   1			בר מצליח	316511559	4
App for Secure delivery of the gray images, encryption decryption with Twofish in OFB mode + secret key delivery using Merkle—Hellman knapsack + ECDSA signature   1					
208111146   2   208638015   3   208638015   3   208638015   3   208638015   3   208638015   3   208638015   3   208638015   3   208638015   3   3   3   3   3   3   3   3   3	22	Ann for Socure delivery of the gray images, encryption	שרון מור	207470329	1
208638015   3   318159373   4   318159373   318159373   4   318159373   3   3181557373   3   3181557373   3   3181557373   3   3181557373   3   3181557373			מיכל גינת	208111146	2
23 An Application for secure SMS exchange: encr-decr with DEAL in CBC mode, including DH key generation and signature EC EL-GAMAL (207405788 3 1818980919 1 20740578 1 207405		, , ,	גל פולק	208638015	3
An Application for secure SMb exchange: encr-decr with DEAL in CBC mode, including DH key generation and signature EC EL-GAMAL   יובל גבאי   207405788   3 319005484   4   207405788   3 319005484   4   207405788   3 319005484   4   207405788   3 319005484   4   207405788   3 319005484   4   207405788   3 319005484   4   207405788   3 319005484   4   207405788   3 319005484   4   207405788   3 319005484   4   207405788   3 319005484   4   207405788   3 319005484   4   207405788   3 319005484   4   205908569   2   207405785   3 316279785   3 316279785   3 316279785   3 313428005   4   207608569   2		using Merkle—Hellinah khapsack + ECD3A signature	יובל זוהר	318159373	4
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EL-GAMAL   יובד לבואי   207405788   3   112   127405788   3   112   127405788   3   112   127405788   4   4   3   319005484   4   4   4   4   4   127405788   4   4   127405788   4   4   127405788   4   127405788   4   127405788   4   127405788   5   127405788   4   127405788   5   127405788   5   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   6   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   12740578   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405788   7   127405789   7   127405788   7   127405789   7   127405789   7   127405789   7   12740579		in CBC mode, including DH key generation and signature EC	נועה קריספין	208649285	2
24 An Application for secure email exchange: encryption-decryption with Camelia in CFB mode, key delivery with MCEliece cryptosystem + EC DSA signature 316279785 3 316279785 3 313428005 4  25 Secure access to dataset of sound files. Password 2 level access to the data, encr/decr by FROG in CBC mode; secure channel for secret key generation with EC DH + Schnorr signature 206836761 2 205818958 4 205818958 4 205818958 4 205818958 4 205818958 4 205818958 4 205818958 4 205818958 4 205818958 4 205818958 2 205818958 2 205818958 3 2058			יובל גבאי	207405788	3
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Secure access to dataset of sound files. Password 2 level access to the data, encr/decr by FROG in CBC mode; secure channel for secret key generation with EC DH + Schnorr signature 208636761 2 2086			אבירם פישמן	316279785	3
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26 An Application for secure email exchange: including encryption-decryption with FROG in CFB mode and secure secret key delivery using Merkle–Hellman knapsack and signature based on EL-GAMAL  27 An Application for secure email exchange: encryption-decryption with Cast-128 in CBC mode, secret key delivery with RSA + EL-Gamal signature  28 An Application for secure delivery of Sound Messages, encr/decr with Serpent in OFB mode + Elliptic El-Gamal secret key delivery + DSA signature for a secure chat  29 App for Secure delivery of the gray images, encryption-decryption with ARIA in OFB mode + secret key delivery using Merkle–Hellman knapsack + DSA signature  200912534 1 200902534 1 201844881 2 20902534 1 209020534 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1 20902054 1		channel for secret key generation with EC DH + Schnorr	גלעד סגל	314865841	3
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אולר מוחמן מפריץ בילובי בא An Application for secure email exchange: encryption-decryption with Cast-128 in CBC mode, secret key delivery with RSA + EL-Gamal signature 211581343 3 209290048 4  An Application for secure delivery of Sound Messages, encrydecr with Serpent in OFB mode + Elliptic El-Gamal secret key delivery + DSA signature for a secure chat 29 App for Secure delivery of the gray images, encryption-decryption with ARIA in OFB mode + secret key delivery using Merkle-Hellman knapsack + DSA signature 213784127 2 213784127 2 2009290048 4  29 App for Secure delivery of the gray images, encryption-decryption with ARIA in OFB mode + secret key delivery using 206485708 2 207691932 3		signature based on EL-GAMAL	דניאל גרוס	211844881	4
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An Application for secure delivery of Sound Messages, encr/decr with Serpent in OFB mode + Elliptic El-Gamal secret key delivery + DSA signature for a secure chat  App for Secure delivery of the gray images, encryption-decryption with ARIA in OFB mode + secret key delivery using  Merkle—Hellman knapsack + DSA signature  327474946 2 314933649 3 322386558 4  206444127 1 207691932 3					
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key delivery + DSA signature for a secure chat    314933649   3			אלכסנדר דנילוב	327474946	2
עימאד סלימאן 322386558 4  App for Secure delivery of the gray images, encryption- decryption with ARIA in OFB mode + secret key delivery using  Merkle-Hellman knapsack + DSA signature  Merkle-Hellman knapsack + DSA signature		·	מוחמד חמאיסי	314933649	3
App for Secure delivery of the gray images, encryption- decryption with ARIA in OFB mode + secret key delivery using  Merkle–Hellman knapsack + DSA signature  206485708 2 207691932 3		key delivery + DSA signature for a secure chat	עימאד סלימאן	322386558	4
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decryption with ARIA in OFB mode + secret key delivery using Merkle–Hellman knapsack + DSA signature  207691932 3	29	Ann for Secure delivery of the gray images, encryption	עמר ג'ראר	206444127	1
Merkle–Hellman knansack + DSA signature 20/691932   3		decryption with ARIA in OFB mode + secret key delivery using	מוסטפא שמא	206485708	2
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7 711 1130 212142000 4		Merkie-Heilman khapsack + DSA signature	סמר חליל	212142806	4

30	Secure files transmission app. Encrytion-decryption by	ענבר מזרחי	316582709	1
	algorithm GOST + key generation with Deffie–Hellman +	עדן בר	205907256	2
	ECDSA signature	פז פייר	313599250	3
31	An Application for secure e-mail exchange: encryption-	רון שחר	206755712	1
	decryption with COBRA Cipher in OFB mode, including secure	ניצן ממן	205798515	2
	delivery of the secrect key with EC EL-GAMAL + Rabin	כפיר חמו	318262151	3
	signature	ליאור זיגלו	316109115	4
32	App for secure delivery of images dataset with a password	מהראן עבד אללטיף	209120815	1
	identification, encr/decr by Blowfish, EC D-H secret key generation + integrity checking by blind RSA	מחמד יאסין	211876982	2
		שאדי עבד אלכרים	209120096	3
		מוחמד חטיב	207525627	4
33	App for Secure delivery of the gray images, encryption-	שירן גלעדי	208084285	1
	decryption with ARIA in OFB mode + secret key delivery using	אמר דיאב	212272561	2
		אמנה סלאמה	322732561	3
	Merkle–Hellman knapsack + DSA signature	דבורה דובינקר	318179033	4
34	Secure files transmission app. Encrytion-decryption by	שרה יוסף אסעד	207674318	1
	algorithm LEA in ECB mode + Secure key delivery with	דניאלה קדמאני	314701699	2
	Merkle–Hellman knapsack + ECDSA signature	מחמד מדאח	318740222	3