AKKINENI NAGESWARA RAO COLLEGE

(WITH POST-GRADUATE COURSES)
(AUTONOMOUS & AFFILIATED TO KRISHNA UNIVERSITY)
POST BOX NO.20, GUDIVADA-521301, KRISHNA DIST., A.P., INDIA
AN ISO 9001:2015 & 14001:2015 CERTIFIED ORGANIZATION

1.3.2: Number of certificate / value added courses / Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/NPTEL etc. where the students of the institution have enrolled and successfully completed during the last five years

ADDITIONAL INFO.

- List of Year wise Courses & Programmes
- Student list with Names & Roll No.s – Course/Programme wise – 5 Years
- Few Brochures[For reference]
- Few Certificates[For reference]
- Few Books (Attendance & Enrolment Sheets) [For reference]

Certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs,SWAYAM/e-PG Pathshala /NPTEL etc. (with 30 or more contact hours) offered	Course Code(if any)	Year of offering	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
YEAR-1-2022-23					
VALUE ADDED COURSE ON DIGITAL ELECTRONICS	ACPGCS221	2022-23	30DAYS/60 HOURS	29	28
VALUE ADDED COURSE ON DOT NET PROGRAMMING	ACPGCS222	2022-23	30DAYS/60 HOURS	28	27
MOOCs COURSE WEB BASED TECHNOLOGIES AND MULTIMEDIA	20MO6401	2022-23	90DAYS/180 HOURS	12	12
MOOCs COURSE R PROGRAMMING	20MO4401	2022-23	90DAYS/180 HOURS	64	64
MOOCs COURSE CYBER SECURITY	20MO4401A	2022-23	90DAYS/180 HOURS	64	64
MOOCs COURSE CYBER SECURITY	20MO6401A	2022-23	90DAYS/180 HOURS	12	12
VALUE ADDED COURSE ON INTRODUCTION TO PYTHON PROGRAMMING	ACUGCS221	2022-23	30DAYS/60 HOURS	30	28
VALUE ADDED COURSE ON OFFICE TOOLS	ACUGCS222	2022-23	30DAYS/60 HOURS	30	28
VALUE ADDED COURSEON DESCRIPTIVE STATISTICS	ACSTT221	2022-23	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON VEDIC ARITHEMATIC AND APPLICATIONS	ACMAT221	2022-23	45DAY/90 HOURS	20	20

VALUE ADDED COURSEON CLEANSING AGENTS	CLAT221	2022-23	30DAY/60 HOURS	25	25
VALUEADDEDCOURSEON INDUSRIAL ORGANISATION MANAGEMENT	ACUGCIOM221	2022-23	30DAYS/60 HOURS	30	30
SOIL ANALYSIS	ACPGCHE221	2022-23	35 DAYS/35 HOURS	33	31
VALUE ADDED COURSEON FINANCIAL MARKET	ACUGECO221	2022-23	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON ADVANCED ENGLISH COMPETENCY MASTERY PROGRAM	ACENG221	2022-23	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON KAKATIYA HISTORY	ACHIS221	2022-23	30DAY/60 HOURS	25	25
ADD-ON COURSE ON REFRIGERATION	18AOCRPHY	2022-23	0 DAYS/30 HOURS	20	20
VALUE ADDED COURSEON TWO PARTY SYSTEM	ACUGPOL221	2022-23	30DAY/60 HOURS	25	25
VALUE ADDED COURSE ON TELUGU-KUCHELOPAKYANAM-SNEHABANDHAM	AOCTEL123	2022-23	30DAYS/60 HOURS	35	34
VALUEADDEDCOURSEON **“Spoken Hindi”**	20HIN2	2022-23	30DAY/30 HOURS	20	20
VALUE ADDED COURSEON TECHNOLOGY MANAGEMENT	ACMBA231	2022-23	30DAY/60 HOURS	36	36

YEAR-2-2021-22					
VALUE ADDED COURSE ON Data Science	ACPGCS211	2021-22	30DAYS/60 HOURS	22	21
MOOCs COURSE WEB BASED TECHNOLOGIES AND MULTIMEDIA	20MO6401	2021-22	90DAYS/180 HOURS	6	6
MOOCs COURSE CYBER SECURITY	20MO6401A	2021-22	90DAYS/180 HOURS	6	6
MOOCs COURSE R PROGRAMMING	20MO4401	2021-22	90DAYS/180 HOURS	32	32
MOOCs COURSE CYBER SECURITY	20MO4401A	2021-22	90DAYS/180 HOURS	32	32
VALUE ADDED COURSE ON INTRODUCTION TO PYTHON PROGRAMMING	ACUGCS211	2021-22	30DAYS/60 HOURS	30	28
VALUE ADDED COURSEON BASIC STATISTICS	ACSTT211	2021-22	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON VEDIC ARITHEMATIC AND APPLICATIONS	ACMAT211	2021-22	45DAY/90 HOURS	30	30
VALUE ADDED COURSEON WATER ANALYSIS	WAS211	2021-22	30DAY/60 HOURS	25	25
VALUEADDEDCOURSEON FUNDAMENTALS OF NFORMATION TECHNOLOGY	ACUGCFIT211	2021-22	30DAYS/60 HOURS	30	30
IDENTIFICATION OF FOOD ADULTERATION IN SOME COMMON FOOD ITEMS	ACPGCHE211	2021-22	35 DAYS/35 HOURS	30	24
VALUE ADDED COURSEON GREEN REVOLUTION	ACUGECO211	2021-22	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON SPOKEN ENGLISH FOR TELEGU SPEAKERS	ACENG211	2021-22	30DAY/60 HOURS	25	25

VALUE ADDED COURSEON KAKATIYA HISTORY	ACHIS211	2021-22	30DAY/60 HOURS	25	25
ADD-ON COURSE ON REFRIGERATION	18AOCRPHY	2021-22	0 DAYS/30 HOURS	20	20
VALUE ADDED COURSEON HIGH COURT POWER OF FUNCTION	ACUGPOL211	2021-22	30DAY/60 HOURS	25	25
VALUE ADDED COURSE ON TELUGU-KUCHELOPAKYANAM-SNEHABANDHAM	AOCTEL122	2021-22	30DAYS/60 HOURS	30	30
VALUEADDEDCOURSEON **“Spoken Hindi”**	20HIN1	2021-22	30DAY/30 HOURS	20	20
VALUE ADDED COURSEON DISASTER MANAGEMENT	ACMBA221	2021-22	30DAY/60 HOURS	33	33
NSQF Certificate					
WEB TECHNOLOGIES (INTRODUCTION TO WEB PROGRAMMING, PROGRAMMING WITH PHP & MYSQL, WEB DESIGNING USING ASP.NET) (BY NSQF)	CCWT103 CCWT104 CCWT105	2021-22	90DAYS/180 HOURS	38	38
GST Introduction of GST Registration input tax credit &return of GST Practicial training on GST &E-Filling	CCGST103 CCGST104 CCGST105	2021-22	90DAYS/180 HOURS	30	30

SEPERATION METHODS QUALITY CONTROL AND TRADITIONAL METHODS OFANALYSIS INSTRUMENTAL METHODS OFANALYSIS	CCAC103 CCAC104 CCAC105	2021-22	90DAYS/180 HOURS	30	30

YEAR-3-2020-21					
VALUE ADDED COURSE ON OBJECT ORIENTED PROGRAMMING SYSTEM	ACPGCS201	2020-21	30DAYS/60 HOURS	23	22
VALUE ADDED COURSE ON CLOUD CPOMPUTING	ACUGCS201	2020-21	30DAYS/60 HOURS	30	28
VALUE ADDED COURSEON BASIC STATISTICS	ACSTT201	2020-21	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON VEDIC ARITHEMATIC AND APPLICATIONS	ACMAT201	2020-21	45DAY/90 HOURS	30	30
VALUE ADDED COURSEON LABORATORY SAFETY AND HANDLING OF CHEMICALS	LSHC201	2020-20	30DAY/60 HOURS	25	25
VALUEADDEDCOURSEON FINANCIAL MANAGEMENT	ACUGCFM201	2020-21	30DAYS/60 HOURS	39	39
RENEWABLE ENERGY	ACPGCHE201	2020-21	35 DAYS/35 HOURS	30	22
VALUE ADDED COURSEON PLANNING COMMISSION	ACUGECO201	2020-21	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON CONVERSATION PRACTICE FOR GRADUATE STUDENTS	ACENG201	2020-21	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON RAJYASABHA	ACUGPOL201	2020-21	30DAY/60 HOURS	25	25
ADD-ON COURSE ON REFRIGERATION	18AOCRPHY	2020-21	330DAYS/60 HOURS	20	20
VALUE ADDED COURSEON HUMAN RIGHT OF INDIA	ACSTT201	2020-21	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON GLOBAL STRATEGIC MANAGEMENT	ACMBA201	2020-21	30DAY/60 HOURS	32	32

VALUE ADDED COURSEON Introduction toHindi Dohe	20HIN1	2020-21	30DAY/60 HOURS	20	19
VALUE ADDED COURSEON Sataka padyalu – neeti bhodha	ACUGTEL201	2020-21	30DAY/60 HOURS	30	30

YEAR-4-2019-20					
VALUE ADDED COURSE ON MACHINE LEARNING	ACPGCS191	2019-20	30DAYS/60 HOURS	20	19
VALUE ADDED COURSE ON CLOUD COMPUTING	ACUGCS191	2019-20	30DAYS/60 HOURS	30	28
VALUE ADDED COURSEON DESCRIPTIVE STATISTICS	ACSTT191	2019-20	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON VEDIC ARITHEMATIC AND APPLICATIONS	ACMAT191	2019-20	45DAY/90 HOURS	30	30
VALUE ADDED COURSEON GREEN CHEMISTRY	GRC191	2019-20	30DAY/60 HOURS	25	25
VALUEADDEDCOURSEON HUMAN RESOURCE MANAGEMENT	ACUGCHRM191	2019-20	30DAYS/60 HOURS	29	29

SOIL ANALYSIS	ACPGCHE191	2019-20	35 DAYS/35 HOURS	30	25
VALUE ADDED COURSEON ROLL OF RBA	ACUGECO191	2019-20	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON CONVERSATION PRACTICE FOR GRADUATE STUDENTS	ACENG201	2019-20	30DAY/60 HOURS	25	25
VALUE ADDED COURSEONHISTORICAL METHODE	ACHIS191	2019-20	30DAY/60 HOURS	25	25
ADD-ON COURSE ON REFRIGERATION	18AOCRPHY	2019-20	30 DAYS/30 HOURS	20	20
VALUE ADDED COURSEON HIGH COURT POWER OF FUNCTION	ACPOL191	2019-20	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON EFFECTIVE PUBLIC SPEAKING	ACMBA191	2019-20	30DAY/60 HOURS	36	36
VALUE ADDED COURSEON EFFECTIVE PUBLIC SPEAKING Introduction toHindi Vyakaran	19HIN1	2019-20	30DAY/60 HOURS	20	19
VALUE ADDED COURSEON Harischandrudu – vyaktitva viluvalu	ACUGTEL191	2019-20	30DAY/60 HOURS	30	30

YEAR-5-2018-19					
VALUE ADDED COURSE ON PROBLEM SOLVING USING PYTHON PROGRAMMING	ACPGCS181	2018-19	30DAYS/60 HOURS	21	20
VALUE ADDED COURSE ON CLOUD COMPUTING	ACUGCS181	2018-19	30DAYS/60 HOURS	30	29
VALUE ADDED COURSEON DESCRIPTIVE STATISTICS	ACSTT181	2018-19	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON VEDIC ARITHEMATIC AND APPLICATIONS	ACMAT181	2018-19	45DAY/90 HOURS	30	30
VALUE ADDED COURSEON FOOD ADULTERATION	FAD181	2018-19	30DAY/60 HOURS	20	20
VALUEADDEDCOURSEON TALLY	ACUGCT181	2018-19	30DAYS/60 HOURS	38	38
RENEWABLE ENERGY	ACPGCHE181	2018-19	35 DAYS/35 HOURS	30	28
VALUE ADDED COURSEON BUSINESS ENVIRONMENT	ACUGECO181	2018-19	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON DEVELOPING EFFECTIVE WRITING STRATEGIES	ACENG181	2018-19	30DAY/60 HOURS	25	25
VALUE ADDED COURSEON KAKATIYA HISTORY	ACHIS181	2018-19	30DAY/60 HOURS	25	25
ADD-ON COURSE ON REFRIGERATION	18AOCRPHY	2018-19	30 DAYS/30 HOURS	20	20

VALUE ADDED COURSEON HUMAN RIGHT OF INDIA	ACSTT181	2018-19	30DAY/60 HOURS	25	25
VALUE ADDED COURSE ON Intellectual Property Rights (IPR)	ACMBA181	2018-19	30 DAYS / 60 HOURS	35	35
VALUE ADDED COURSEONIntroduction to Kaviyom Ka Itihaas	18HIN1	2018-19	30DAY/60 HOURS	18	17
VALUE ADDED COURSE ON Sakuntalopakyanam-naitikata	ACUGTEL181	2018-19	30 DAYS / 60 HOURS	30	30

YEAR–1-2022-23

(ADDITIONAL INFO:– STUDENTS LIST WITH NAMES & ROLL No)

1.3.2Numberofcertificate/valueaddedcourses/DiplomaProgrammesofferedbytheinstitutionsandonlinecoursesofMOOCs,SWAYAM/e-PGPathshala/NPTELetc.wherethestudentsoftheinstitutionhaveenrolledandsuccessfullycompletedduringthelastfiveyears

Year-1-2022-23							
Certificate/value Added Courses	**Course Code**	**DATES**	**OFFERED BY**	**LECTURER IN-CHARGE**	**CLASS**	**NAME OF THE STUDENT**	**REGD.No.**
VALUE ADDED COURSE ON CLOUD COMPUTING	ACUGCS221	14-11-2022 to 22-12-2022	UG DEPARTMENT OF COMPUTER SCIENCE	A.DURGA BHAVANI	UG COMPUTERS	BEZAWADA DURGA PUSHPA	22105305
						BITRAGUNTA LIKITHA	22105306
						BOKINALA MANUSHA	22105308
						GURUDASU SOMA SEKHAR	22105317
						JAJULA GEETHA PRASANNA	22105319
						KAPU CHANDU	22105320
						KATRU ASA JYOTHI	22105321
						MEKA HARIKA	22105329
						POLAGANI MANIKANTA SAI	22105336
						SHAIK FARHANA	22105338
						BALLA THANUSHA	22105502
						CHENNAPRAGADA YASASWINI	22105506
						GARIKE BALA KRISHNA	22105512
						JAGARAPU DEEPIKA	22105514
						KALAVAKUNTA HYNDAVI	22105515
						KANUMURI SRIJA DEVI	22105517
						KOMATI RATNA BHAVANI	22105519
						MAJETI ESWARI NAGA VENKATA SITA	22105527
						RAJULAPATI RANI	22105535
						YELURI GEETHA NAGASRI	22105546
						BEZAWADA GEETHANJALI	22105601
						CHENNA BHAVANI	22105602
						MANDADHI VINEETHA	22105608
						NAKKA LAVANYA	22105611
						NERUSU MOHITHA	22105613

						SAMMETA NAGA DHARANI SAI	22105616
						SHAIK RIZWANA	22105618
						SONTI PUJITHA	22105619
						SRIKAKULAPU KEERTHANA	22105620
						YARRAMSETTI NAVYA SALOMI	22105623
VALUE ADDED COURSE ON DIGITAL ELECTRONICS	ACPGCS221	02-01-2023 to 23-03-2023	PG DEPARTMENT OF COMPUTERS	A DURGA BHAVANI	MCA & MSc(CS)	AMARTHALA TEJESH	22054001
						APPIKONDA MOUNIKA	22054003
						CHENU PRAVEEN KUMAR	22054012
						GUBILI SAI SARAN	22054019
						KALISETTI NAVYASREE	22054025
						KATTA LEEL ANANTHA SAI	22054027
						KONDA RADHAMMA	22054028
						KOTHA BHAVYA SUJATHA	22054029
						MAHANKALI GNANAVENKATASAIPHANIKUMAR	22054030
						MARADANI JAYA SUDHEER	22054031
						MENDU SURESH	22054034
						MURALA THANUJA	22054038
						PALLAPOTHU GOWTHAMI	22054042
						PEDDIBOINA BHAVANA	22054046
						POTHULA AKSHITHA	22054050
						PRIYANKA GUDIVADA	22054051
						REMALA NIHARIKA	22054053
						SIRIGIRI SAMBAIAH	22054056
						TAPPATLA HARIKA PRIYA	22054057
						TELLA MEGHANA	22054059
						VEERISETTI VEERA VENKATA SAI KUMAR	22054063
						BOMMASANI KEERTHANA	22056001
						CHILLIMUNTHA HARITHA	22056002
						KAGGA BHARGAVI	22056006
						MEKALA SWARUPA	22056009

						MOGADATI TULASI SRI	22056010
						NALLURI DIVYA	22056011
						NANDIPAMULA SRI VIDYA	22056012
						POORILLA LEELA NAGA MANI	22056013
						PULI TEJASASWINI NAGA SAI	22056014
						TUMMALAPALLI LAKSHMI KALYANA SRAVYA	22056018
VALUE ADDED COURSEON DESCRIPTIVE STATISTICS	ACSTT221	01-11-2022 TO 19-12-2022	Department Of Statistics	K. APARNA	IB.Sc.(MPC&MPCs)	A.SAI	1
						D.KALYAN	7
						G.SIMHACHALAM	8
						M.NIKITHA	16
						M.CHINNA	14
						N.RAJU	33
						S.SUNNETA	27
						G.SIREESHA	11
						V.SUNNETH KUMAR	26
						V.ESWARA SAI	34
						A.RAMYA	502
						A.TEJASRI	550
						D.VIJAYASANTHI	513
						E.HARIKA	508
						G.HARIKA	517
						J.HARI	565
						K.SANDHYA	503
						P.TARAK	543
						P.SANTOSH	529
						R.BALLU	537
						S.JHANAVI	544
						S.KARTHIK	548
						V.VAMSI	535
						V.SIVA NANDINI	534
						Y.VASANTHA	531

VALUE ADDED COURSEON VEDIC ARITHEMATIC AND APPLICATIONS	**ACMAT221**	09-10-2023 TO 05-12-2023	Department Of Mathematics	P.Bharathi	IB.Sc. (MPC&MPCS&MSCS)	s	501
						K.HYNDAVI	502
						K.SRIJA DEVI	505
						G.BALA KRISHNA	508
						J.DEEPIKA	509
						B.THANUSHA	514
						K.TRINNI	523
						S.NAGA SAI KUMAR	526
						N.HARSHA VARDHAN	533
						K.H.N MANIKANTA	540
						K.ELISHA BABU	1
						SK.JOHN SAIDA	5
						SK.RIZWANA	401
						SK.BAJI BABA	406
						Y.NAVYA SALOMI	408
						S.NAGA DHARANI	413
						G.KIRAN DATTU	415
						S.KEERTHANA	419
						N.MOHITHA	420
						D.PUJA SRI SAI	426
						S.KEERTHANA	419
						N.MOHITHA	420
						D.PUJA SRI SAI	426
ADD-ON COURSE ON REFRIGERATION	18AOCRPHY	03-04-2023 TO 10.05.2023	DEPARTMENT OF PHYSICS	B. DIVYA	M.P.Cs	K. ELISHA BABU	18AOCRPHY2201
						V. VAMSI	18AOCRPHY2202
						SHAIK JOHN SAIDA	18AOCRPHY2203
						Y. GEETHA NAGA SRI	18AOCRPHY2204
						K. SRIJA DEVI	18AOCRPHY2205
						G. BALA KRISHNA	18AOCRPHY2206
						J. DEEPIKA	18AOCRPHY2207
						B. THANUSHA	18AOCRPHY2208
						K. TRINNI	18AOCRPHY2209

						K. HEMANTH BABU	18AOCRPHY2210
						S. NAGA SAI KUMAR	18AOCRPHY2211
						S. SANTOSH	18AOCRPHY2212
						T.M.S. SRI MARUTHI	18AOCRPHY2213
						K.H.N. MANIKANTA	18AOCRPHY2214
						K. JHANSI LAKSHMI	18AOCRPHY2215
						S.V.SAI KRISHNA	18AOCRPHY2216
						CH. SAI RAM	18AOCRPHY2217
						P. DURGA MANI SHANKAR	18AOCRPHY2218
						CH. VINEETHA	18AOCRPHY2219
						D. PARDHA SAI	18AOCRPHY2220
VALUE ADDED COURSEON Cleansing agents	CLAT221	14-11-2022 to 22-12-22	Department Chemistry	T. Padma	IB.Sc.(MPC)	AKKARAPALLI SAI	1
						ANAGANI BHARGAVI	2
						ANAGANI LEELA JITHENDRA DASU	49
						BODDU DURGA NIHARIKA	4
						BOLLA ANIL KUMAR	3
						BOMMANABOINA HIRANYA SIVA VALLI	5
						CHINTAGUNTA DILEEP KUMAR(Mq)	43
						DASARI KALYAN	7
						DEERANGULA DEEPAK KUMAR	30
						EEDE SAI	32
						GANTADA SIMHACHALAM	8
						GORIPARTHI GANESH	6
						GUDE AMRUTHA VANI	48
						JUJJUVARAPU YASWANTH	10
						KAMBHAM DEEPIKA	9
						KOLAPALLI NAGA GAYATHRI	12
						KONAKALLA RANANKA BABU	13
						MADDALA ARUN KUMAR	50
						MENDU NIKITHA	16
						T. SIRISHA	11

Soil Analysis	ACPGCHE221	01.03.2023 TO 10.04.2023	PG DEPARTMENTOF Chemistry	D. Vimala Kumari	M.Sc., chemistry	ARJA LOKESWARI	21057001
						BATTULATEJASWI	21057002
						BODDUPALLIGEETHA LAKSHMISRINIVASA RAO	21057003
						CHAMBANISRAVANI	21057004
						CHEBOYINA PAULKIRAN	21057005
						CHENU BABY SRAVANI	21057006
						CHIMATA CHANDU	21057007
						DASARIVENKATESH	21057008
						DOMAJOHN WESLEY	21057009
						ELAPARTHILURDHU MARY	21057010
						JAMPANA PADMINI	21057011
						KAPPA VENKATA SIVA KUMAR	21057012
						KARETIBHARGAV	21057013
						KOKKILIGADDA VAMSI	21057014
						KOLLURIRAMESH	21057015
						KORADA RAJESWARI	21057016
						KORASIKHA VEERA NAGAMANI	21057017
						MAHESWARAMBINDUNAGA SAI	21057018
						MALAGAMVENKATESH	21057019
						MANIKONDA MAHESWARI	21057020
						MITTAPALLIDIVYA SREE SAI	21057021
						MUKHESURESH	21057022
						MUNGARA VENKATA MADHURI	21057023
						NAKKA PRAVEEN	21057024
						PAGOLUSIVA GAYATHRI	21057025
						PAMARTHILAKSHMIDURGA	21057026
						PANDRAJU MANASA	21057027
						PISININAGASUDHARANI	21057028
						POLAGANIYAMINI	21057029
						POTHUMUDIVENKATA PHANI	21057030
						PUPPALA NAGA VENKATA RANGAVAMSI	21057031

						VEEAMALLU BHANU PRAKASH	21057033
VALUE ADDED COURSE ON TECHNOLOGY MANAGEMENT	**ACSTT231**	15-06-2023 TO 22-07-2023	P G Department of Business Administration	NAZIA SULTANA	**MBA**	J. SAMPATH	102
						CH. LAVANYA	103
						J. HARSHA	106
						K. KAVITHA	109
						M. SARANYA SAI	110
						P. SURYA NARAYANA	112
						R. HEMAMAHESWARI	115
						S. K. CHAKRAVARTHI	116
						T. KIRAN KUMAR	121
						S. VENKATA SAI	127
						B. RACHANA	128
						K. CHANDINI	129
						V. VENKATA SAILAJA	131
						V. P V S K P KUMAR	132
						J.V. SAI VARA PRASAD	136
						O.SAI KUMARI	138
						K. KUSUMA	142
						B.NAGA VARA PRASAD	144
						B. SRUTHI	306
						K. DEVA RAJU	307
						P. ANUSHA	312
						P. PRIYANKA	313
						S. MOUNIKA	315
						B.P. JAGADEESH KUMAR	319
VALUE ADDED COURSE ON INDUSRIAL ORGANISATION MANAGEMENT	ACUGCIOM221	1-11-2023 to 20-12-2023	DEPARTMENTOF COMMERCE	K.V. SANDHYA	III BCOM (Gen)	BANDI PALLAVI	601
						BEZAWADA BALA BHARGAVI	602
						CHILUVURI SRUJANA	603
						DALAPARTHI MANJEERA VENKATA NAGA HARIPRIYA	604
						GUDAPATI HARIKA	611
						GUDLAVALLELI YASASRI	612

						LAM NISSI	616
						MARELLA ANUSHA	613
						MOHAMMAD RESHMA	617
						NAGULLA SRAVANI	618
						NARISETTI DRUVAMANI RAJU	621
						PAVULURI SUKESH KUMAR	623
						SAYALA DEEPIKA	625
						THAMMA JAYA SIVA SAI BHASKAR	634
						UPPULETI NITHISH BABU	629
						ALLADI SRAVANI	202
						ALLU KUMARI	203
						ANKAM ANAND KUMAR	204
						DOPPALAPUDI MALAVIKA	207
						KUMAR	208
						GOVADA UMAMAHESWARI	209
						KALIDINDI NARAYANA	255
						KAMATHAM NIKHITHA	245
						KOPPURAVURI NOHITHA LAKSHMI	217
						KUNCHALA SIVAGOPI	218
						LAKKOJU TELIN KUMAR	220
						MASIMUKKU MOUNIKA	223
						MOHAMMED AZAAD	249
						MOTURI BUNNY	222
						SONTI SUPRIYA	230
VALUE ADDED COURSE ON Business environment	ACECO221	04-03-2022 to 05-04-2022	Department Of ECONOMICS	A.JYOTHI	III BA	A. BALAKRISHNA	9
						B. NIKHIL	5
						CH. VEERA VENKATA NAGA GANESH	11
						E. GIRISH	3
						K. JAYA LAKSHMI	4
						K. HEMESH	2
						K. KAVITHA	8
						P. SANDEEP KUMAR	1
						R. AMULUYA	7

						S. MANGARAJU	10
VALUE ADDED COURSE ON DESCRIPTIVE STATISTICS	ACENG221	14-02-2022 to 13-04-2022	Department Of English	A.Sukheela	IB.Sc.(MPC&MPCs)	AKKARAPALLI SAI	1
						ANAGANI BHARGAVI	2
						BOLLA ANIL KUMAR	3
						BODDU DURGA NIHARIKA	4
						BOMMANABOINA HIRANYA SIVA VALLI	5
						CHINTAGUNTA DILEEP KUMAR(Mq)	6
						DASARI KALYAN	7
						EEDE SAI	8
						CHINTAGUNTA DILEEP KUMAR(Mq)	32
						V.ESWARA SAI	43
						BALLA THANUSHA	514
						CHENNAPRAGADA YASASWINI	520
						GARIKE BALA KRISHNA	508
						JAGARAPU DEEPIKA	509
						KALAVAKUNTA HYNDAVI	502
						BEZAWADA DURGA PUSHPA	607
						BITRAGUNTA LIKITHA	639
						BOKINALA MANUSHA	612
						GURUDASU SOMA SEKHAR	623
						JAJULA GEETHA PRASANNA	613
						KAPU CHANDU	637
						KATRU ASA JYOTHI	624
						MEKA HARIKA	645
						POLAGANI MANIKANTA SAI	625
						SHAIK FARHANA	610
VALUE ADDED COURSE ON KAKATIYA HISTORY	ACHIS221	10-08-2022 to 15-09-2022	Department Of HISTORY	N. NAGA LAKSHMI	III BA	A. BALAKRISHNA	9
						B. NIKHIL	5
						CH. VEERA VENKATA NAGA GANESH	11
						E. GIRISH	3
						K. JAYA LAKSHMI	4
						K. HEMESH	2

						K. KAVITHA	8
						P. SANDEEP KUMAR	1
						R. AMULUYA	7
						S. MANGARAJU	10
VALUE ADDED COURSE ON HUMAN RIGHT OF INDIA	ACPOL221	26-10-2023 to 05-12-2023	Department Of POLITICS	A.SUNEETHA	III BA	A. BALAKRISHNA	9
						B. NIKHIL	5
						CH. VEERAVENKATA NAGA GANESH	11
						E. GIRISH	3
						K. JAYA LAKSHMI	4
						K. HEMESH	2
						K. KAVITHA	8
						P. SANDEEP KUMAR	1
						R. AMULUYA	7
						S. MANGARAJU	10
						A. BALAKRISHNA	9
						B. NIKHIL	5
						CH. VEERAVENKATA NAGA GANESH	11
						E. GIRISH	3
						K. JAYA LAKSHMI	4
						K. HEMESH	2

YEAR–2-2021-22

(ADDITIONAL INFO.–STUDENTS LIST WITH NAMES & ROLL No)

Year-2-2021-22							
Certificate/value Added Courses	**Course Code**	**DATES**	**OFFERED BY**	**LECTURER IN-CHARGE**	**CLASS**	**NAME OF THE STUDENT**	**REGD.No.**
VALUE ADDED COURSE ON CLOUD COMPUTING	ACUGCS211	06-12-2021 to 22-01-2022	UG DEPARTMENT OF COMPUTER SCIENCE	A.DURGA BHAVANI	UG COMPUTERS	BANDI PALLAVI	21105305
						CHILUVURI SRUJANA	21105310
						DALIPARTHI MANJEERA VENKATA NAGA HARIPRIYA	21105313
						GUDAPATI HARIKA	21105317
						GUDLAVALLETI YASASRI	21105318
						KESARAPALLI DEEPTHI	21105319
						MOHAMMAD RESHMA	21105326
						NAGULLA SRAVANI	21105328
						PAMARTHI BHAVANA	21105333
						SAYALA DEEPIKA	21105340
						CHALAPAKA NAGA SAI SRAVANI	21105508
						GANTASALA MANOJ RAM PRASAD	21105514
						GUDDETI HARIKA	21105517
						GUJJALA MANI DEEPIKA	21105519
						GULLA NIKHITHA	21105520
						KAPPAKAYALA JOSHI	21105525
						MOHAMMED NAZIYA BEGUM	21105536
						NADIMINTI KANAKA MAHA LAKSHMI	21105538
						ORUGANTI HEMA CHANDRA MANIKANTA	21105540
						PURAMSETTI ARAVIND	21105549
						BATHULA MOUNIKA	21105605
						BONGU NAGA DURGA BHAVANI	21105607
						CH BABY SAROJINI	21105609
						JAREENA BEGUM	21105620

						KOWTHARAPU YAKANSHITA	21105630
						MAHAMMAD SHABEENA	21105634
						NARIGADAPA DHANUSRI	21105642
						PULI DEEPTHI	21105648
						RAJABOINA SRI VYSHNAVI	21105650
						THOTA TRIPURA NAGA	21105658
VALUE ADDED COURSE ON DATA SCIENCE	ACPGCS211	22-11-2021 to 05-02-2022	PG DPARTMENT OF COMPUTERS	M JESU BABU	MCA & MSc(CS)	ANNAM GNANA LAKSHMI	21054001
						ATMAKURI NAGA LAKSHMI	21054003
						BEZAWADA PREMA JYOTHI	21054005
						BOIDI SAI SRIVALLIKUMARI	21054006
						BOMMASANI NAVEEN KUMAR	21054007
						BONAM DHARMENDRA	21054008
						CHAGANTIPATI SAI KUMAR	21054011
						CHALAMALASETTY PHANEENDRA KRISHNA	21054012
						CHILUKOTI SAMBAIAH	21054015
						CHINTAGUNTA AVINASH	21054016
						DAKARAPU BHUSALINI	21054017
						KOPPULA JHANSI	21054038
						MUTHIREDDY ANIL KUMAR	21054049
						VINNAKOTA BINDHU	21054063
						TATA DEEPIKA	21054058
						VALLURI SARAT MAISA	21054060
						VENDRA TEJA SRI	21054061
						PARASA ADI SUBRAMANYAM	21054053
						YELLAMELLI SUDHA RANI	21054065
						ATKURI HARSHITHA	21056002
						N.MADHURI SAI	21056003
						PENUMUDI SHARMILA	21056006
						AMARLAPUDI PADMALATHA	21056001
						T. SAI KUMAR	21056010

						UPPULURI DIVYA	21056011
						PEDDI PUJITHA	21056004
Identification of food Adulteration in some Common Food Items	ACPGCHE211	02.03.2022 TO 18.04.2023	PG DEPARTMENTOF Chemistry	G. Geetasri	M.Sc., (Chemistry)	BAGIKHAN	20057001
						BANDRAPALLISUVARCHALA	20057002
						BATNA MAHESWARI	20057003
						BOYINASIVA NAGARAJU	20057004
						BOYINA SIVAJI	20057005
						DOKKUSIREESHA	20057006
						GANGULAGANESH	20057007
						GANTAKALPANA	20057008
						JAGANISYAMKUMAR	20057009
						KAMMILINAGA SRAVANI	20057010
						KOTTEBHAVYA	20057011
						KURAKULAHARIKA	20057012
						MUPPARAJU BRAHMAIAH	20057013
						MUSIDIPALLIRUPESHWARA RAO	20057014
						NAIDU KANAKA RAMA DEVI	20057015
						NUKALAHARSHITHA	20057016
						PAGOLUSAHITYA	20057017
						PALATHIRTHAPUBABU	20057018
						PALLIKONDAVAMSI	20057019
						PEDAPUDIMADHU BABU	20057020
						PEDDIBALAKRISHNA	20057021
						PIDUGU DURGAPRASAD	20057022
						PISINIRAMAKRISHNA	20057023
						SANAGALANAVEEN	20057024
						SUNDARAMANIKHANTA	20057025
						SURAPANENISANDHYA	20057026
						THUMULURI.RAMYA	20057027
						VARADAKRISHNABABU	20057028

						MALAGAMVENKATESH	21057019
						MANIKONDA MAHESWARI	21057020
VALUE ADDED COURSE ON DISASTER MANAGEMENT	ACMBA221	30-03-2022 TO 15-06-2023	P.G.Department of Business Administration	M.BARATH KUMAR	MBA	B. JAYASRI	101
						C.N.V.PAVAN KUMAR	103
						C.THARUN KUMAR	105
						D.SIVA GANGA PARVATHI	107
						K.S.L.VASUNDHARA	109
						K.SIVA NAGA PRASAD	110
						K.BALAJI	111
						M.GEETHA MEGHANA	115
						M.SAMATHA	117
						P.MANASA	119
						S.PADMAVATHI	121
						SK.RAFEE	122
						U.VENNELA	124
						C.TEJA PRATAP	127
						S.BHANU SRI	143
						V.RAGHAVENDRA SWAMY	144
						S.NAVEEN KUMAR	145
						ABDUL KAREEM	148
						J.BHAVANI	151
						P.VYSHNAVI SAMPURNA	152
						D.ABHILASHA	153
						A.PRASANTH	154
						K.SURYA PRAVEEN	155
						M.JABIVULLA	156
						C.DEEKSHA NAGA MALLIKA	302
						D.SANDHYA RANI	304
						G.NAGA BABU	307
						K.MAHESWARI	310
						K.L.BHAVANI	312

						P.VENKATA.RACHANA	318
						A.SWAPNA	949
						B.POOJA	950
						V.G.V.SIVA SAI KUMAR	966
VALUE ADDED COURSE ON VEDIC ARITHEMATIC AND APPLICATIONS	ACMAT211	14-02-2022 TO 13-04-2022	Department Of Mathematics	K.Bindu Madhavi	IB.Sc.(MPC&MPCs&mscs)	HIRANYA SIAVA .B	5
						D.KALYAN	7
						K.NAGA GAYATHRI	12
						K.RANANKA BABU	13
						K.DEEPIKA	16
						M.CHARAN	17
						N.GAYATHRI	18
						N.GOWTHAMI	19
						N.VAGDEVI	20
						E.SAI	32
						A.RAMYA	502
						E.HARIKA	508
						B.VIJAYA SANTHI	513
						G.HARI KRISHNA BABU	521
						G.NIKHITHA	523
						K.KARTHIKEYA	526
						G.MANI DEEPIKA	536
						K.JOSHI	538
						K.YASWANTHI	560
						A.SIVA SAI KARTHIK	562
						JAREENA .B	412
						K.SAMEERA	414
						D.SRAVANTHI	415
						K.SAI KRISHNA	419
						B.NAGA DURGA BHAVANI	422
						B.MOUNIKA	425
						A.KANTHANJALI	434

						A.NAGA PHANEEDRA	437
						D.BHANU PRAKASH	450
						CH. BABY SAROJINI	459
VALUE ADDED COURSE ON BASIC STATISTICS	ACSTT211	01-03-2022 TO 11-04-2022	Department Of Statistics	K. APARNA	IB.Sc.(MPC&MPCs)	AKULA.CHANDRA SAI LAKSHMI	564
						AMMARTHALA.SANTOSH	501
						BODDU.JAMINI	503
						BORRA.DEEKSHITHA	505
						DOKIPARTHI.VENKATA UDAY	507
						ENIKEPALLI.BHUVANESWARI	509
						MUTUYALA.PREM CHAND	538
						NALAPU.VENKAYYASWAMY	539
						NATTA.YAMINI	540
						NEELISETTY.GNANESWARARAO	541
						NERUSU.BHARGAVI	542
						NETHITTI.SATYAVATHI	543
						SRIPANI.GANESH KUMAR	1
						MAYA.HEMA SRI	3
						DAGGU.SUBRAMANYAM	6
						EDE.VENKATESH	9
						BANTUMILLI.NAVEEN	12
						MOHAMMAD.ANEES FATHIMA	13
						POSINA.SIVA	16
						SAMMETA.NAGA VARUN SAI	19
						GARLAPATI.BHASKARA RAO	22
						MADDALA.YADEEDHYASWARAG	26
						GUDAVALLI.GANESH BABU	30
						LINKA.LAVANYA	36
						DUSI.SAI CHARAN	43

VALUE ADDED COURSE ON BASIC STATISTICS	ACSTT211	01-03-2022 TO 11-04-2022	Department Of Statistics	K. APARNA	IB.Sc.(MPC&MPCs)	AKULA.CHANDRA SAI LAKSHMI	564
						AMMARTHALA.SANTOSH	501
						BODDU.JAMINI	503
						BORRA.DEEKSHITHA	505
						DOKIPARTHI.VENKATA UDAY	507
						ENIKEPALLI.BHUVANESWARI	509
						MUTUYALA.PREM CHAND	538
						NALAPU.VENKAYYASWAMY	539
						NATTA.YAMINI	540
						NEELISETTY.GNANESWARARAO	541
						NERUSU.BHARGAVI	542
						NETHITTI.SATYAVATHI	543
						SRIPANI.GANESH KUMAR	1
						MAYA.HEMA SRI	3
						DAGGU.SUBRAMANYAM	6
						EDE.VENKATESH	9
						BANTUMILLI.NAVEEN	12
						MOHAMMAD.ANEES FATHIMA	13
						POSINA.SIVA	16
						SAMMETA.NAGA VARUN SAI	19
						GARLAPATI.BHASKARA RAO	22
						MADDALA.YADEEDHYASWARAG	26
						GUDAVALLI.GANESH BABU	30
						LINKA.LAVANYA	36
						DUSI.SAI CHARAN	43
ADD-ON COURSE ON REFRIGERATION	18AOCRPHY	15-06-2022 TO 20.07.2022	DEPARTMENT OF PHYSICS	K.ANIL KUMAR	MPC	K. RANANKA BABU	18AOCRPHY2101
						M. NIKITHA	18AOCRPHY2102
						M. CHARAN	18AOCRPHY2103
						N. GAYATHRI	18AOCRPHY2104

						N. VAGDEVI	18AOCRPHY2105
						B. DURGA NIHARIKA	18AOCRPHY2106
						B.H. SIVA VALLI	18AOCRPHY2107
						G. AMRUTHA VANI	18AOCRPHY2108
						N. RAJU	18AOCRPHY2109
						K. DEEPIKA	18AOCRPHY2110
						E. HARIKA	18AOCRPHY2111
						P. ARAVIND	18AOCRPHY2112
						N. GOWTHAMI	18AOCRPHY2113
						G. MANI DEEPIKA	18AOCRPHY2114
						K. JOSHI	18AOCRPHY2115
						V. VASANTHA	18AOCRPHY2116
						S.V. NAGA SATISH	18AOCRPHY2117
						L. SAMBA SIVA	18AOCRPHY2118
						G. MANOJ RAM PRASAD	18AOCRPHY2119
						K. ADITYA KUMAR	18AOCRPHY2120
VALUE ADDED COURSE ON water analysis	WAS211	01-03-2022 TO 11-04-2022	Department Chemistry	K. Sudhakar	IIB.Sc.(MPc)	SHAIK BASHA	564
						KODURU HEMANTH KUMAR	501
						RAVURI GOPALAAPPALASWAMY	503
						PUTTI LAKSHMI NARAYANA	505
						GUNTREDDI PARAMESH	507
						KANCHARLA AJAY KUMAR	509
						BOJJA MANOJ	538
						G BHASKARA SAI ANJANEYA MANIKANTA	539
						MURALA SAI SUBRAMANYA PRASAD	540
						KANUMURU KESAVA	541
						MADDALA YADEEDHYA SWARAJ	542
						KANUMURU KESAVA	543
						MADDALA YADEEDHYA SWARAJ	1

						DEKKA SURAJ	3
						KAVILIKATTA SANDEEP	6
						MADDA DEBORA CHOOZEN	9
						LINKA LAVANYA	12
						TENALI RAVI	13
						MEDEPALLI BHARGAV	16
						NATTA NITISH KUMAR	19
VALUE ADDED COURSE ON FUNDAMENTALS OF INFORMATION TECHNOLOGY	ACUGCFIT211	20-12-2021 to 20-01-2022	DEPARTMENTOF COMMERCE	A.KIRAN KUMAR	IIIBCOM (Gen)	ANAGANI VYKUNTHA SAI	601
						ANDARAJU VENKATA BHAVANI	602
						ANUPOJU CHANDAN	603
						BATTULA TEJA NAGA DURGA PRASANNA	604
						BOSETTI ANANTHA SAI VINAY	605
						BURIDI ESHWAR KALI VARA PRASAD	606
						CHAPALA AKASH	607
						CHEVURI SASI KUMAR	608
						DEEVI DINESH VENKATA HARI KRISHANA	609
						DEVARA NAGA ANUSHA	610
						ELIKACHERLA PRIYANKA	611
						GABBITA SAI SRAVANTHI	612
						GOPU VASANTHI	613
						GUDIPALLI LEELA VEERA V N S S MANIKANTA	614
						GUDURI PRAVEEN	615
						JUVVANAPUDI VASU	216
						GUNDABATTINA KONDA BABU	217
						GADIDESI KIREETI	218
						VASIPALLI VIVEK	219
						VEMULA SIVA SANKAR	220

						DASARI SUNIL BABU	221
						KODALI VAMSI BABU	222
						NIMMAGADDA CHNADU	223
						JUJJUVARAPU PREM KUMAR	224
						ATTULURI DURGA BHAVANI	225
						KATURI SRAVANTHI	226
						GHANTASAL SAI PRAKASH	227
						NUTAKKI UDAYABHANU	228
						PULAVARTHI SATISH	229
						GUDIPUDI KOUSALYA	230
VALUE ADDED COURSE ON Business environment	ACECO211	07-08-2021 to 23-09-2021	Department Of ECONOMICS	A. JYOTHI	III BA	B. PRAVEEN	1
						B. VANJA	2
						B. RAJESWRI	49
						CH. PRABHAVATHI	4
						D. DURGA PRASAD	3
						D. RAMA KRISHNA	5
						G. PRAVALLIKA	43
						G.AJAY	7
						I. ANIL	30
						I. ESWARA SAI	32
						J .PHANI KRISHNA	8
						J. ANIL	6
						M. NANDINI	48
						M. IBRAHIM	10
						N. PURAN DURGA	9
						N. BHANU	12
						P. BHARGAV	13
						P. MAHA LAKSHMI	7
						B. PRAVEEN	16

						B. VANJA	11
						B. RAJESWRI	1
						CH. PRABHAVATHI	2
						D. DURGA PRASAD	49
						D. RAMA KRISHNA	4
						G. PRAVALLIKA	3
VALUE ADDED COURSE ON KAKATIYA HISTORY	**ACHIS211**	25-10-2021 to 29-11-2021	Department Of HISTORY	M.KIRAN BABU	III BA	B. PRAVEEN	1
						B. VANJA	2
						B. RAJESWRI	49
						CH. PRABHAVATHI	4
						D. DURGA PRASAD	3
						D. RAMA KRISHNA	5
						G. PRAVALLIKA	43
						G.AJAY	7
						I. ANIL	30
						I. ESWARA SAI	32
						J .PHANI KRISHNA	8
						J. ANIL	6
						M. NANDINI	48
						M. IBRAHIM	10
						N. PURAN DURGA	9
						N. BHANU	12
						P. BHARGAV	13
						P. MAHA LAKSHMI	7
						B. PRAVEEN	16
						B. VANJA	11
						B. RAJESWRI	1
						CH. PRABHAVATHI	2
						D. DURGA PRASAD	49

						D. RAMA KRISHNA	4
						G. PRAVALLIKA	3
VALUE ADDED COURSE ON HUMAN RIGHT OF INDIA	ACPOL211	14-11-2022 to 22-12-22	Department Of POLITICS	A. SUNEETHA	III BA	B. PRAVEEN	1
						B. VANJA	2
						B. RAJESWRI	49
						CH. PRABHAVATHI	4
						D. DURGA PRASAD	3
						D. RAMA KRISHNA	5
						G. PRAVALLIKA	43
						G.AJAY	7
						I. ANIL	30
						I. ESWARA SAI	32
						J .PHANI KRISHNA	8
						J. ANIL	6
						M. NANDINI	48
						M. IBRAHIM	10
						N. PURANDURGA	9
						N. BHANU	12
						P. BHARGAV	13
						P. MAHA LAKSHMI	7
						B. PRAVEEN	16
						B. VANJA	11
						B. RAJESWRI	1
						CH. PRABHAVATHI	2
						D. DURGA PRASAD	49
						D. RAMA KRISHNA	4
						G. PRAVALLIKA	3
VALUE ADDED COURSE ON BASIC STATISTICS	ACENG211	09-11-2020 to 07-01-2021	Department Of English	Ch.Prakash	IB.Sc.(MPC&MPCs)	GULLA NIKHITHA	523
						KAPPAKAYALA JOSHI	538

						MOHAMMED NAZIYA BEGUM	510
						NADIMINTI KANAKA MAHA LAKSHMI	530
						ORUGANTI HEMA CHANDRA MANIKANTA	515
						PURAMSETTI ARAVIND	514
						BATHULA MOUNIKA	425
						BONGU NAGA DURGA BHAVANI	422
						CH BABY SAROJINI	459
						JAREENA BEGUM	412
						KOWTHARAPU YAKANSHITA	423
						MAHAMMAD SHABEENA	432
						NARIGADAPA DHANUSRI	433
						PULI DEEPTHI	424
						RAJABOINA SRI VYSHNAVI	438
						THOTA TRIPURA NAGA	431
						MADDALA YADEEDHYA SWARAJ	26
						KANUMURU KESAVA	25
						MADDALA YADEEDHYA SWARAJ	26
						DEKKA SURAJ	27
						KAVILIKATTA SANDEEP	28
						MADDA DEBORA CHOOZEN	35
						LINKA LAVANYA	36
						TENALI RAVI	39
						MEDEPALLI BHARGAV	48
VALUE ADDED COURSE ON Spoken Hindi	20HIN2	09.12.2021 TO 25.01.2022	DEPARTMENTOFHINDI	D.SuvarnaLakshmi	B.Sc,B.Com(general)	BANILKUMAR	21105405
						BHIRANYASIVAVALLI	21105406
						DKALYAN	21105408
						DDEEPAKKUMAR	21105409
						GGANESH	21105412

						JYASWANTH	21105414
						KDEEPIKA	21105416
						MARUNKUMAR	21105419
						MNIKITHA	21105420
						MCHARAN	21105422
						NNARENDRAKUMAR	21105429
						SMANIKANTASAI	21105433
						SHMOHSINBASHA	21105434
						TNAGANITHIN	21105437
						VSUNILKUMAR	21105441
						VAKHIL	21105442
						KNIKHITHA	21105220
						MHNAJIRIN	21105235
						PSRINIVASRAO	21105241
						TDURGAPRASAD	21105251
VALUE ADDED COURSE ON TELUGU-KUCHELOPAKYANAM-SNEHABANDHAM	AOCZOO122	02.08.2022 TO 27.09.2022	DEPARTMENTOFTELUGU	D.S.PRATHYUSHA	IB.Sc. & B.com	APPIKATLA NIKHIL (MQ)	21105304
						BANDI PALLAVI	21105305
						BARLA SAI CHAND (MQ)	21105306
						BEZAWADA BALA BHARGAVI	21105307
						BODDU KIREETI (MQ)	21105308
						AKKARAPALLI SAI	21105401
						ANAGANI BHARGAVI	21105402
						ANAGANI LEELA JITHENDRA DASU(MQ)	21105403
						BODDU DURGA NIHARIKA	21105404
						BOLLA ANIL KUMAR	21105405
						GUDISE HARI KRISHNA BABU	21105518
						GUJJALA MANI DEEPIKA	21105519
						GULLA NIKHITHA	21105520
						JEERU HARI (MQ)	21105521

						KAGITHA ABHILASH (MQ)	21105522
						ACHYUTHA KANTHANJALI	21105601
						ACHYUTHA NAGA PHANEEDRA	21105602
						DIMMITI LOHITHA SRAVANTHI	21105613
						DIVVELA BHANU PRAKASH (MQ)	21105614
						DUVVARAPU HARI HARI MANIKANTA	21105615
						THAMMA JAYA SIVA SAI BHASKAR	21105343
						THIRUVEEDHULA VEDHASRI	21105344
						UPPALA PRABHU VIJAY	21105345
						UPPULETI NITHISH BABU	21105346
						VEDANTHAM TEJASWANI	21105347
						TADEPALLI NAGA NITHIN	21105437
						TADIMALLA SWETASRI	21105438
						THUMATI SIREESHA	21105439
						TULIMELLI RAJA YASWANTH	21105440
						VALLURI SUNEEL KUMAR	21105441

YEAR–3-2020-21

(ADDITIONAL INFO.–STUDENTS LIST WITH NAMES & ROLL No)

Year-3-2020-21							
Certificate/value Added Courses	**Course Code**	**DATES**	**OFFERED BY**	**LECTURER IN-CHARGE**	**CLASS**	**NAME OF THE STUDENT**	**REGD.No.**
VALUE ADDED COURSE ON CLOUD COMPUTING	ACUGCS201	22-02-2020 to 01-04-2020	UG DEPARTMENT OF COMPUTER SCIENCE	A.DURGA BHAVANI	UG COMPUTERS	DEVARA NAGA ANUSHA	20105310
						GABBITA SAI SRAVANTHI	20105312
						MUPPIDI UMA NAGA SREE	20105328
						NARISETTI RAMADEVI	20105329
						PADAMATA NAGA VENKATA SAI	20105331
						PALANCHU APARNA	20105332
						POTHUBOINA KIRAN KUMAR	20105336
						PUVVULA NAGA MURAHARI SAI VYSHNAVI	20105339
						SITALA SYAM PRASAD	20105345
						UDDAGIRI ROSHITHA	20105348
						BODDU JAMINI	20105505
						BORRA DEEKSHITHA	20105507
						DUBA SREEYA	20105510
						GOLLAPOTHU VINAY KUMAR	20105513
						KANDULA PAVANI	20105520
						MOHAMMAD SIKANDAR	20105536
						MUSINADA LIKITHA GAYATHRI	20105539
						NERSU BHARGAVI	20105545
						NETHITTI SATYAVATHI	20105546
						PENUMAKA JAHNAVI	20105552
						BOMMASANI KAVYA SRI	20105610
						BURLA NAGA SIRISHA	20105613
						GUNDE SIRI	20105625

						KALEPALLI HARITHA SRI	20105627
						MOHAMMAD AAKHIL	20105643
						MUTYALA TEJASWI	20105645
						PABBISETTY GIRISHMA	20105650
						PERUMALLA M N VENKAT A SIREESHA	20105651
						THATTUKOLLA SRI THRIVENI	20105662
						VIKKURTHI RAJITHA	20105665
VALUE ADDED COURSE ON OBJECT ORIENTED PROGRAMMING SYSTEM	ACPGCS201	23-11-2020 to 23-01-2021	PG DPARTMENT OF COMPUTERS	M RAVI SUNDAR	MCA & MSc(CS)	ADAPA HARIKA	20054001
						AREPALLI SIVA NAGA GANESH	20054002
						AVUTAPALLI LAKSHMI BHAVANI	20054003
						BOYILLA SUMATHI	20054004
						MERUGU BHANU PRASAD	20054017
						NAMBURI CHIRANJEEVI	20054018
						MANNE MEDHA MANOJA	20054012
						MARADANI MEENA	20054013
						PATCHIPULUSU SATYA NAGA SAI SUDHEER	20054024
						KOLUSU HIMA BINDHU	20054009
						PEDAVALA NAGA JYOTHI	20054025
						RAJABOINA SRILATHA	20054026
						SANKULA UDAY KIRAN	20054027
						SAYANA HARIKA	20054028
						TALAKATURI SRAVANTHI	20054029
						TUMMALAPALLI SASI RAJESH	20054030
						VARADA AJAY KUMAR	20054031
						KARRE ANITHA	20056001
						KHAIRAN BEE	20056002
						MANDAPATI NANI	20056003

						MAREEDU TEJASRI	20056004
						MATTA SRI NAGA SWAPNA	20056005
						VADDADI SAI DURGA	20056006
Renewable Energy	ACPGCHE201	02.06.2021 TO 18.09.2021	PG DEPARTMENTOF Chemistry	G. Geetasri	M.Sc., (Chemistry)	BANDIKIRANMAYI	19057002
						BOKKA SIVA GANESHA	19057003
						BOYINA RATNAKUMARI	19057004
						CHAKKA SIVA KALYANI	19057005
						EDEKRISHNA	19057006
						GANDIMANIKANTHA RAJA	19057007
						GUJJU MANEESHA	19057008
						GULLIPALLIMADHUSUDAN	19057009
						KLAPALAAKAKANSHA	19057010
						KOMARAVOLU RAGHU VAMSI	19057011
						KUNCHEMOUNIKA	19057012
						MATTAHARITHA	19057013
						PAMIDISWADITH KUMAR	19057014
						PANDRANKINAGA RAJU	19057015
						PARASA NAGA RAMANJANEYULU	19057016
						PEDDIBOINA BALAJI	19057017
						PEDDIBOYINA MOUNIKA DIVYA	19057018
						PEKETITHRINADH BABU	19057019
						PURAMKIRAN JYOTHI	19057020
						SANAPATHISURESH	19057021
						SODANIPHANEENDRA	19057022
						TATANAGA RAJU	19057023
						THERLIARJUNA RAO	19057024
						TIRUMANIVIJAY KUMAR	19057025
						VANAPALLIHYMA	19057026

						VEERLASIVA NAGA LAKSHMI	19057027
						VISSAMSETTINAGA LAKSHMI	19057028
						VUYYURUNAGARJUNA SAI	19057029
						YALAVARTHINAGABABU	19057030
VALUE ADDED COURSE ON GLOBAL STRATEGIC MANAGEMENT	ACMBA201	23-03-2020 TO 05-05-2021	P.G .Department of Business Administration	K. Hima Giridhara Rao	MBA	V. JAHNAVI	102
						D. LAVANYA	103
						M. V. S. N. H. S. PRIYANKA	104
						P.VENKATA HARSHINI	106
						O. RAMADEVI	109
						M. HARINADH	112
						M. BHANUJA	113
						P. PRABHAVATHI	114
						M. SWAROOPA RANI	116
						CH. SIVA NAGA LAKSHMI	119
						A. B.D. L. PAVANI	124
						B. HAREESH	125
						K. NAGA SAI VARA PRASAD	127
						CH. PADMAVATHI	130
						U. TULASI KUMARI	301
						CH. KEZIAH	304
						K. JYOTHIKA	309
						Y. VENKATA NAGA SANDHYA	311
						V. RAMA KRISHNA	313
						B. DIVYA	317
						D. NAGA SRI RAMYA	318
						SHAIK SHAMSUNNISA	324
						M. MADHU KIRAN	343

						B. SAIRAM	344
						SHAIK NAZEER BASHA	345
						A. GEETA	346
						D. SRIVALLI	347
						A. MISRITHA	348
						B, ADITYA VARDHAN	349
						A. NANDIDNI	351
						K. HARITHA	920
						D.PRADEEP	926
VALUE ADDED COURSEON VEDIC ARITHEMATIC AND APPLICATIONS	ACMAT201	09-11-2020 To 09-01-2021	Department Of Mathematics	A.Naga rani	IB.SC (mpc&mpcs& mscs)	G.PARAMESH	11
						K.KESAVA	25
						P.VARALAKSHMI	32
						K.DEEPTHI SRI	33
						A.VENKATA LAKSHMI	34
						Y.GANGADHARA RAO	37
						S.NAGA LAKSHMI	51
						P.VENKATA SYAM PRASAD	53
						T.RAMESH	56
						G.BABY SAI VARSHITHA	58
						M.NAGA MANI	532
						M.SIKANDAR	533
						M.LOKESH	534
						M. KEERTHI	535
						M.LIKITHA GAYATHRI	536
						M.NAGA CHAITHANYA	537
						N.VENKAYYA SWAMI	539
						N.YAMINI	540

						N.BHARGAVI	542
						N.SATYAVATHI	543
						B.PAVAN	405
						B.SUMATHI	406
						B.YASODA	407
						B.NANDINI	408
						B.HARI PRIYA	409
						B.KAVYA SRI	410
						B. HARI PRIYANKA	412
						B.NAGA SIRISHA	413
						CH.SAI RAM	414
						CH.PRAJWALIKA	415
VALUE ADDED COURSEON BASIC STATISTICS	ACSTT201	10-03-2021 To 09-01-2021	Department Of Statistics	K. APARNA	I B.Com.	KATURI JAYENDRA SATYAVATHI	201
						PARASA SRAVANI	202
						BHIMSING SANDHYA	203
						NAKKABUDDI SUDHEER BABU	204
						PASAM NAGALATHA	205
						NEELAPALA NAGA AYYAPA	206
						KAGITHA BHAGYA RAJA	207
						VEERAMALLU SAI RAM	208
						NERUSU NIRANJAN	209
						NARUDU PURNA GANESH	210
						BHUPATHI NISSY	211
						ISSAVEERA HARI MANIKANTA	212
						DUMPALA MANIKANTA	213
						GORIPARTHI YAGA GOVINDHA RAJU	214

						KARRE SYAM SUNDAR	215
						JUVVANAPUDI VASU	216
						GUNDABATTINA KONDA BABU	217
						GADIDESI KIREETHI	218
						VASIPALLI VIVEK	229
						VEMULA SIVA SHANKAR	220
						DASARI SUNIL BABU	221
						KODALI VAMSI BABU	222
						NIMMAGADDA CHANDU	223
						JUJJAVARAPU PREMKUMAR	224
						ATLURI DURGA BHAVANI	225
ADD-ON COURSE ON REFRIGERATION	18AOCRPHY	19-01-2022 TO 24.02.2022	DEPARTMENT OF PHYSICS	K. ROOPA	MPC	POLUKONDA RAJESH	18AOCRPHY2001
						KANUMURUB KESVA	18AOCRPHY2002
						GOVADA BABY SAI VARSHITHA	18AOCRPHY2003
						PAMIDI NAGA VNKATA SYAM PRASAD	18AOCRPHY2004
						SURAGANI NAGA LAKSHMI	18AOCRPHY2005
						YADLA GANGADHARA RAO	18AOCRPHY2006
						TADANKI MAHESH BABU	18AOCRPHY2007
						GUNTREDDI PARAMESH	18AOCRPHY2008
						BOJJA MANOJ	18AOCRPHY2009
						MADDALA YADEEDHYA SWARAJ	18AOCRPHY2010
						GOLLAPOTHU VINAY KUMAR	18AOCRPHY2011
						MOHAMMAD SIKANDAR	18AOCRPHY2012
						KANDULA PAVANI	18AOCRPHY2013
						BODDU JAMINI	18AOCRPHY2014
						KANCHARLA JYOTHIRMAI	18AOCRPHY2015

						KOLUSU PAVANI	18AOCRPHY2016
						MOTHE LOKESH	18AOCRPHY2017
						NALAPU VENKAYYA SWAMY	18AOCRPHY2018
						MUSINADA LIKITHA GAYATHRI	18AOCRPHY2019
						PENUMAKA JAHNAVI	18AOCRPHY2020
VALUE ADDED COURSE ON LABORATORY SAFETY AND HANDLING OF CHEMICALS	LSHC201	22-02-2020 to 01-04-2020	Department Of Chemistry	T. Padma	I B.sc (mpc)	JOGI VENU MANIKANTA	1
						MASIMUKKU BHARGAVI	3
						SONGALA SIVA RAMAKRISHNA	4
						NANDAM MANISHA	5
						NAGIRIPI RAMU	6
						MEDANKI UDAY KRISHNA	7
						CHADUVULA PAVAN KUMAR	8
						JEERU PRAMEELA	9
						KANDULA NAGA BABU	10
						BANDI LAKSHMI NARAYANA MURTHY	11
						GULLA MAHITHA	12
						RAGHUMANDA NAGA AVINASH	13
						ABDUL SHARIFA	15
						KARETI BHARGAVI PRIYA	16
						DAGANI VAMSI	17
						ASIF BAIG	18
						PULAVARTHI ARUN BABU	19
						KAKARLA UDAY KIRAN	20

						D. KONDALAMMA	32
						J. SAGAR BABU	38
VALUEADDEDCOURSE FINACIAL MANAGEMENT	ACUGCFM201	02-01-2021 to 11-02-2021	DEPARTMENTOF COMMERCE	S.KAVITHA	IIIBCOM (COMP)	J UDAY BHANU	201
						J SREE LAKSHMI	202
						N PAVAN JAGADISH KUMAR	203
						J ANANTA LAKSHMI	204
						Y GOPI KRISHNA	205
						S VAMSI	206
						M VAMSI	207
						J RATNA BABU	211
						B NARESH	217
						T MANEENDRA	220
						Y ANANDKUMAR	222
						N YASWANTH KUMAR	226
						N JYOTHISH	230
						B LILLY	242
						M GWORISRI	243
						M SUBHASH	251
						U HRUDAI	254
						K MANI	256
						C MYNA	257
						V SRIRAM	260
						P RAJU	602
						P PRIYANKA	605
						B SRUTHI	606

						T AMRUTH KUMAR	607
						P RAKESH	608
						P ANUSHA	609
						M SARANYA SAI	610
						M VARALAKSHMI	611
						R GIRESH	616
						K SREE HARSHA	617
						K VEERA BABU	619
VALUE ADDED COURSE ON Business environment	ACECO 201	01-02-2020 to 02-03-2020	Department Of ECONOMICS	A. SRIDEVI	III BA	S. NAGA RAJU	1
						Y. LOKNADH	2
						SK. KARISHMA	3
						J. DINESH KUMAR	4
						G. ANJANEYULU	5
						P. KRISHNA	6
						S. SAI THARUN	7
						G. KALYAN BABU	8
						P. SANDEEP	9
						I. SASI SASIREKHA	10
						P. PRASANTH	11
						N. SONIA	12
						P. AJAYABU	13
						N. SUBRAMANYESWARA RAO	14
						D. SUBRAMANAYAM	15
						CH. KALYAN	16
						CH. SURESH KUMAR	17

						CH. RAVI KIRAN	18
						T. NANI	19
						P. RAJESH	20
						K. SIRI	21
						K. LAKSHMI	22
						K. MAHESH	23
						K. ARUN KUMAR	24
						SK. MAHABOOBSUBHANI	25
VALUE ADDED COURSE ON KAKATIYA HISTORY	ACHIS 201	23-06-2020 to 24-07-2020	Department Of HISTORY	R.VENKAIAH	III BA	S. NAGA RAJU	1
						Y. LOKNADH	2
						SK. KARISHMA	3
						J. DINESH KUMAR	4
						G. ANJANEYULU	5
						P. KRISHNA	6
						S. SAI THARUN	7
						G. KALYAN BABU	8
						P. SANDEEP	9
						I. SASI SASIREKHA	10
						P. PRASANTH	11
						N. SONIA	12
						P. AJAYABU	13
						N. SUBRAMANYESWARA RAO	14
						D. SUBRAMANAYAM	15
						CH. KALYAN	16
						CH. SURESH KUMAR	17

						CH. RAVI KIRAN	18
						T. NANI	19
						P. RAJESH	20
						K. SIRI	21
						K. LAKSHMI	22
						K. MAHESH	23
						K. ARUN KUMAR	24
						SK. MAHABOOBSUBHANI	25
VALUE ADDED COURSE ON HUMAN RIGHT OF INDIA	ACPOL 201	22-02-2020 to 01-04-2020	Department Of POLITICS	A. SUNEETHA	III BA	S. NAGA RAJU	1
						Y. LOKNADH	2
						SK. KARISHMA	3
						J. DINESH KUMAR	4
						G. ANJANEYULU	5
						P. KRISHNA	6
						S. SAI THARUN	7
						G. KALYAN BABU	8
						P. SANDEEP	9
						I. SASISASIREKHA	10
						P. PRASANTH	11
						N. SONIA	12
						P. AJAYABU	13
						N. SUBRAMANYESWARA RAO	14
						D. SUBRAMANAYAM	15
						CH. KALYAN	16
						CH. SURESH KUMAR	17

						CH. RAVI KIRAN	18
						T. NANI	19
						P. RAJESH	20
						K. SIRI	21
						K. LAKSHMI	22
						K. MAHESH	23
						K. ARUNKUMAR	24
						SK. MAHABOOBSUBHANI	25
VALUE ADDED COURSE ON BASIC STATISTICS	ACENG201	22-02-2020 to 01-04-2020	Department Of English	A.Sukheela	I B.Com.	CHADUVULA PAVAN KUMAR	8
						JEERU PRAMEELA	9
						KANDULA NAGA BABU	10
						BANDI LAKSHMI NARAYANA MURTHY	11
						GULLA MAHITHA	12
						RAGHUMANDA NAGA AVINASH	13
						ABDUL SHARIFA	15
						KARETI BHARGAVI PRIYA	16
						DAGANI VAMSI	17
						ASIF BAIG	18
						PULAVARTHI ARUN BABU	19
						KAKARLA UDAY KIRAN	20
						D. KONDALAMMA	32
						J. SAGAR BABU	38
						BOMMASANI KAVYA SRI	410
						BURLA NAGA SIRISHA	413
						GUNDE SIRI	425

						KALEPALLI HARITHA SRI	427
						MOHAMMAD AAKHIL	443
						MUTYALA TEJASWI	445
						PABBISETTY GIRISHMA	450
						PERUMALLA M N VENKAT A SIREESHA	451
						NERSU BHARGAVI	542
						NETHITTI SATYAVATHI	543
						PENUMAKA JAHNAVI	549
VALUE ADDED COURSE ON BASIC STATISTICS	ACENG201	22-02-2020 to 01-04-2020	Department Of English	A.Sukheela	I B.Com.	CHADUVULA PAVAN KUMAR	8
						JEERU PRAMEELA	9
						KANDULA NAGA BABU	10
						BANDI LAKSHMI NARAYANA MURTHY	11
						GULLA MAHITHA	12
						RAGHUMANDA NAGA AVINASH	13
						ABDUL SHARIFA	15
						KARETI BHARGAVI PRIYA	16
						DAGANI VAMSI	17
						ASIF BAIG	18
						PULAVARTHI ARUN BABU	19
						KAKARLA UDAY KIRAN	20
						D. KONDALAMMA	32
						J. SAGAR BABU	38
						BOMMASANI KAVYA SRI	410

						BURLA NAGA SIRISHA	413
						GUNDE SIRI	425
						KALEPALLI HARITHA SRI	427
						MOHAMMAD AAKHIL	443
						MUTYALA TEJASWI	445
						PABBISETTY GIRISHMA	450
						PERUMALLA M N VENKAT A SIREESHA	451
						NERSU BHARGAVI	542
						NETHITTI SATYAVATHI	543
						PENUMAKA JAHNAVI	549

YEAR–4-2019-20

(ADDITIONALINFO.–STUDENTS LIST WITH NAMES & ROLL No)

Year-4-2019-20							
Certificate/value Added Courses	**Course Code**	**DATES**	**OFFERED BY**	**LECTURER IN-CHARGE**	**CLASS**	**NAME OF THE STUDENT**	**REGD.No.**
VALUE ADDED COURSE ON INTRODUCTION TO PYTHON PROGRAMMING	ACUGCS191	19-08-2019 to 28-09-2019	UG DEPARTMENT OF COMPUTER SCIENCE	CH.MALLIKA	UG COMPUTERS	ANKEM ANUPAMA	19105302
						CHITTURI DILEEP PAVAN KUMAR	19105311
						DHADI PRASANNA	19105313
						GEDELA SRAVANI	19105315
						KANUMURI NAGA PHANI KUMAR	19105322
						KOVVURU MANIKANTA	19105323
						NANUPATRUNI KALYAN	19105327
						NERUSU SANDHYA	19105331
						PERAM KALYANI	19105335
						VURA DHANA SRI NAGA BALA PADMA PRIYA	19105349
						AVULA LAKSHMI NAGA SAI	19105505
						GAJULA SOUMYA DURGA	19105513
						GOVADA POORNIMA	19105518
						KATURI SIRI	19105525
						KONDA RADHAMMA	19105527
						NARA LAKSHMI TULASI	19105536
						PILLA JOSHITHA	19105542
						SHAIK ASMA	19105548
						SHAIK BIBI FATHIMABI	19105549
						TUMMALA LAKSHMI SUSMITHA	19105557
						ABDUL ANSAR	19105605
						BHEEMSING PADMAVATHI	19105607
						ENIKEPALLI SAI PRAMOD	19105613

						KAKANI SRINIVAS	19105619
						MODADUGU PUJA NAGASRIVALLIKA DURGANANCHARI	19105629
						MUDRA RAAGA VAISHNAVI	19105630
						PAILA DHANUSRI	19105636
						RAGAM SIVA BHARGAVI	19105647
						SAMMETA THANUJA	19105650
						VELAGALA VASANTHI	19105664
VALUE ADDED COURSE ON MACHINE LEARNING	ACPGCS191	10-10-2019 to 14-12-2019	PG DPARTMENT OF COMPUTERS	A DURGA BHAVANI	MCA & MSc(CS)	ACHANTA HARI DURGA JYOTHI	19055002
						BALAGAM MURALI KRISHNA	19055003
						BODDAPATI SYAMALA	19055005
						KURALLA JYOTHIRMAYEE	19055009
						ORUGANTI YAMINI	19055013
						PALLAPOTU HARIKA	19055014
						REGANA GANDHI	19055016
						SINGANAPALLI NAGA SAI	19055018
						VEMAVARAPU DIVYA	19055021
						ABDUL SHAHIN SULTHANA	19055022
						UMMALETI NIKHIL	19055025
						ANKEM VENU GOPAL	19056001
						KOSURU MANASA	19056008
						PADAMATA RAMYA	19056011
						PASUPULETI ANUSHA	19056014
						VATTEM SOWJANYA	19056019
						VINNAKOTA HARINI	19056021

						YALAMANCHILI DEVASRI	19056022
						KODALI RAJA	19056007
						VEERLA SRAVANI	19056020
Soil Analysis	ACPGCHE191	01.02.19 to 01-04-2019	PG DEPARTMENTOF Chemistry	D. Vimala Kumari	M.Sc., chemistryt	KALLEPALLIPRAVALLIKA	18057001
						POTHARLANKA GIRISH PHANIKUMAR	18057002
						MOHAMMAD HASEEBURREHAMAN	18057003
						BIRUDUGADDA RIBKA	18057004
						MANIKONDASHOBHITHA	18057005
						PAVULURIDEVATEJA	18057006
						GOLLASANDHYARANI	18057007
						KANDULA RADHA	18057009
						CHITTURIKONDABABU	18057010
						TATTIKOLA DURGA RAO	18057011
						CHINADEVARAMAHINDRA	18057012
						BOMMANABOYINARAMANJANEYULU	18057013
						AKURATHISIVA KUMAR	18057014
						TALARINAGASUBBA RAO	18057015
						RAVULA ANUSHA	18057016
						YALANGIRAJA	18057018
						GAMPA ANJANIDEVI	18057019
						KAREDLATHANUJA	18057021
						PAIDIKOMALI	18057022
						MAREEDU AVISHMA	18057023
						CHINTAAKHILANDESWARI	18057024
						SWARNALATHA BOGADI	18057025
						GANGULA NAGESH BABU	18057026

						VETCHA VISALAKSHIRATNAMOUNIKA	18057027
						PALLAPOTHU NAGAHEMACHANDRIKA	18057028
						GUNTUPALLIDURGASAIRAM	18057029
						PARASA NAGASRINIVAS	18057030
VALUE ADDED COURSE ON EFFECTIVE PUBLIC SPEAKING	ACMBA191	19-09-2019 TO 08-11-2019	P.G.Department of Business Administration	V.Nagendra Kumar	MBA	K.PRASANARANI	101
						D.LAVANYA	103
						M.V.S.N.H.S.PRIYANKA	104
						T.JAGADEESHKUMAR	105
						P.VENKATA HARSHINI	106
						A.ROJA	107
						O.RAMADEVI	109
						C.D.S.V45.VENUGOPAL	110
						M.HARINATH	112
						M.BANUJA	113
						P.PRABAVATHI	114
						C.S.N.LAKSHMI	119
						SHAIK ZAVID	121
						M.SIVAPAVAN	122
						B.D.LAKSHMI	124
						B.HAREESH	125
						SHAIK KATTIJABI	126
						K.N.S.V.PRASAD	127
						C.PADMAVATHI	130
						P.SUBRAMANYAM	302
						C.KEZIAH	304
						K.JYOTHIKA	309
						I.MANISHA	310

						V.RAMAKRISHNA	313
						P.DIVYA	317
						D.N.S.RAMYA	318
						L.NAGABABU	320
						SHAIK SHAMSHUNNISA	324
						P.MAHALAKSHMI	325
						M.MADHUKIRAN	343
						B.SAIRAM	344
						A.GEETHA	346
						D.SRIVALLI	347
						B.ADITYAVARDHAN	349
						K.CHARANRATNADEV	350
						A.NANDINI	351
VALUE ADDED COURSEON VEDIC ARITHEMATIC AND APPLICATIONS	ACMAT191	26-08-2019 TO 24-10-2019	Department Of Mathematics	J.Priyanka	IB.Sc.(MPC&MPCs&mscs)	J.VEENU MANIKANTA	1
						M.BHARGAVI	3
						S.SIVA RAMA KRISHNA	4
						N.MANISHA	5
						N.RAMU	6
						M.UDAY KRISHNA	7
						K.NAGA BABU	10
						K.BHARGAVI PRIYA	16
						B.DURGA PRASAD	30
						D.KONDALAMMA	32
						CH. NAVYA SREE	410
						D . AKSHAYA DEEPTHI	411
						E.SAI PRAMOD	413

						J.MOHAN KISHORE	416
						J.SIREESHA	417
						K.LAKSHMI SIRISHA	422
						K.RENUKA	423
						M.TEJA BABU	427
						M.RAAGA VAISHNAVI	430
						N.HEMA LATHA SRI	433
						A .MOUNIKA	504
						B.D.V.MANIKANTA	507
						B. DEVI SIRISHA	508
						B.JAHNAVI	509
						CH. RAJA SRI	510
						G.SOUMYA DURGA	513
						G.POORNIMA	518
						K.SRAVANTHI	523
						K.RADHAMMA	527
						M.GAYATHRI	533
						B.SAIRAM	344
						A.GEETHA	346
						D.SRIVALLI	347
						B.ADITYAVARDHAN	349
						K.CHARANRATNADEV	350
						A.NANDINI	351
VALUE ADDED COURSEON DESCRIPTIVE STATISTICS	ACSTT191	10-12-2019 TO 02-02-2020	Department Of Statistics	K. APARNA	IB.Sc.(MPC&MPCs)	JOGI.VENU MANIKANTA	1
						MASIMUKKU.BHARGAVI	3
						SONGALA.SIVA RAMAKRISHNA	4

						NANDAM.MANISHA	5
						NAGARIPI.RAMU	6
						MEDANAKI.UDAY KRISHNA	7
						CHADUVULA.PAVAN KUMAR	8
						JEERU.PREMEELA	9
						KANDULA.NAGA BABU	10
						BANDI.LAKSHMI NARAYANA MURTHY	11
						GULLA.MAHITHA	12
						RAGHUMANDA.NAGA AVINASH	13
						AMBATI.SUJATHA	501
						ANDE.SYAM KISHORE	502
						ANKEM.SAIBABU	503
						APPIKONDA.MOUNIKA	504
						AVULA.LAKSHMI NAGA SAI	505
						BALA.NAGA NEELIMA	506
						BOMIDI.DASA VEERA MANIKANTA	507
						BOMMANAPALLI.DEVI SIRISHA	508
						BORRA.JHANAVI	509
						CHEEKURTHI.RAJASRI	510
						DOKKU.VEERA VISHNAVI	511
						GADE.NAGASAIKUMAR	512
						GAJULA.SOUMYADURGA	513
ADD-ON COURSE ON REFRIGERATION	18AOCRPHY	25-11-2019 TO 04.01.2020	DEPARTMENT OF PHYSICS	B. SRIDEVI	MPC	JOGI VENU MANIKANTA	18AOCRPHY1901
						KARETI BHARGAVI PRIYA	18AOCRPHY1902
						KANDULA NAGA BABU	18AOCRPHY1903

						NANDAM MANISHA	18AOCRPHY1904
						KAGITHA VANAJA	18AOCRPHY1905
						KUMPATI SANDHYA	18AOCRPHY1906
						JANGAM SAGAR BABU	18AOCRPHY1907
						MENDANKI UDAY KUMAR	18AOCRPHY1908
						SONGALA SIVA RAMA KRISHNA	18AOCRPHY1909
						GULLA MAHITHA	18AOCRPHY1910
						KATURI SIRI	18AOCRPHY1911
						GADE NAGA SAI KUMAR	18AOCRPHY1912
						BORRA JAHNAVI	18AOCRPHY1913
						APPIKONDA MOUNIKA	18AOCRPHY1914
						MUDDINENI GAYATHRI	18AOCRPHY1915
						TULLALA LAKSHMI SUSMITHA	18AOCRPHY1916
						YARAJARLA RAMYA SRI	18AOCRPHY1917
						SUNKARA THARAK RAM	18AOCRPHY1918
						PILLA JOSHITHA	18AOCRPHY1919
						MUVVALA SINDHUJA	18AOCRPHY1920
VALUE ADDED COURSE ON GREEN CHEMISTRY	GRC191	19-08-2019 to 28-09-2019	Department Chemistry	M.Sojanya	IB.Sc.(MPC)	S. CHIRANJEEVI	1
						CH. RAMU	3
						A. MANASA	4

						N. DURGA PRASAD	5
						P . MANASA	6
						P. KALPANA	7
						J. VENKATA SAI VARA PRASAD	8
						CH. SRAVANI	9
						M.SURESH	10
						T. VENKATARATNAM	11
						M.ESWARAMMA	12
						A.YAMINI	13
						CH. NAGASAI	501
						MD.MOBINA	502
						P.VIJAY	503
						B.SAIKUMAR	504
						M.ABHISHEK	505
						P.VENKATA NAGA DURGARAO	506
						S.VINODBABU	507
						P.SATHISH	508
VALUEADDEDCOURSE HUMAN RESOURCE MANAGEMENT	ACUGCHRM191	01-11-2019 to 28-12-2019	DEPARTMENTOF COMMERCE	M.KALYANI	IIIBCOM (COMP)	PEDAMALLU.VENKATA ABHIRAM GUPTA	601
						ADAPA. HARIKA	602
						LANKAPALLI. MANASA	603
						KASA.TARUN SAI VENKAT	604
						CHINTALA. RAMYA	605
						KUNAPAREDDY. DEEPIKA	606
						JALLURI.B.S.N.L.KUMARI	607

						CHALUVADI.NAGA NAGA VENKATA PAVAN KUMAR	608
						GONUGUNTA. SAI RAVIKANTH	609
						KAMARAJU. VEERESH	611
						KATURI.SRI DIVYA	612
						KOTHA.J.S.S.V.G.MEGHANA	614
						DANDIPORLU. BARNBA	615
						KOLA. DURGA BHAVANI	201
						SAGURI.KAVYA	203
						SADARABOINA.NAGA BHUPATHI RAO	208
						PARISELLI. SISINDRI	212
						GEDDAM. RANTA BHUSHANAM	214
						YALLAMILLI.PRADEEP	215
						JANGAM.AJAY BABU	216
						CHITTAJALLU. DHANUMJAYA RAO	218
						LELLA. MAHENDRA	219
						MADDALA.AVINASH	220
						PALANUCHU.VEERA NAGA HANUMAN	221
						JUJJAVARAPU.MARUTHI RAM	225
						HANUMANTHU.MURALI NAGA RAJU	226
						PONDURU.BHARGAV RAM	228
						YADAVALLI. GOPI	229
						KARNATI.NETHRANAND	230

VALUE ADDED COURSE ON Business environment	ACECO181	24-06-2019 to 25-07-2019	Department Of ECONOMICS	K.VENUMADHAVA RAO	III BA	M. VASUDHA	2
						R. LAKSHMI TEJASWINI	3
						T. RAJITHA	4
						M. KUMARI	5
						K. PAVANI	6
						J.DURGA BHAVANI	7
						CH. SANDEEP	8
						K. PRABHU KIRAN	9
						V. SRAVANTHI	10
						SK. MUNEERA	11
						Y.GANAPATHI	12
						B. VISHNU	13
						N. LAKSHMANA RAO	14
						G. SUNDEEP	15
						Y. RATNA RAO	16
						G. LAKSHMI SUDHA RANI	17
						K. SATYAVATHI	18
						G. MAHIMA RAJU	19
						CH. LOORDHU MARY	21
						K.SAIKIRAN	22
						P. BALA BOSU	23
						V. DURGA PRASAD	24
						R.NARENDRA NADH	25

VALUE ADDED COURSE ON KAKATIYA HISTORY	ACHIS181	10-10-2019 to 12-11-2019	Department Of HISTORY	R.VENKAIAH	III BA		
						M. VASUDHA	2
						R. LAKSHMI TEJASWINI	3
						T. RAJITHA	4
						M. KUMARI	5
						K. PAVANI	6
						J.DURGA BHAVANI	7
						CH. SANDEEP	8
						K. PRABHU KIRAN	9
						V. SRAVANTHI	10
						SK. MUNEERA	11
						Y.GANAPATHI	12
						B. VISHNU	13
						N. LAKSHMANA RAO	14
						G. SUNDEEP	15
						Y. RATNA RAO	16
						G. LAKSHMI SUDHA RANI	17
						K. SATYAVATHI	18
						G. MAHIMA RAJU	19
						CH. LOORDHU MARY	21
						K.SAIKIRAN	22
						P. BALA BOSU	23
						V. DURGA PRASAD	24
						R.NARENDRA NADH	25

						M. SUBHA CHAITANYA	26
VALUE ADDED COURSE ON HUMAN RIGHT OF INDIA	ACPOL181	19-08-2019 to 28-09-2019	Department Of POLITICS	A. SUNEETHA	III BA		
						M. VASUDHA	2
						R. LAKSHMI TEJASWINI	3
						T. RAJITHA	4
						M. KUMARI	5
						K. PAVANI	6
						J.DURGA BHAVANI	7
						CH. SANDEEP	8
						K. PRABHUKIRAN	9
						V. SRAVANTHI	10
						SK. MUNEERA	11
						Y.GANAPATHI	12
						B. VISHNU	13
						N. LAKSHMANA RAO	14
						G. SUNDEEP	15
						Y. RATNA RAO	16
						G. LAKSHMI SUDHA RANI	17
						K. SATYAVATHI	18
						G. MAHIMARAJU	19
						CH. LOORDHU MARY	21
						K.SAIKIRAN	22

						P. BALABOSU	23
						V. DURGA PRASAD	24
						R.NARENDRANADH	25
						M. SUBHACHAITANYA	26
VALUE ADDED COURSE ON DESCRIPTIVE STATISTICS	ACENG191	19-08-2019 to 28-09-2019	Department OfEnglish	Ch.Prakash	IB.Sc.(MPC&MPCs)	M.ESWARAMMA	22
						A.YAMINI	23
						CH. NAGASAI	24
						MD.MOBINA	25
						P.VIJAY	26
						B.SAIKUMAR	27
						M.ABHISHEK	28
						P.VENKATA NAGA DURGARAO	35
						AVULA LAKSHMI NAGA SAI	505
						GAJULA SOUMYA DURGA	513
						GOVADA POORNIMA	518
						KATURI SIRI	525
						KONDA RADHAMMA	527
						NARA LAKSHMI TULASI	536
						PILLA JOSHITHA	542
						ANKEM ANUPAMA	602
						CHITTURI DILEEP PAVAN KUMAR	611
						DHADI PRASANNA	613
						GEDELA SRAVANI	615
						KANUMURI NAGA PHANI KUMAR	622

						KOVVURU MANIKANTA	623
						NANUPATRUNI KALYAN	627
						NERUSU SANDHYA	631
						PERAM KALYANI	635
						VURA DHANA SRI NAGA BALA PADMA PRIYA	649
VALUE ADDED COURSE ON DESCRIPTIVE STATISTICS	ACENG191	19-08-2019 to 28-09-2019	Department Of English	Ch.Prakash	IB.Sc.(MPC&MPCs)	M.ESWARAMMA	22
						A.YAMINI	23
						CH. NAGASAI	24
						MD.MOBINA	25
						P.VIJAY	26
						B.SAIKUMAR	27
						M.ABHISHEK	28
						P.VENKATA NAGA DURGARAO	35
						AVULA LAKSHMI NAGA SAI	505
						GAJULA SOUMYA DURGA	513
						GOVADA POORNIMA	518
						KATURI SIRI	525
						KONDA RADHAMMA	527
						NARA LAKSHMI TULASI	536
						PILLA JOSHITHA	542
						ANKEM ANUPAMA	602
						CHITTURI DILEEP PAVAN KUMAR	611
						DHADI PRASANNA	613
						GEDELA SRAVANI	615
						KANUMURI NAGA PHANI KUMAR	622

						KOVVURU MANIKANTA	623
						NANUPATRUNI KALYAN	627
						NERUSU SANDHYA	631
						PERAM KALYANI	635
						VURA DHANA SRI NAGA BALA PADMA PRIYA	649

YEAR–5-2018-19

(ADDITIONAL INFO.–STUDENTS LIST WITH NAMES & ROLL.No)

Year-5-2018-19							
Certificate/value Added Courses	**Course Code**	**DATES**	**OFFERED BY**	**LECTURER IN-CHARGE**	**CLASS**	**NAME OF THE STUDENT**	**REGD.No.**
VALUE ADDED COURSE ON INTRODUCTION TO PYTHON PROGRAMMING	ACUGCS181	07-08-2018 to 22-09-2018	UG DEPARTMENT OF COMPUTER SCIENCE	CH.MALLIKA	UG COMPUTERS	PAMIDI PAVANI	18105301
						MAHALI SARANYA SAI	18105310
						MAKARAJU VARA LAKSHMI	18105311
						YARAJARLA TEJA SRI	18105314
						KUSU SREE HARSHA	18105317
						KOLLIBOYINA NIKHIL	18105322
						PALVADI NAGA SOUJANYA	18105329
						P. LAKSHMI MADHURI PRASANNA	18105334
						DARISI VENKATA DEEPTHI	18105340
						LUKKA BHAVANA	18105348
						VASA MOHANA N. VENKATA VARA LAKSHMI	18105501
						VASA MOUNIKA NAGA RANI	18105503
						KONDRAJU DIVYA BHARGAVI	18105508
						KOLUSU PUJITHA	18105512
						REDDY JHANSI RANI	18105519
						PENUMUDI JYOTHIKA	18105522
						POLIPALLI DURGA BHAVANI	18105526
						KANDULA VENKATA NAGA SAI RAM	18105542
						VANGURI JAGADEESH	18105544
						NUTAKKI JANAKI RAMUDU	18105566
						VINNAKOTA TAGORE PAVAN KUMAR	18105607
						KARPURAM ANUSHA	18105619
						VOORA KUNDANA	18105622

						S.BHARGAVI SAROJANAIDU	18105626
						ABDUL NOORJAHAN	18105629
						PILLA MAMATHA	18105632
						GOLLAPUDI NAVEEN SAI	18105636
						DEEVI JAHNAVI VENKATA LATHA	18105639
						MADDALA POOJITHA	18105647
						MEDEPALLI SUVARNA BHARATHI	18105649
VALUE ADDED COURSE ON PROBLEM SLOVING USING PYTHON PROGRAMMING	ACPGCS181	28-08-2018 to 27-8-2018	PG DPARTMENT OFCOMPUTERS	T VEENA	MCA & MSc(CS)	G BHAGYA LAKSHMI	Y17MCA105003
						A SAI RAJA SRI	Y17MCA105001
						S D S D TEJA SRI	Y17MCA105009
						K HEMANTH KUMAR	Y17MCA105005
						P MOUNICA	Y17MCA105007
						VVVNS RAMA KRISHNA	Y17MCA105010
						B PRIYANKA	Y17MCA105002
						B SAI	L18MCA105001
						K AKHIL	L18MCA105010
						T VENKATESH	L18MCA105003
						D MOHANA MANIKANTHA	L18MCA105004
						K SWARUPA	L18MCA105005
						K SIVA KALYANI	L18MCA105013
						G UMAMAHESWARI	18056001
						B LAVANYA	18056002
						B SIVA RAMA	18056003
						G DIVYA	18056006
						G JAYA SARIKA	18056007
						KGEETA NAGA DURGA SAHITHI	18056008
						M SUDHAKAR	18056009

						V LEELA PRASANTHI	18056010
Renewable Energy	ACPGCHE181	03.09.18 to 04-11-18	PG DEPARTMENTOF Chemistry	B. Sambasiva rao	M.Sc., chemistryt	KALLEPALLIPRAVALLIKA	18057001
						POTHARLANKA GIRISH PHANIKUMAR	18057002
						MOHAMMAD HASEEBURREHAMAN	18057003
						BIRUDUGADDA RIBKA	18057004
						MANIKONDASHOBHITHA	18057005
						PAVULURIDEVATEJA	18057006
						GOLLASANDHYARANI	18057007
						KANDULA RADHA	18057009
						CHITTURIKONDABABU	18057010
						TATTIKOLA DURGA RAO	18057011
						CHINADEVARAMAHINDRA	18057012
						BOMMANABOYINARAMANJANEYULU	18057013
						AKURATHISIVA KUMAR	18057014
						TALARINAGASUBBA RAO	18057015
						RAVULA ANUSHA	18057016
						YALANGIRAJA	18057018
						GAMPA ANJANIDEVI	18057019
						KAREDLATHANUJA	18057021
						PAIDIKOMALI	18057022
						MAREEDU AVISHMA	18057023
						CHINTAAKHILANDESWARI	18057024
						SWARNALATHA BOGADI	18057025
						GANGULA NAGESH BABU	18057026
						VETCHA VISALAKSHIRATNAMOUNIKA	18057027
						PALLAPOTHU NAGAHEMACHANDRIKA	18057028

						GUNTUPALLIDURGASAIRAM	18057029
						PARASA NAGASRINIVAS	18057030
VALUE ADDED COURSE ON Intellectual Property Rights	ACMBA181	1-8-2018 TO 06-09-2018	P.G. Department of Business Administration	Smt. M.B.Suvarchala	MBA I year	K.LAKSHMI PRASANNA	101
						P.NAGA SANDYA	102
						P.NAGA SRIVILLA	103
						A.SAI BHAVANI	104
						D.MURALI KRISHANA	105
						G.K.KRISHNA PRASAD	107
						CH.DHANA LAKSHMI	108
						B.VAMSI KRISHNA	109
						T.VEERA LAKSHMAN	110
						U.RAVI KIRAN	111
						K.ABILASH KUMAR	112
						J.SAI BABU	113
						N.SAI SINDHU PRIYA	114
						O.RAJA BABU	116
						G.SAI SARANYA	117
						G.SRAVANI	118
						CH.SRINU	119
						P. ANIL	102
						K.SRAVANI	122
						B.SHINY	301
						T.V .PAVAN KUMAR	303
						M.HEMA LATHA	307
						A.SRINIVAS REDDY	309
						G.BALA KRISHNA	312
						N.RAMYASRI	313
						A.NAGA SRAVANI	315

						E.NAGAANJAYA KUMAR	319
						K.KRISHNA SRI	323
						Y.SHIVANAADA GANESH	324
						K.DRUGAMMA	325
						K. JYOTHI	327
						T.PRAVALLIKA	343
						SHAIK KALIK	344
						MD.RAHIMUNNISA BEGUM	345
						CH.SIVA TEJA	347
VALUE ADDED COURSE ON VEDIC ARITHEMATIC AND APPLICATIONS	ACMAT181	29-10-2018 TO 21-12-2018	Department Of Mathematics	A.Naga rani	IB.Sc.(MPCs& MPC&mscs)	K.DIVYA SAHITHI	502
						V. MOUNIKA NAGA RANI	503
						V. JAYA CHAMDRIKA	517
						G. SONIYA BHARGAVI	523
						B.DIVYA KUMARI	537
						V.JAGADEESH	544
						J.HARSHA	551
						B.THERISA	552
						K.LOKESHMMA	561
						K. SAI AKHIL	564
						S.GANANA KUMARI	402
						G.V.V.N.SASI VENU	403
						T.ANJANA DEVI	404
						K.ANUSHA	419
						S. BHARGAVI SAROJA NAIDU	426
						G.SWETHA	428
						ABDUL.NOORJAHAN	429
						P.SANDHYA	430
						CH.VASAVI MOUNIKA	431

						P.MAMATHA	432
						M. MANJEERA KISHORE	1
						M.MAHESWARI	2
						M.DIVYA SREE SAI	3
						S.CHIRANJEEVI	4
						A.MANASA	6
						B.GAYATHRI DEVI	7
						N.DURGA PRASAD	8
						SK.MUNNISA	11
						CH. CHANDU	13
						N. PREM CHAND	14
						K. JYOTHI	327
						T.PRAVALLIKA	343
						SHAIK KALIK	344
						MD.RAHIMUNNISA BEGUM	345
						CH.SIVA TEJA	347
VALUE ADDED COURSE ON DESCRIPTIVE STATISTICS	ACSTT181	15-11-2018 TO 05-01-2019	Department Of Statistics	K.Seetha Maha Lakshmi	IB.Sc.(MPCs& MPC)	VASA MOHANA .N.VENKATA VARA LAKSHMI	501
						KOLLIPARA.DIVYA SAHITHI	502
						VASA. MONIKA NAGA RANI	503
						RAVVA.NAGA SAI HAREESH	505
						CHEVITI .BHAVANI	506
						THOKALA.DEEPTHIKA	507
						KONDARAJU.DIVYA BHARAGAVI	508
						ABDUL .RESHMA SULTANA	509
						NAAZEEN.BEGUM	510
						KOLUSU. PUJITHA	512
						MADDALA.PRASHANTI KUMARI	513

						DASARI.DHARAMARAJU	515
						VINNAKOTA.JAYA CHANDRIKA	517
						MASIMUKKU.MANJEERA KISHORE	1
						MANIKONDA.MAHESWARI	2
						MTTIPALLI.DIVYA SREE SAI	3
						SEEMALA.CHIRANJEEVI	4
						CHINTALA.RAMU	5
						ANAGANI.MANASA	6
						BOKKA.GAYATRI DEVI	7
						NAIDU.DURGA PRASAD	8
						PANDRAJU.MANASA	9
						NAKKA.PRAVEEN	10
						SHAIK.MUNNISA	11
						KOLLURI.RAMESH	12
ADD-ON COURSE ON REFRIGERATION	18AOCRPHY	04-12-2018 TO 22.01.2019	DEPARTMENT OF PHYSICS	R.N.A. PARASAD	MPC	MASIMUKKU MANJEERA KISHORE	18AOCRPHY1801
						MANIKONDA MAHESWARI	18AOCRPHY1802
						MITTAPLLI DIVYA SREE SAI	18AOCRPHY1803
						VEERAMALLU BHANU PRAKASH	18AOCRPHY1804
						BATTIPATI SAHITHI DURGA	18AOCRPHY1805
						JAMPANA PADMINI	18AOCRPHY1806
						JALASUTHRAM VENKATA SAI VARA PRASAD	18AOCRPHY1807
						MANDALA ANUSHA	18AOCRPHY1808
						PARUCHURI KALPANA	18AOCRPHY1809
						NAIDU DURGA PRASAD	18AOCRPHY1810
						NUTAKKI JANAKI RAMUDU	18AOCRPHY1811
						VINNAKOTA JAYA CHANDRIKA	18AOCRPHY1812
						KONDAPALLI SUBRAHMANYA SRINIVAS	18AOCRPHY1813

						REDDY JHANSI RANI	18AOCRPHY1814
						VASA MOUNIKA NAGA RANI	18AOCRPHY1815
						VASA MOHANA N. VENKATA VARA LAKSHMI	18AOCRPHY1816
						KOLLIPARA DIVYA SAHITHI	18AOCRPHY1817
						DAMINENI HEMANTH KUMAR	18AOCRPHY1818
						VELAMARTHI SYAMALA	18AOCRPHY1819
						DIVI RAASI	18AOCRPHY1820
VALUE ADDED COURSE ON Food adulteration	FAD181	07-08-2018 to 22-09-2018	Department Chemistry	K.Sudhakar	IB.Sc.(MPC)	M. MANJEERA KISHORE	1
						M. MAHESWARI	3
						M. DIVYA SRISAI	4
						B. GAYATH DEVI	5
						N. PRAVEEN	6
						K: RAMESH	7
						CH. CHANDU	8
						N. PREMCHAND	9
						SIVASANKAR	10
						P. YAMINI	11
						CH. BABY SRAVANI	12
						J. PADMINI	13
						V. BHANA PRAKASH	501
						B.SAHITHI DURGA	502
						P.N.V.RANGA VAMSI	503
						M. ANUSHA	504
						K. RAJESWARI	505

						K,VAMSI	506
						B. HEMANTH	507
						D. VENKATESH	508
VALUEADDEDCOURSE TALLY	ACUGCT181	01-12-2018 to 22-01-2019	DEPARTMENTOF COMMERCE	A.GREESHMA	IIIBCOM(Gen)	V.MADHURI	201
						M.LAVANYA	202
						S.ANIL KUMAR	206
						B.PHANEENDRA	211
						B.PRASANNA KUMAR	217
						J.AMAR BABU	219
						T.BABJEE	224
						G.DEVARAJU	225
						G.PRASSANNA KUMARI	229
						S.N.V.PEDDI RAJU	230
						B.NAVEEN KUMAR	231
						SHAIK NAGEENA	235
						N.S.SUBRAMANYAM	238
						M.ANJALI DEVI	240
						I.RANJITH KUMAR	243
						P.SUVARANA	245
						J.KISHORE	248
						I.NAVEEN BABU	251
						P.VIJAY	257
						G.SWAMY	258
						B.DURGA BHAVANI	260
						T.HIMA BINDU	601

						T.VINAY KUMAR	602
						Y.V.N.SANDHYA	603
						K.BHARGAVI	605
						K.BHAVANI	606
						K.DHARANI	607
						V.TEJA	615
						A.MISRITHA	617
						SHAIK KHATITABI	619
						K.BINDHU MADHAVI	621
						N.MOHANA KUMARI	623
						K.MOUNIKA	625
						D,.RAJESWARI	630
						V.HARIKA	632
						P.ROSHINI	635
						A.ROJA	638
						J.SIVA SAMBHASIVARAO	640
VALUE ADDED COURSE ON Business environment	ACECO181	04-10-2018 to 05-11-2018	Department Of ECONOMICS	K. VENUMADHAV A RAO	III BA	K. VIJAY KUMAR	1
						M. RENUKESWARE RAO	2
						D. PRUDHAVIRAJ	4
						M. RAJA RAJESWARI	5
						K. PRABHU KIRAN	6
						V. MADHULATHA	8
						U. DIVYA	9
						K.BALA KIRAN	10
						V. RAJ KUMAR	12
						T. SIRISHA	13
						K. LAKSHMOJI	14

						D. NAGABABU	16
						M. INDU	17
						K. PRAVEENA	19
						D. SRIKANTH	20
						M. RAMULU	21
						B. KARUNA JYOTHI	22
						P. DIVYA VANI	23
						N. AASA	24
						A. SURENDRA KRISHNA	25
						K. VIJAY KUMAR	26
						M. RENUKESWARE RAO	27
						D. PRUDHAVIRAJ	28
						M. RAJA RAJESWARI	29
						K. PRABHU KIRAN	30
VALUE ADDED COURSE ON KAKATIYA HISTORY	ACHIS181	22-01-2018 to 26-02-2018	Department Of HISTORY	R.VENKAIAH	III BA	K. VIJAY KUMAR	1
						M. RENUKESWARE RAO	2
						D. PRUDHAVIRAJ	4
						M. RAJA RAJESWARI	5
						K. PRABHU KIRAN	6
						V. MADHULATHA	8
						U. DIVYA	9
						K.BALA KIRAN	10
						V. RAJ KUMAR	12
						T. SIRISHA	13
						K. LAKSHMOJI	14

						D. NAGABABU	16
						M. INDU	17
						K. PRAVEENA	19
						D. SRIKANTH	20
						M. RAMULU	21
						B. KARUNA JYOTHI	22
						P. DIVYA VANI	23
						N. AASA	24
						A. SURENDRA KRISHNA	25
						K. VIJAY KUMAR	26
						M. RENUKESWARE RAO	27
						D. PRUDHAVIRAJ	28
						M. RAJA RAJESWARI	29
						K. PRABHU KIRAN	30
VALUE ADDED COURSE ON HUMAN RIGHT OF INDIA	ACPOL181	07-08-2018 to 22-09-2018	Department Of POLITICS	A. SUNEETHA	III BA	K. VIJAY KUMAR	1
						M. RENUKESWARE RAO	2
						D. PRUDHAVIRAJ	4
						M. RAJA RAJESWARI	5
						K. PRABHUKIRAN	6
						V. MADHULATHA	8
						U. DIVYA	9
						K.BALAKIRAN	10
						V. RAJ KUMAR	12
						T. SIRISHA	13
						K. LAKSHMOJI	14

						D. NAGABABU	16
						M. INDU	17
						K. PRAVEENA	19
						D. SRIKANTH	20
						M. RAMULU	21
						B. KARUNAJYOTHI	22
						P. DIVYAVANI	23
						N. AASA	24
						A. SURENDRA KRISHNA	25
						K. VIJAY KUMAR	26
						M. RENUKESWARE RAO	27
						D. PRUDHAVIRAJ	28
						M. RAJA RAJESWARI	29
						K. PRABHUKIRAN	30
VALUE ADDED COURSE ON DESCRIPTIVE STATISTICS	ACENG181	28-08-2018 to 27-10-2018	Department Of English	A.Sukheela	IB.Sc.(MPCs& MPC)	KANCHARLA AJAY KUMAR	15
						BOJJA MANOJ	21
						G BHASKARA SAI ANJANEYA MANIKANTA	22
						MURALA SAI SUBRAMANYA PRASAD	23
						KANUMURU KESAVA	25
						MADDALA YADEEDHYA SWARAJ	26
						VASA MOHANA N. VENKATA VARA LAKSHMI	501
						VASA MOUNIKA NAGA RANI	503
						KONDRAJU DIVYA BHARGAVI	508
						KOLUSU PUJITHA	512

						REDDY JHANSI RANI	519
						PENUMUDI JYOTHIKA	522
						POLIPALLI DURGA BHAVANI	526
						KANDULA VENKATA NAGA SAI RAM	542
						VANGURI JAGADEESH	544
						NUTAKKI JANAKI RAMUDU	566
						PAMIDI PAVANI	601
						MAHALI SARANYA SAI	610
						MAKARAJU VARA LAKSHMI	611
						YARAJARLA TEJA SRI	614
						KUSU SREE HARSHA	617
						KOLLIBOYINA NIKHIL	622
						P. LAKSHMI MADHURI PRASANNA	634
						DARISI VENKATA DEEPTHI	640
						LUKKA BHAVANA	648
VALUE ADDED COURSE ON DESCRIPTIVE STATISTICS	ACENG181	28-08-2018 to 27-10-2018	Department Of English	A.Sukheela	IB.Sc.(MPCs& MPC)	KANCHARLA AJAY KUMAR	15
						BOJJA MANOJ	21
						G BHASKARA SAI ANJANEYA MANIKANTA	22
						MURALA SAI SUBRAMANYA PRASAD	23
						KANUMURU KESAVA	25
						MADDALA YADEEDHYA SWARAJ	26
						VASA MOHANA N. VENKATA VARA LAKSHMI	501
						VASA MOUNIKA NAGA RANI	503
						KONDRAJU DIVYA BHARGAVI	508

						KOLUSU PUJITHA	512
						REDDY JHANSI RANI	519
						PENUMUDI JYOTHIKA	522
						POLIPALLI DURGA BHAVANI	526
						KANDULA VENKATA NAGA SAI RAM	542
						VANGURI JAGADEESH	544
						NUTAKKI JANAKI RAMUDU	566
						PAMIDI PAVANI	601
						MAHALI SARANYA SAI	610
						MAKARAJU VARA LAKSHMI	611
						YARAJARLA TEJA SRI	614
						KUSU SREE HARSHA	617
						KOLLIBOYINA NIKHIL	622
						P. LAKSHMI MADHURI PRASANNA	634
						DARISI VENKATA DEEPTHI	640
						LUKKA BHAVANA	648

ATTENDANCESHEETS, MODULES&FEEDBACKFORMS (FORREFERENCE)

AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
Autonomous & Affiliated to Krishna University
Accredited by NAAC at 'A' level
An ISO 9001:2015 Certified Organization

UG DEPARTMENT OF COMPUTER SCIENCE

Add-On Course/Certificate Course

On

Introduction to Python Programming

2018-2019

Course Code: ACUGCS181

Duration: 07-08-2018 to 22-09-2018 (30 Days)

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Computer Science

Add-on Course: Introduction to Python Programming

Duration:07-08-2018 to 22-09-2018

STUDENT ENROLLMENT SHEET

Regd. No.	Roll No	Student Name	Signature
18105301	601	PAMIDI PAVANI	P. Pavani
18105310	610	MAHALI SARANYA SAI	M. SARANYA SAI
18105311	611	MAKARAJU VARA LAKSHMI	M. Vara Lakshmi
18105314	614	YARAJARLA TEJA SRI	Y. Teja Sri
18105317	617	KUSU SREE HARSHA	K. S. Harsha
18105322	622	KOLLIBOYINA NIKHIL	K. NIKHIL
18105329	629	PALVADI NAGA SOUJANYA	P. Soujanya
18105334	634	P. LAKSHMI MADHURI PRASANNA	P. Lakshmi Madhuri Prasanna
18105340	640	DARISI VENKATA DEEPTHI	D. Venkata Deepthi
18105348	648	LUKKA BHAVANA	L. Bhavana
18105501	501	VASA MOHANA N. VENKATA VARA LAKSHMI	VM N V Vara Lakshmi
18105503	503	VASA MOUNIKA NAGA RANI	V Mounika Naga Rani
18105508	508	KONDRAJU DIVYA BHARGAVI	K. Divya Bhargavi
18105512	512	KOLUSU PUJITHA	Kolusu Pujitha
18105519	519	REDDY JHANSI RANI	R Jansi Rani
18105522	522	PENUMUDI JYOTHIKA	P. Jyothika
18105526	526	POLIPALLI DURGA BHAVANI	P. Durga bhavani
18105542	542	KANDULA VENKATA NAGA SAI RAM	K. V. N. S. Ram
18105544	544	VANGURI JAGADEESH	V. Jagadeesh
18105566	566	NUTAKKI JANAKI RAMUDU	N. J. Ramudu
18105607	407	VINNAKOTA TAGORE PAVAN KUMAR	V. T. Pavan kumar
18105619	419	KARPURAM ANUSHA	K. Anusha
18105622	422	VOORA KUNDANA	V. Kundana
18105626	426	S.BHARGAVI SAROJANAIDU	S. Bhargavi Sarojanaidu
18105629	429	ABDUL NOORJAHAN	A. Noorjahan
18105632	432	PILLA MAMATHA	P. mamatha
18105636	436	GOLLAPUDI NAVEEN SAI	G. Naveen Sai
18105639	439	DEEVI JAHNAVI VENKATA LATHA	D. Jahnavi Venkata Latha
18105647	447	MADDALA POOJITHA	M. Poojitha
18105649	449	MEDEPALLI SUVARNA BHARATHI	M. Suvarna Bharathi

AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE

Duration: 07-08-2018 to 22-09-2018 Year: 2018-2019 Topic: Introduction to Python Programming Lecturer: Ch.Mallika

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
		7/8	8/8	9/8	10/8	13/8	14/8	17/8	18/8	19/8	20/8	21/8	23/8	25/8	27/8	28/8	30/8	31/8	1/8	4/8	5/8	6/8	7/8	10/8	12/8	13/8	17/8	18/8	20/8	21/8	22/8	
601	PAMIDI PAVANI	a	x	x	a	x	x	a	x	x	a	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	30
610	MAHALI SARANYA SAI	x	x	x	a	x	x	x	x	a	x	x	x	x	a	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	25
611	MAKARAJU VARA LAKSHMI	x	a	x	x	x	a	x	x	a	x	x	a	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	26
614	YARAJARLA TEJA SRI	x	x	x	x	x	a	x	x	x	a	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	27
617	KUSU SREE HARSHA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	a	x	x	a	x	x	27
622	KOLLIBOYINA NIKHIL	x	x	x	x	x	a	x	x	x	x	x	a	x	x	x	x	a	x	x	x	x	x	x	x	x	a	x	x	x	x	26
629	PALVADI NAGA SOUJANYA .	x	a	a	x	a	a	a	x	a	a	a	a	x	a	a	a	x	a	a	x	a	a	a	a	a	a	a	a	a	a	06
634	P. LAKSHMI MADHURI PRASANNA	x	x	x	x	x	x	a	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	28
640	DARISI VENKATA DEEPTHI	x	x	x	x	x	a	a	x	x	x	x	x	x	a	a	x	x	x	a	a	a	a	x	x	x	a	a	a			19
648	LUKKA BHAVANA	a	x	x	x	a	x	x	a	x	x	x	x	x	x	a	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	25
501	VASA MOHANA N. VENKATA VARA	x	x	a	x	x	x	x	a	x	x	x	x	a	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	26
503	VASA MOUNIKA NAGA RANI	a	x	x	a	x	x	x	a	x	x	x	a	x	a	x	x	a	x	x	a	x	a	x	x	a	x	x	x	a	x	20
508	KONDRAJU DIVYA BHARGAVI	a	x	a	x	a	a	x	a	x	a	x	a	x	a	x	a	a	x	a	a	x	a	x	a	a	x	x	x	x	x	15
512	KOLUSU PUJITHA	a	x	a	x	x	a	x	x	x	x	a	x	x	a	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	24
519	REDDY JHANSI RANI	x	x	x	x	x	x	a	x	x	x	a	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	27
522	PENUMUDI JYOTHIKA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	29
526	POLIPALLI DURGA BHAVANI	a	x	x	a	x	x	x	x	x	a	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	26
542	KANDULA VENKATA NAGA SAI RAM	x	x	x	a	x	x	a	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	26
544	VANGURI JAGADEESH	x	x	x	a	x	x	a	x	x	x	x	a	x	x	x	x	a	x	x	a	x	x	x	x	x	x	x	x	x	x	25
566	NUTAKKI JANAKI RAMUDU	x	x	x	a	x	x	a	x	x	a	x	x	a	x	x	x	a	x	x	a	x	x	a	x	x	a	x	x	x	x	23
407	VINNAKOTA TAGORE PAVAN KUMAR	a	x	x	a	x	x	a	x	x	a	x	x	a	x	x	a	x	x	a	x	x	a	x	x	a	x	a	x	x	x	20
419	KARPURAM ANUSHA	x	a	x	x	a	x	a	x	a	a	x	x	a	x	x	a	x	x	a	x	a	x	a	x	x	x	x	x	x	x	21
422	VOORA KUNDANA	a	x	x	a	x	x	a	x	x	a	a	a	x	x	a	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	22
426	S.BHARGAVI SAROJANAIDU	x	a	x	x	x	a	x	x	x	a	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	26
429	ABDUL NOORJAHAN	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	30
432	PILLA MAMATHA	x	x	a	a	a	x	a	x	a	x	a	x	a	x	a	x	a	x	a	x	a	x	a	x	a	a	x	a	a	x	15
436	GOLLAPUDI NAVEEN SAI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	30
439	DEEVI JAHNAVI VENKATA LATHA	x	a	a	x	a	x	x	a	x	x	a	x	a	x	a	x	a	x	a	x	a	x	a	x	a	x	a	x	x	x	18
447	MADDALA POOJITHA	a	a	x	x	x	a	a	a	x	a	a	x	x	x	a	a	x	x	a	a	x	a	x	a	x	x	x	x	x	x	16
449	MEDEPALLI SUVARNA BHARATHI	a	a	a	a	x	x	x	a	x	x	a	x	x	x	a	x	x	a	x	x	x	x	x	x	x	a	x	a	a	x	18
	Signature																															

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department of Computer Science

Add-on course on

"Introduction to Python Programming"

Syllabus

Course Objective: The main objective of the course is to provide students with the basic concepts of Python, its syntax, functions and modules to enable them to write scripts for data manipulation and analysis. The course develops skills of writing and running a code using Python.

Course Outcomes:

Upon successful completion of the course, a student will be able to:

1. Understand why python is a useful scripting language for developers.
2. Use standard programming constructs like selection and repetition.
3. Use aggregated data (list, tuple and dictionary).
4. Implement functions and modules.
5. Understand the concepts of Classes and objects

Unit–1:

Introduction to python

What is python, features of python, history of python, writing and executing the python program, basic syntax, variables, keywords, data types, operators, indentation.

Control structures

Conditional statements-if, if-else, nested if-else,

Looping statements-for, while, break, continue, pass

Unit – II: Strings and Data structures

Strings-Definition, accessing, slicing and basic operations

Lists-Introduction, accessing list, operations, functions and methods,

Tuples-Introduction, accessing tuple

Dictionaries-Introduction, accessing values in dictionaries

Dr. T. Anuradha Subject Expert	Sri N.S.V.N.A. Kumar Subject Expert	Sri K. Sridhar University Nominee	Dr. P.J.S. Kumar Chairperson

Unit–III:

Functions-Defining a function, calling a function, types of functions, function arguments, local and global variables, lambda and recursive functions,

Modules- math and random

Classes&Objects

Classes and Objects, Class method and self-argument, class variables and object variables, public and private data members, private methods, built-in class attributes, static methods.

Reference Books:

1. Steven cooper, Data Science from Scratch, Kindle edition
2. Reema Thareja, Python Programming using problem solving approach, Oxford Publication

Dr. T. Anuradha	Sri N.S.V.N.A. Kumar	Sri K. Sridhar	Dr. P.J.S. Kumar
Subject Expert	Subject Expert	University Nominee	Chairperson

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department of Computer Science

Add-on Course On

"Introduction to Python Programming"

Time: 2 Hours | Max marks: 50 | Pass marks: 25

Registered Number:

Name of the student:

Name of the Programme:

Answer the Following Questions:

1. Is Python code compiled or interpreted?
a) Python code is both compiled and interpreted
b) Python code is neither compiled nor interpreted
c) Python code is only compiled
d) Python code is only interpreted

2. Which type of Programming does Python support?
a) object-oriented programming
b) structured programming
c) functional programming
d) all of the mentioned

3. Is Python case sensitive when dealing with identifiers?
a) no
b) yes
c) machine dependent
d) none of the mentioned

4. Which of the following is the correct extension of the Python file?
a) .python
b) .pl
c) .py
d) .p

5. Who developed Python Programming Language?
a) Wick van Rossum
b) Rasmus Lerdorf

c) Guido van Rossum
d) Niene Stom

6. All keywords in Python are in _____

a) Capitalized
b) lower case
c) UPPER CASE
d) None of the mentioned

7. What will be the value of the following Python expression?

```
4 + 3 % 5
```

a) 7
b) 2
c) 4
d) 1

8. Which of the following is used to define a block of code in Python language?

a) Indentation
b) Key
c) Brackets
d) All of the mentioned

9. Which keyword is used for function in Python language?

a) Function
b) def
c) Fun
d) Define

10. What will be the output of the following Python code snippet if x=1?

```
x<<2
```

a) 4
b) 2
c) 1
d) 8

11. What will be the output of the following Python code?

```
i = 1
while True:
    if i%3 == 0:
        break
    print(i)

    i += 1
```

a) 1 2 3
b) error

c) 1 2
d) none of the mentioned

12. Which of the following functions can help us to find the version of python that we are currently working on?
a) sys.version(1)
b) sys.version(0)
c) sys.version()
d) sys.version

13. Python supports the creation of anonymous functions at runtime, using a construct called _____
a) pi
b) anonymous
c) lambda
d) none of the mentioned

14. What is the order of precedence in python?
a) Exponential, Parentheses, Multiplication, Division, Addition, Subtraction
b) Exponential, Parentheses, Division, Multiplication, Addition, Subtraction
c) Parentheses, Exponential, Multiplication, Division, Subtraction, Addition
d) Parentheses, Exponential, Multiplication, Division, Addition, Subtraction

15. Which of the following character is used to give single-line comments in Python?
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16. What does pip stand for python?
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17. Which of the following is true for variable names in Python?
a) underscore and ampersand are the only two special characters allowed
b) unlimited length
c) all private members must have leading and trailing underscores
d) none of the mentioned

18. What are the values of the following Python expressions?

```
2**(3**2)
(2**3)**2
2**3**2
```

a) 512, 64, 512
b) 512, 512, 512

c) 64, 512, 64
d) 64, 64, 64

19. Which of the following is the truncation division operator in Python?

a) |
b) //
c) /
d) %

20. What will be the output of the following Python code?

```
l=[1, 0, 2, 0, 'hello', '', []]
list(filter(bool, l))
```

a) [1, 0, 2, 'hello', '', []]
b) Error
c) [1, 2, 'hello']
d) [1, 0, 2, 0, 'hello', '', []]

21. Which of the following functions is a built-in function in python?

a) factorial()
b) print()
c) seed()
d) sqrt()

22. Which of the following is the use of id() function in python?

a) Every object doesn't have a unique id
b) Id returns the identity of the object
c) All of the mentioned
d) None of the mentioned

23. The following python program can work with ____ parameters.

```
def f(x):
    def f1(*args, **kwargs):
        print("Sanfoundry")
        return x(*args, **kwargs)
    return f1
```

a) any number of
b) 0
c) 1
d) 2

24. What will be the output of the following Python function?

```
min(max(False,-3,-4), 2,7)
```

a) -4
b) -3
c) 2
d) False

25. What will be the output of the following Python code snippet?

```
for i in [1, 2, 3, 4][::-1]:
    print(i, end ' ')
```

a) 4 3 2 1
b) error
c) 1 2 3 4
d) none of the mentioned

26. What will be the output of the following Python expression if x=56.236?

```
print("%.2f"%x)
```

a) 56.236
b) 56.23
c) 56.0000
d) 56.24

27. Which of these is the definition for packages in Python?

a) A set of main modules
b) A folder of python modules
c) A number of files containing Python definitions and statements
d) A set of programs making use of Python modules

28. What will be the output of the following Python function?

```
len(["hello",2, 4, 6])
```

a) Error
b) 6
c) 4
d) 3

29. What are the two main types of functions in Python?

a) System function
b) Custom function
c) Built-in function & User defined function
d) User function

30. What is the order of namespaces in which Python looks for an identifier?

a) Python first searches the built-in namespace, then the global namespace and finally the local namespace
b) Python first searches the built-in namespace, then the local namespace and finally the global namespace
c) Python first searches the local namespace, then the global namespace and finally the built-in namespace
d) Python first searches the global namespace, then the local namespace and finally the

built-in namespace

31. Which of the following is not a core data type in Python programming?

a) Tuples
b) Lists
c) Class
d) Dictionary

32. What will be the output of the following Python statement?

```
1.>>>"a"+"bc"
```

a) bc
b) abc
c) a
d) bca

33. Which function is called when the following Python program is executed?

```
f = foo()
format(f)
```

a) str()
b) format()
c) __str__()
d) __format__()

34. Which one of the following is not a keyword in Python language?

a) pass
b) eval
c) assert
d) nonlocal

35. What will be the output of the following Python code?

```
1.class tester:
2.    def __init__(self, id):
3.        self.id = str(id)
4.        id="224"
5.
6.>>>temp = tester(12)
7.>>>print(temp.id)
```

a) 12
b) 224
c) None
d) Error

36. What will be the output of the following Python program?

```
def foo(x):
    x[0] = ['def']
```

```
    x[1] = ['abc']
    return id(x)
q = ['abc', 'def']
print(id(q) == foo(q))
```

a) Error
b) None
c) False
d) True

37. To add a new element to a list we use which Python command?

a) list1.addEnd(5)
b) list1.addLast(5)
c) list1.append(5)
d) list1.add(5)

38. What will be the output of the following Python program?

```
z=set('abc')
z.add('san')
z.update(set(['p', 'q']))
z
```

a) {'a', 'c', 'c', 'p', 'q', 's', 'a', 'n'}
b) {'abc', 'p', 'q', 'san'}
c) {'a', 'b', 'c', 'p', 'q', 'san'}
d) {'a', 'b', 'c', ['p', 'q'], 'san}

39. What arithmetic operators cannot be used with strings in Python?

a) *
b) –
c) +
d) All of the mentioned

40. What will be the output of the following Python code?

```
print("abc. DEF".capitalize())
```

a) Abc. def
b) abc. def
c) Abc. Def
d) ABC. DEF

41. Which of the following statements is used to create an empty set in Pytho

a) ( )
b) [ ]
c) { }
d) set()

42. What will be the value of 'result' in following Python program?

```
list1 = [1,2,3,4]
list2 = [2,4,5,6]
list3 = [2,6,7,8]
result = list()
result.extend(i for i in list1 if i not in (list2+list3) and i not in result)
result.extend(i for i in list2 if i not in (list1+list3) and i not in result)
result.extend(i for i in list3 if i not in (list1+list2) and i not in result)
```

a) [1, 3, 5, 7, 8]
b) [1, 7, 8]
c) [1, 2, 4, 7, 8]
d) error

43. Which module in the python standard library parses options received from the command line?

a) getarg
b) getopt
c) main
d) os

44. What will be the output of the following Python code?

```
print('*', "abcde".center(6), '*', sep='')
```

a) * abcde *
b) *abcde *
c) * abcde*
d) * abcde *

45. What will be the output of the following Python code?

```
1.>>>list1 = [1, 3]
2.>>>list2 = list1
3.>>>list1[0] = 4
4.>>>print(list2)
```

a) [1, 4]
b) [1, 3, 4]
c) [4, 3]
d) [1, 3]

46. Which one of the following is the use of function in python?

a) Functions don't provide better modularity for your application
b) you can't also create your own functions
c) Functions are reusable pieces of programs

d) All of the mentioned

47. What will be the output of the following Python code?

```
x = 'abcd'
for i in range(len(x)):
    print(i)
```

a) error
b) 1 2 3 4
c) a b c d
d) 0 1 2 3

48. What is the maximum possible length of an identifier in Python?

a) 79 characters
b) 31 characters
c) 63 characters
d) none of the mentioned

49. What will be the output of the following Python program?

```
i = 0
while i < 5:
    print(i)
    i += 1
    if i == 3:
        break
else:
    print(0)
```

a) error
b) 0 1 2 0
c) 0 1 2
d) none of the mentioned

50. Which of the following Python statements will result in the output: 6?

```
A = [[1, 2, 3],
     [4, 5, 6],
     [7, 8, 9]]
```

a) A[2][1]
b) A[1][2]
c) A[3][2]
d) A[2][3]

Answer Key

1. Answer: a
2. Answer: d
3. Answer: b
4. Answer: c
5. Answer: c
6. Answer: d
7. Answer: a
8. Answer: a
9. Answer: b
10. Answer: a
11. Answer: b
12. Answer: d
13. Answer: c
14. Answer: d
15. Answer: b
16. Answer: c
17. Answer: b
18. Answer: a
19. Answer: b
20. Answer: c
21. Answer: b
22. Answer: b
23. Answer: a
24. Answer: d
25. Answer: a
26. Answer: d
27. Answer: b
28. Answer: c
29. Answer: c
30. Answer: c
31. Answer: c
32. Answer: b
33. Answer: c
34. Answer: b
35. Answer: a
36. Answer: d
37. Answer: c
38. Answer: c
39. Answer: b
40. Answer: a
41. Answer: d
42. Answer: a
43. Answer: b
44. Answer: b
45. Answer: c
46. Answer: c
47. Answer: d
48. Answer: b
49. Answer: c
50. Answer: b

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Computer Science

Add-on Course: Introduction to Python Programming

Date of Exam : 29.9.2018 Name of Lecturer Valued: CH.MALLIKA Max.Marks: 50

Regd. No.	Roll No	Student Name	Marks In Fig	Marks InWords
18105301	601	PAMIDI PAVANI	32	Thirty two only
18105310	610	MAHALI SARANYA SAI	38	Thirty eight only
18105311	611	MAKARAJU VARA LAKSHMI	35	Thirty fibe only
18105314	614	YARAJARLA TEJA SRI	34	Thirty four only
18105317	617	KUSU SREE HARSHA	29	Twenty nine only
18105322	622	KOLLIBOYINA NIKHIL	32	Thirty two only
18105329	629	PALVADI NAGA SOUJANYA	22	Twenty two only
18105334	634	P. LAKSHMI MADHURI PRASANNA	36	Thirty six only
18105340	640	DARISI VENKATA DEEPTHI	38	Thirty eight only
18105348	648	LUKKA BHAVANA	39	Thirty nine only
18105501	501	VASA MOHANA N. VENKATA VARA LAKSHMI	43	Forty three only
18105503	503	VASA MOUNIKA NAGA RANI	44	Forty four only
18105508	508	KONDRAJU DIVYA BHARGAVI	41	Forty one only
18105512	512	KOLUSU PUJITHA	44	Forty four only
18105519	519	REDDY JHANSI RANI	40	Forty only
18105522	522	PENUMUDI JYOTHIKA	49	Forty nine only
18105526	526	POLIPALLI DURGA BHAVANI	30	Thirty only
18105542	542	KANDULA VENKATA NAGA SAI RAM	46	Forty six only
18105544	544	VANGURI JAGADEESH	40	Forty only
18105566	566	NUTAKKI JANAKI RAMUDU	44	Forty four only
18105607	407	VINNAKOTA TAGORE PAVAN KUMAR	45	Forty five only
18105619	419	KARPURAM ANUSHA	37	Thirty seven only
18105622	422	VOORA KUNDANA	43	Forty three only
18105626	426	S.BHARGAVI SAROJANAIDU	41	Forty one only
18105629	429	ABDUL NOORJAHAN	46	Forty six only
18105632	432	PILLA MAMATHA	43	Forty three only
18105636	436	GOLLAPUDI NAVEEN SAI	39	Thirty nine only
18105639	439	DEEVI JAHNAVI VENKATA LATHA	42	Forty two only
18105647	447	MADDALA POOJITHA	41	Forty one only
18105649	449	MEDEPALLI SUVARNA BHARATHI	43	Forty three only

Head of the Department

Lecturer ch. Mallika

Principal/DIRECTOR

AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
Autonomous & Affiliated to Krishna University
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An ISO 9001:2015 Certified Organization

UG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

P. Pavan

Signature of the Student

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An ISO 9001:2015 Certified Organization

PG DEPARTMENT OF COMPUTER SCIENCE

Add-On Course/Certificate Course

On

Problem solving using Python programming

2018-2019

Course Code: ACPGCS181

Duration: 28-08-2018 to 27-10-2018 (30 Days)

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

PG Department Of Computer Science

Add-on Course: Problem solving using Python programming

Duration: 28-08-2018 to 27-8-2018

STUDENT ENROLLMENT SHEET

Regd. No.	Roll No	Student Name	Signature
Y17MCA105003	401	G Bhagya lakshmi	G. Bhagya Lakshmi
Y17MCA105001	402	A Sai Raja sri	A. Sai Raja Sri
Y17MCA105009	404	S D S D Teja sri	SDSD Teja Sri
Y17MCA105005	406	K Hemanth Kumar	K. Hemanth Kumar
Y17MCA105007	405	P Mounica	P. Mounica
Y17MCA105010	408	VVVNS Rama krishna	VVVNS Ramakrishna
Y17MCA105002	410	B Priyanka	B. Priyanka
L18MCA105001	411	B Sai	B. Sai
L18MCA105010	420	K Akhil	K. Akhil
L18MCA105003	413	T Venkatesh	T. Venkatesh
L18MCA105004	414	D Mohana Manikantha	D. Mohana Manikantha.
L18MCA105005	415	K Swarupa	K. Swarupa
L18MCA105013	423	K Siva Kalyani	K. Siva Kalyani
18056001	601	G Umamaheswari	G. Umamaheswari
18056002	602	B Lavanya	B. Lavanya.
18056003	603	B Siva Rama	B. Siva Rama
18056006	606	G Divya	G. Divya
18056007	607	G Jaya Sarika	G. Jaya Sarika
18056008	608	Kgeeta Naga Durga Sahithi	
18056009	609	M Sudhakar	M. Sudhakar
18056010	610	V Leela Prasanthi	V. Leela Prasanthi

AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE

Duration: 28-08-2018 to 27-10-2018 **Year: 2018-2019** **Topic: Problem solving using Python programming** **Lecturer: T VEENA**

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
401	G Bhagya lakshmi																															
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606	GANTA DIVYA																															
607	GORLA JAYA SARIKA																															
608	KUMBHUM GEETA NAGA DURGA																															
609	MERUGU SUDHAKAR																															
610	VANDANAPU LEELA PRASANTHI																															
	Signature																															

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

PG Department Of Computer Science

Add-on Course: Problem solving using Python programming

Date of Exam :08-11-2018 **Name of Lecturer Valued:T VEENA** **Max.Marks: 50**

Regd. No.	Roll No	Student Name	Marks In Fig	Marks InWords
Y17MCA105003	401	G Bhagya lakshmi	37	Thirty seven only
Y17MCA105001	402	A Sai Raja sri	38	Thirty Eight only
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18056002	602	BOYINA LAVANYA	41	fourty one only
18056003	603	BADARLA SIVA RAMA PRASAD	42	fourty two only
18056006	606	GANTA DIVYA	44	fourty four only
18056007	607	GORLA JAYA SARIKA	40	fourty only
18056008	608	KUMBHUM GEETA NAGA DURGA	44	fourty four only
18056009	609	MERUGU SUDHAKAR	40	fourty only
18056010	610	VANDANAPU LEELA PRASANTHI	41	fourty one only

Head of the Department

T. Veena
Lecturer

Principal / Director

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

PG Department of Computer Science

Add-on course on

"Problem solving using Python programming"

Syllabus

Course Objective: The main objective of the course is to provide students with the basic concepts of Python, its syntax, functions and modules to enable them to write scripts for data manipulation and analysis .The course develops skills of writing and running a code using Python.

Course Outcomes:

Up on successful completion of the course, a student will be able to:

1. Under stand why python is a useful scripting language for developers.
2. Use standard programming constructs like selection and repetition.
3. Use aggregated data(list, tuple, and dictionary).
4. Implement functions and modules.
5. Understand the concepts of Classes and objects

Unit–1:Introductionto python

What is python, features of python, history of python, writing and executing the python program, basic syntax, variables, keywords, data types, operators, indentation.

Control structures Conditional statements-if, if-else, nested if-else, Looping statements-for, while, break, continue, pass

Unit – II: Strings and Data structures

Strings-Definition, accessing, slicing and basic operations

Lists-Introduction, accessing list, operations, functions and methods,

Tuples-Introduction ,accessingtuple

Dictionaries-introduction ,accessing values in dictionaries.

Functions and modules

Functions-defining a function, calling a function, types of functions, function arguments, local and global variables, lambda and recursive functions,

Dr. M. Babu Reddy	Dr. B.R.S. Reddy	M. Ratnakar	Ch. Mallika
University Nominee	Subject Expert	Subject Expert	Chairperson

Modules- math and random

Unit – III: Classes &Objects

Classes and Objects, Class method and self-argument ,class variables and object variables ,public and private data members, private methods, built-in class attributes, static methods.

Reference Books:

1. Steven cooper, Data Science from Scratch, Kindle edition
2. Reema Thareja, Python Programming using problem solving approach, Oxford Publication

Dr. M. Babu Reddy University Nominee	Dr. B.R.S. Reddy Subject Expert	M. Ratnakar Subject Expert	Ch. Mallika Chairperson

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

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PG Department of Computer Science

Add-on Course On

"Problem solving using Python programming"

Time: 2 Hours Max marks: 50

Pass marks: 25

Registered Number:

Name of the student:

Name of the Programme:

Answer the Following Questions:

1. Is Python code compiled or interpreted?
a) Python code is both compiled and interpreted
b) Python code is neither compiled nor interpreted
c) Python code is only compiled
d) Python code is only interpreted

2. Which type of Programming does Python support?
a) object-oriented programming
b) structured programming
c) functional programming
d) all of the mentioned

3. Is Python case sensitive when dealing with identifiers?
a) no
b) yes
c) machine dependent
d) none of the mentioned

4. Which of the following is the correct extension of the Python file?
a) .python
b) .pl
c) .py
d) .p

5. Who developed Python Programming Language?
a) Wick van Rossum
b) Rasmus Lerdorf
c) Guido van Rossum
d) Niene Stom

6. All keywords in Python are in _____

a) Capitalized
b) lower case
c) UPPER CASE
d) None of the mentioned

7. What will be the value of the following Python expression?

```
4 + 3 % 5
```

a) 7
b) 2
c) 4
d) 1

8. Which of the following is used to define a block of code in Python language?

a) Indentation
b) Key
c) Brackets
d) All of the mentioned

9. Which keyword is used for function in Python language?

a) Function
b) def
c) Fun
d) Define

10. What will be the output of the following Python code snippet if x=1?

```
x<<2
```

a) 4
b) 2
c) 1
d) 8

11. What will be the output of the following Python code?

```
i = 1
while True:
    if i%3 == 0:
        break
    print(i)

    i + = 1
```

a) 1 2 3
b) error
c) 1 2
d) none of the mentioned

12. Which of the following functions can help us to find the version of python that we are currently working on?
a) sys.version(1)
b) sys.version(0)
c) sys.version()
d) sys.version

13. Python supports the creation of anonymous functions at runtime, using a construct called _____
a) pi
b) anonymous
c) lambda
d) none of the mentioned

14. What is the order of precedence in python?
a) Exponential, Parentheses, Multiplication, Division, Addition, Subtraction
b) Exponential, Parentheses, Division, Multiplication, Addition, Subtraction
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```

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    def f1(*args, **kwargs):
        print("Sanfoundry")
        return x(*args, **kwargs)
    return f1
```

a) any number of
b) 0
c) 1
d) 2

24. What will be the output of the following Python function?

```
min(max(False,-3,-4), 2,7)
```

a) -4
b) -3
c) 2
d) False

32. What will be the output of the following Python statement?

```
1.>>>"a"+"bc"
```

a) bc
b) abc
c) a
d) bca

33. Which function is called when the following Python program is executed?

```
f = foo()
format(f)
```

a) str()
b) format()
c) __str__()
d) __format__()

34. Which one of the following is not a keyword in Python language?

a) pass
b) eval
c) assert
d) nonlocal

35. What will be the output of the following Python code?

```
1.class tester:
2.    def __init__(self, id):
3.        self.id = str(id)
4.        id="224"
5.
6.>>>temp = tester(12)
7.>>>print(temp.id)
```

a) 12
b) 224
c) None
d) Error

36. What will be the output of the following Python program?

```
def foo(x):
    x[0] = ['def']
    x[1] = ['abc']
    return id(x)
q = ['abc', 'def']
print(id(q) == foo(q))
```

a) Error
b) None
c) False
d) True

25. What will be the output of the following Python code snippet?

```
for i in [1, 2, 3, 4][::-1]:
    print(i, end=' ')
```

a) 4 3 2 1
b) error
c) 1 2 3 4
d) none of the mentioned

26. What will be the output of the following Python expression if x=56.236?

```
print("%.2f"%x)
```

a) 56.236
b) 56.23
c) 56.0000
d) 56.24

27. Which of these is the definition for packages in Python?
a) A set of main modules
b) A folder of python modules
c) A number of files containing Python definitions and statements
d) A set of programs making use of Python modules

28. What will be the output of the following Python function?

```
len(["hello",2, 4, 6])
```

a) Error
b) 6
c) 4
d) 3

29. What are the two main types of functions in Python?
a) System function
b) Custom function
c) Built-in function & User defined function
d) User function

30. What is the order of namespaces in which Python looks for an identifier?
a) Python first searches the built-in namespace, then the global namespace and finally the local namespace
b) Python first searches the built-in namespace, then the local namespace and finally the global namespace
c) Python first searches the local namespace, then the global namespace and finally the built-in namespace
d) Python first searches the global namespace, then the local namespace and finally the built-in namespace

31. Which of the following is not a core data type in Python programming?
a) Tuples
b) Lists
c) Class
d) Dictionary

d) error

43. Which module in the python standard library parses options received from the command line?

a) getarg
b) getopt
c) main
d) os

44. What will be the output of the following Python code?

```
print('*', "abcde".center(6), '*', sep='')
```

a) * abcde *
b) *abcde *
c) * abcde*
d) * abcde *

45. What will be the output of the following Python code?

```
1.>>>list1 = [1, 3]
2.>>>list2 = list1
3.>>>list1[0] = 4
4.>>>print(list2)
```

a) [1, 4]
b) [1, 3, 4]
c) [4, 3]
d) [1, 3]

46. Which one of the following is the use of function in python?

a) Functions don't provide better modularity for your application
b) you can't also create your own functions
c) Functions are reusable pieces of programs
d) All of the mentioned

47. What will be the output of the following Python code?

```
x = 'abcd'
for i in range(len(x)):
    print(i)
```

a) error
b) 1 2 3 4
c) a b c d
d) 0 1 2 3

37. To add a new element to a list we use which Python command?
a) list1.addEnd(5)
b) list1.addLast(5)
c) list1.append(5)
d) list1.add(5)

38. What will be the output of the following Python program?

```
z=set('abc')
z.add('san')
z.update(set(['p', 'q']))
z
```

a) {'a', 'c', 'c', 'p', 'q', 's', 'a', 'n'}
b) {'abc', 'p', 'q', 'san'}
c) {'a', 'b', 'c', 'p', 'q', 'san'}
d) {'a', 'b', 'c', ['p', 'q'], 'san}

39. What arithmetic operators cannot be used with strings in Python?
a) *
b) –
c) +
d) All of the mentioned

40. What will be the output of the following Python code?

```
print("abc. DEF".capitalize())
```

a) Abc. def
b) abc. def
c) Abc. Def
d) ABC. DEF

41. Which of the following statements is used to create an empty set in Python?
a) ( )
b) [ ]
c) { }
d) set()

42. What will be the value of 'result' in following Python program?

```
list1 = [1,2,3,4]
list2 = [2,4,5,6]
list3 = [2,6,7,8]
result = list()
result.extend(i for i in list1 if i not in (list2+list3) and i not in
result)
result.extend(i for i in list2 if i not in (list1+list3) and i not in
result)
result.extend(i for i in list3 if i not in (list1+list2) and i not in
result)
```

a) [1, 3, 5, 7, 8]
b) [1, 7, 8]
c) [1, 2, 4, 7, 8]

48. What is the maximum possible length of an identifier in Python?

a) 79 characters
b) 31 characters
c) 63 characters
d) none of the mentioned

49. What will be the output of the following Python program?

```
i = 0
while i < 5:
    print(i)
    i += 1
    if i == 3:
        break
else:
    print(0)
```

a) error
b) 0 1 2 0
c) 0 1 2
d) none of the mentioned

50. Which of the following Python statements will result in the output: 6?

```
A = [[1, 2, 3],
     [4, 5, 6],
     [7, 8, 9]]
```

a) A[2][1]
b) A[1][2]
c) A[3][2]
d) A[2][3]

Python QP Key

1.

Answer: c

2.
Answer: d

3.

Answer: b

4.

Answer: c

5.

Answer: a

6.

Answer: d

7.

Answer: a

8.

Answer: a

9.

Answer: b
10.

Answer: b

11.

Answer: b

12.

Answer: d

13.

Answer: c

14.

Answer: d

15.

Answer: a

16.

Answer: c

17.

Answer: b

18.

Answer: a

19.

Answer: b

20.

Answer: c

21.

Answer: b

22.

Answer: b

23..

Answer: a

24.

Answer: d

25.

Answer: c

26.

Answer: d

27

Answer: b

28.

Answer: c

29.

Answer: c

30.

Answer: c

31.

Answer: a

32.

Answer: b

33.

Answer: c

34.

Answer: b

35.

Answer: a

36.

Answer: d

37.

Answer: b

38.

Answer: c
39.

Answer: b

40. Answer: a

41.
Answer: d

42.

Answer: a
43.
Answer: c

44.

Answer: b

45.?

Answer: c
46
Answer: c

47.

Answer: b
48.

Answer: d

49.?

Answer: c

50.

Answer: d

18-19

AKKINENI NAGESWARA RAO COLLEGE

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PG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

---

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

Signature of the Student

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B. Sayamala
Signature of the Student

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---

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8. Do you have any suggestions on the programme? (Yes / No)

T. Venkaiah

Signature of the Student

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8. Do you have any suggestions on the programme? (Yes / No)

P. Mounika

Signature of the Student

SS

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PG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

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8. Do you have any suggestions on the programme? (Yes / No)

Signature of the Student

AKKINENI NAGESWARA RAO COLLEGE

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UG DEPARTMENT OF COMPUTER SCIENCE

Add-On Course/Certificate Course

On

Introduction to Python Programming

2019-2020

Course Code: ACUGCS191

Duration: 19-08-2019 to 28-09-2019 (30 Days)

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Computer Science

Add-on Course: Introduction to Python Programming

Duration:19-08-2019 to 28-09-2019

STUDENT ENROLLMENT SHEET

Regd. No.	Roll No	Student Name	Signature
19105302	602	ANKEM ANUPAMA	Ankem. Anupama
19105311	611	CHITTURI DILEEP PAVAN KUMAR	C. Dilip Kumar pavan
19105313	613	DHADI PRASANNA	D. prasanna.
19105315	615	GEDELA SRAVANI	G. SRAVANI
19105322	622	KANUMURI NAGA PHANI KUMAR	K. Naga Phani Kumar
19105323	623	KOVVURU MANIKANTA	K. Mani kanta
19105327	627	NANUPATRUNI KALYAN	N. kalyan
19105331	631	NERUSU SANDHYA	N. Sandhya.
19105335	635	PERAM KALYANI	Peram. Kalyani
19105349	649	VURA DHANA SRI NAGA BALA PADMA PRIYA	V.D.S.N.D Padma Priya
19105505	505	AVULA LAKSHMI NAGA SAI	A. Lakshmi Naga Sai
19105513	513	GAJULA SOUMYA DURGA	G. soumya durga
19105518	518	GOVADA POORNIMA	G. POORNIMA
19105525	525	KATURI SIRI	KATURI. SIRI
19105527	527	KONDA RADHAMMA	K. Radhamma
19105536	536	NARA LAKSHMI TULASI	N. LAKSHMI TULASI.
19105542	542	PILLA JOSHITHA	P. Joshitha
19105548	548	SHAIK ASMA	S. Asma
19105549	549	SHAIK BIBI FATHIMABI	S. Bibi fathimabi
19105557	557	TUMMALA LAKSHMI SUSMITHA	T. Laxmi sushmitha.
19105605	405	ABDUL ANSAR	A. Ansar
19105607	407	BHEEMSING PADMAVATHI	B. Padmavathi
19105613	413	ENIKEPALLI SAI PRAMOD	E. Sai pramod
19105619	419	KAKANI SRINIVAS	K. Srinivas
19105629	429	MODADUGU PUJA NAGASRIVALLIKA DURGANANCHARI	M.P.N.S.V.D. chari
19105630	430	MUDRA RAAGA VAISHNAVI	M. Raaga Vaishnavi
19105636	436	PAILA DHANUSRI	P. Dhanusri
19105647	447	RAGAM SIVA BHARGAVI	R. Siva Bhargavi
19105650	450	SAMMETA THANUJA	S. Thanuja
19105664	464	VELAGALA VASANTHI	V. Vasanthi

AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE

Duration: 19-08-2019 to 28-09-2019 **Year: 2019-2020** **Topic: Introduction to Python Programming** **Lecturer: Ch.Mallika**

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
		19/8	20/8	21/8	22/8	24/8	26/8	27/8	28/8	30/8	31/8	3/9	4/9	5/9	6/9	7/9	9/9	10/9	11/9	13/9	16/9	17/9	18/9	19/9	20/9	21/9	23/9	24/9	26/9	27/9	28/9	30
602	ANKEM ANUPAMA	x	x	x	a	a	x	x	a	x	x	x	x	x	x	x	x	a	a	x	x	x	a	a	a	x	x	a	a	a	x	19
611	CHITTURI DILEEP PAVAN KUMAR	x	a	x	x	x	a	x	a	x	x	a	a	x	a	x	x	a	a	a	x	x	a	x	x	x	x	a	a	a	a	16
613	DHADI PRASANNA	x	a	x	a	x	a	x	a	x	a	x	a	a	a	x	x	x	x	x	x	a	a	a	x	x	x	x	x	x	x	19
615	GEDELA SRAVANI	a	a	a	x	x	x	a	x	x	x	x	x	a	a	x	x	x	a	a	x	x	x	x	x	a	a	x	x	a	x	19
622	KANUMURI NAGA PHANI KUMAR	a	x	a	x	a	x	x	a	x	a	x	a	x	x	a	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	22
623	KOVVURU MANIKANTA	x	x	x	a	a	x	x	x	a	x	x	x	a	x	x	a	x	x	x	a	x	x	x	a	a	x	x	x	a	a	20
627	NANUPATRUNI KALYAN	x	x	a	a	x	x	a	x	x	a	x	x	x	a	x	a	x	x	a	x	x	a	x	x	x	x	x	a	a	a	19
631	NERUSU SANDHYA	x	x	x	a	a	a	x	x	x	a	a	x	x	x	a	x	a	x	a	x	a	x	a	x	x	a	x	x	x	a	18
635	PERAM KALYANI	x	x	x	x	x	x	x	x	x	x	x	x	a	a	x	x	x	x	a	a	x	x	x	x	x	x	x	x	x	x	26
649	VURA DHANA SRI NAGA BALA PADMA	x	x	x	x	x	x	x	x	x	x	x	a	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	25
505	AVULA LAKSHMI NAGA SAI	x	x	x	a	a	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	24
513	GAJULA SOUMYA DURGA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	28
518	GOVADA POORNIMA	x	x	x	x	x	x	x	x	a	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	27
525	KATURI SIRI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	x	x	x	x	x	x	x	x	x	x	a	a	a	24
527	KONDA RADHAMMA	x	x	a	x	x	a	x	x	a	x	x	a	x	x	a	x	x	a	x	x	x	a	x	x	x	x	x	x	x	x	27
536	NARA LAKSHMI TULASI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	x	x	x	x	x	x	x	x	x	x	x	a	a	25
542	PILLA JOSHITHA	x	a	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	a	a	x	a	a	a	a	21
548	SHAIK ASMA	a	a	a	x	a	x	x	a	a	x	x	a	a	a	a	a	x	x	a	a	a	a	a	a	x	a	a	a	a	a	8
549	SHAIK BIBI FATHIMABI	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	x	x	x	a	x	x	x	x	x	x	x	x	x	x	a	25
557	TUMMALA LAKSHMI SUSMITHA	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	x	x	a	a	x	a	x	x	x	x	x	x	x	a	23
405	ABDUL ANSAR	x	a	x	x	x	a	a	x	x	a	x	a	x	a	x	a	x	x	x	x	x	a	a	x	x	x	x	x	x	x	21
407	BHEEMSING PADMAVATHI	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	28
413	ENIKEPALLI SAI PRAMOD	x	x	x	x	x	x	a	a	x	x	x	x	x	x	a	a	x	x	x	a	x	x	x	a	x	a	x	x	x	a	22
419	KAKANI SRINIVAS	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	29
429	MODADUGU PUJA NAGASRIVALLIKA	x	x	x	a	a	x	a	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	26
430	MUDRA RAAGA VAISHNAVI	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	25
436	PAILA DHANUSRI	x	x	x	x	x	a	a	x	x	x	x	a	a	x	x	a	a	a	x	x	x	x	x	x	a	a	x	x	x	x	21
447	RAGAM SIVA BHARGAVI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	30
450	SAMMETA THANUJA	x	a	x	a	a	x	a	x	a	a	x	a	a	a	x	a	a	a	x	a	a	x	x	a	a	a	a	a	a	a	10
464	VELAGALA VASANTHI	x	x	x	x	x	x	x	x	x	x	x	a	a	a	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	26
	Signature	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department of Computer Science

Add-on course on

"Introduction to Python Programming"

Syllabus

Course Objective: The main objective of the course is to provide students with the basic concepts of Python, its syntax, functions and modules to enable them to write scripts for data manipulation and analysis. The course develops skills of writing and running a code using Python.

Course Outcomes:

Upon successful completion of the course, a student will be able to:

1. Understand why python is a useful scripting language for developers.
2. Use standard programming constructs like selection and repetition.
3. Use aggregated data (list, tuple and dictionary).
4. Implement functions and modules.
5. Understand the concepts of Classes and objects

Unit–1:

Introduction to python

What is python, features of python, history of python, writing and executing the python program, basic syntax, variables, keywords, data types, operators, indentation.

Control structures

Conditional statements-if, if-else, nested if-else,

Looping statements-for, while, break, continue, pass

Unit – II: Strings and Data structures

Strings-Definition, accessing, slicing and basic operations

Lists-Introduction, accessing list, operations, functions and methods,

Tuples-Introduction, accessing tuple

Dictionaries-Introduction, accessing values in dictionaries

Dr. T. Anuradha Subject Expert	Sri N.S.V.N.A. Kumar Subject Expert	Sri K. Sridhar University Nominee	Dr. P.J.S. Kumar Chairperson

Unit–III:

Functions-Defining a function, calling a function, types of functions, function arguments, local and global variables, lambda and recursive functions,

Modules- math and random

Classes&Objects

Classes and Objects, Class method and self-argument, class variables and object variables, public and private data members, private methods, built-in class attributes, static methods.

Reference Books:

1. Steven cooper, Data Science from Scratch, Kindle edition
2. Reema Thareja, Python Programming using problem solving approach, Oxford Publication

Dr. T. Anuradha Subject Expert	Sri N.S.V.N.A. Kumar Subject Expert	Sri K. Sridhar University Nominee	Dr. P.J.S. Kumar Chairperson

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

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PG Department of Computer Science

Add-on Course On

"Problem Solving Using Python Programming"

Time: 2 Hours | Max marks: 50 | Pass marks: 25

Registered Number:

Name of The student:

Name of the programmee:

Answer the Following Questions:

1. Who developed Python Programming Language?
a) Wick van Rossum
b) Rasmus Lerdorf
c) Guido van Rossum
d) Niene Stom

2. Which type of Programming does Python support?
a) object-oriented programming
b) structured programming
c) functional programming
d) all of the mentioned

3. Is Python case sensitive when dealing with identifiers?
a) no
b) yes
c) machine dependent
d) none of the mentioned

4. Which of the following is the correct extension of the Python file?
a) .python
b) .pl
c) .py
d) .p

5. Is Python code compiled or interpreted?
a) Python code is both compiled and interpreted
b) Python code is neither compiled nor interpreted
c) Python code is only compiled

d) Python code is only interpreted

6. All keywords in Python are in _____
a) Capitalized
b) lower case
c) UPPER CASE
d) None of the mentioned

7. What will be the value of the following Python expression?

```
4 + 3 % 5
```

a) 7
b) 2
c) 4
d) 1

8. Which of the following is used to define a block of code in Python language?
a) Indentation
b) Key
c) Brackets
d) All of the mentioned

9. Which keyword is used for function in Python language?
a) Function
b) def
c) Fun
d) Define

10. Which of the following character is used to give single-line comments in Python?
a) //
b) #
c) !
d) /*

11. What will be the output of the following Python code?

```
i = 1
while True:
    if i%3 == 0:
        break
    print(i)

    i + = 1
```

a) 1 2 3
b) error
c) 1 2
d) none of the mentioned

12. Which of the following functions can help us to find the version of python that we are currently working on?
a) sys.version(1)
b) sys.version(0)
c) sys.version()
d) sys.version

13. Python supports the creation of anonymous functions at runtime, using a construct called _____
a) pi
b) anonymous
c) lambda
d) none of the mentioned

14. What is the order of precedence in python?
a) Exponential, Parentheses, Multiplication, Division, Addition, Subtraction
b) Exponential, Parentheses, Division, Multiplication, Addition, Subtraction
c) Parentheses, Exponential, Multiplication, Division, Subtraction, Addition
d) Parentheses, Exponential, Multiplication, Division, Addition, Subtraction

15. What will be the output of the following Python code snippet if x=1?

```
x<<2
```

a) 4
b) 2
c) 1
d) 8

16. What does pip stand for python?
a) Pip Installs Python
b) Pip Installs Packages
c) Preferred Installer Program
d) All of the mentioned

17. Which of the following is true for variable names in Python?
a) underscore and ampersand are the only two special characters allowed
b) unlimited length
c) all private members must have leading and trailing underscores
d) none of the mentioned

18. What are the values of the following Python expressions?

```
2**(3**2)
(2**3)**2
2**3**2
```

a) 512, 64, 512
b) 512, 512, 512
c) 64, 512, 64
d) 64, 64, 64

19. Which of the following is the truncation division operator in Python?
a) |
b) //
c) /
d) %

20. What will be the output of the following Python code?

```
l=[1, 0, 2, 0, 'hello', '', []]
list(filter(bool, l))
```

a) [1, 0, 2, 'hello', '', []]
b) Error
c) [1, 2, 'hello']
d) [1, 0, 2, 0, 'hello', '', []]

21. Which of the following functions is a built-in function in python?
a) factorial()
b) print()
c) seed()
d) sqrt()

22. Which of the following is the use of id() function in python?
a) Every object doesn't have a unique id
b) Id returns the identity of the object
c) All of the mentioned
d) None of the mentioned

23. The following python program can work with ____ parameters.

```
def f(x):
    def f1(*args, **kwargs):
        print("Sanfoundry")
        return x(*args, **kwargs)
    return f1
```

a) any number of
b) 0
c) 1
d) 2

24. What will be the output of the following Python function?

a) -4
b) -3
c) 2
d) False

25. Which of the following is not a core data type in Python programming?
a) Tuples
b) Lists
c) Class
d) Dictionary

26. What will be the output of the following Python expression if x=56.236?

```
print("%.2f"%x)
```

a) 56.236
b) 56.23
c) 56.0000
d) 56.24

27. Which of these is the definition for packages in Python?
a) A set of main modules
b) A folder of python modules
c) A number of files containing Python definitions and statements
d) A set of programs making use of Python modules

28. What will be the output of the following Python function?

```
len(["hello",2, 4, 6])
```

a) Error
b) 6
c) 4
d) 3

29. What are the two main types of functions in Python?
a) System function
b) Custom function
c) Built-in function & User defined function
d) User function

30. What is the order of namespaces in which Python looks for an identifier?
a) Python first searches the built-in namespace, then the global namespace and finally the local namespace
b) Python first searches the built-in namespace, then the local namespace and finally the global namespace
c) Python first searches the local namespace, then the global namespace and finally the built-in namespace
d) Python first searches the global namespace, then the local namespace and finally the built-in

namespace

31. What will be the output of the following Python code snippet?

```
for i in [1, 2, 3, 4][::-1]:
    print(i, end=' ')
```

a) 4 3 2 1
b) error
c) 1 2 3 4
d) none of the mentioned

32. What will be the output of the following Python statement?

```
>>>"a"+"bc"
```

a) bc
b) abc
c) a
d) bca

33. Which function is called when the following Python program is executed?

```
f = foo()
format(f)
```

a) str()
b) format()
c) __str__()
d) __format__()

34. Which one of the following is not a keyword in Python language?

a) pass
b) eval
c) assert
d) nonlocal

35. What will be the output of the following Python code?

```
class tester:
    def __init__(self, id):
        self.id = str(id)
        id="224"

>>>temp = tester(12)
>>>print(temp.id)
```

a) 12
b) 224
c) None

d) Error

36. What will be the output of the following Python program?

```
def foo(x):
    x[0] = ['def']
    x[1] = ['abc']
    return id(x)
q = ['abc', 'def']
print(id(q) == foo(q))
```

a) Error
b) None
c) False
d) True

37. Which module in the python standard library parses options received from the command line?

a) getarg
b) getopt
c) main
d) os

38. What will be the output of the following Python program?

```
z=set('abc')
z.add('san')
z.update(set(['p', 'q']))
z
```

a) {'a', 'c', 'c', 'p', 'q', 's', 'a', 'n'}
b) {'abc', 'p', 'q', 'san'}
c) {'a', 'b', 'c', 'p', 'q', 'san'}
d) {'a', 'b', 'c', ['p', 'q'], 'san}

39. What arithmetic operators cannot be used with strings in Python?

a) *
b) –
c) +
d) All of the mentioned

40. What will be the output of the following Python code?

```
print("abc. DEF".capitalize())
```

a) Abc. def
b) abc. def
c) Abc. Def
d) ABC. DEF

41. Which of the following statements is used to create an empty set in Python?

a) ( )
b) [ ]
c) { }
d) set()

42. What will be the value of 'result' in following Python program?

```
list1 = [1,2,3,4]
list2 = [2,4,5,6]
list3 = [2,6,7,8]
result = list()
result.extend(i for i in list1 if i not in (list2+list3) and i not in result)
result.extend(i for i in list2 if i not in (list1+list3) and i not in result)
result.extend(i for i in list3 if i not in (list1+list2) and i not in result)
```

a) [1, 3, 5, 7, 8]
b) [1, 7, 8]
c) [1, 2, 4, 7, 8]
d) error

43. To add a new element to a list we use which Python command?

a) list1.addEnd(5)
b) list1.addLast(5)
c) list1.append(5)
d) list1.add(5)

44. What will be the output of the following Python code?

```
print('*', "abcde".center(6), '*', sep='')
```

a) * abcde *
b) *abcde *
c) * abcde*
d) * abcde *

45. What will be the output of the following Python code?

```
>>>list1 = [1, 3]
>>>list2 = list1
>>>list1[0] = 4
>>>print(list2)
```

a) [1, 4]
b) [1, 3, 4]
c) [4, 3]
d) [1, 3]

46. Which one of the following is the use of function in python?

a) Functions don't provide better modularity for your application
b) you can't also create your own functions
c) Functions are reusable pieces of programs
d) All of the mentioned

47. Which of the following Python statements will result in the output: 6?

```
A = [[1, 2, 3],
     [4, 5, 6],
     [7, 8, 9]]
```

a) A[2][1]
b) A[1][2]
c) A[3][2]
d) A[2][3]

48. What is the maximum possible length of an identifier in Python?

a) 79 characters
b) 31 characters
c) 63 characters
d) none of the mentioned

49. What will be the output of the following Python program?

```
i = 0
while i < 5:
    print(i)
    i += 1
    if i == 3:
        break
else:
    print(0)
```

a) error
b) 0 1 2 0
c) 0 1 2
d) none of the mentioned

50. What will be the output of the following Python code?

```
x = 'abcd'
for i in range(len(x)):
    print(i)
```

a) error
b) 1 2 3 4
c) a b c d
d) 0 1 2 3

Answer Key

1. Answer: c
2. Answer: d
3. Answer: b
4. Answer: c
5. Answer: a
6. Answer: d
7. Answer: a
8. Answer: a
9. Answer: b
10. Answer: b
11. Answer: b
12. Answer: d
13. Answer: c
14. Answer: d
15. Answer: a
16. Answer: c
17. Answer: b
18. Answer: a
19. Answer: b
20. Answer: c
21. Answer: b
22. Answer: b
23. Answer: a
24. Answer: d
25. Answer: c
26. Answer: d
27Answer: b
28. Answer: c
29. Answer: c
30. Answer: c
31. Answer: a
32. Answer: b
33. Answer: c
34. Answer: b
35. Answer: a
36. Answer: d
37. Answer: b
38. Answer: c
39. Answer: b
40. Answer: a
41. Answer: d
42. Answer: a
43. Answer: c
44. Answer: b
45. Answer: c
46Answer: c
47. Answer: b
48. Answer: d
49. Answer: c
50. Answer: d

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Computer Science

Add-on Course: Introduction to Python Programming

Date of Exam : 14-10-2019 Name of Lecturer Valued: CH. MALLIKA Max.Marks: 50

Regd. No.	Roll No	Student Name	Marks In Fig	Marks InWords
19105302	602	ANKEM ANUPAMA	46	Forty six only
19105311	611	CHITTURI DILEEP PAVAN KUMAR	36	Thirty six only
19105313	613	DHADI PRASANNA	38	Thirty eight only
19105315	615	GEDELA SRAVANI	36	Thirty six only
19105322	622	KANUMURI NAGA PHANI KUMAR	29	Twenty nine only
19105323	623	KOVVURU MANIKANTA	38	Thirty eight only
19105327	627	NANUPATRUNI KALYAN	45	Forty five only
19105331	631	NERUSU SANDHYA	48	Forty eight only
19105335	635	PERAM KALYANI	44	Forty four only
19105349	649	VURA DHANA SRI NAGA BALA PADMA PRIYA	45	Forty five only
19105505	505	AVULA LAKSHMI NAGA SAI	43	Forty three only
19105513	513	GAJULA SOUMYA DURGA	43	Forty three only
19105518	518	GOVADA POORNIMA	49	Forty nine only
19105525	525	KATURI SIRI	34	Thirty four only
19105527	527	KONDA RADHAMMA	34	Thirty four only
19105536	536	NARA LAKSHMI TULASI	47	Forty seven only
19105542	542	PILLA JOSHITHA	43	Forty three only
19105548	548	SHAIK ASMA	23	Twenty three only
19105549	549	SHAIK BIBI FATHIMABI	37	Thirty seven only
19105557	557	TUMMALA LAKSHMI SUSMITHA	46	Forty six only
19105605	405	ABDUL ANSAR	48	Forty eight only
19105607	407	BHEEMSING PADMAVATHI	44	Forty four only
19105613	413	ENIKEPALLI SAI PRAMOD	43	Forty three only
19105619	419	KAKANI SRINIVAS	44	Forty four only
19105629	429	MODABUGU PUJA NAGASRIVALLIKA DURGANANCHARI	39	Thirty nine only
19105630	430	MUDRA RAAGA VAISHNAVI	38	Thirty eight only
19105636	436	PAILA DHANUSRI	36	Thirty six only
19105647	447	RAGAM SIVA BHARGAVI	37	Thirty seven only
19105650	450	SAMMETA THANUJA	21	Twenty one only
19105664	464	VELAGALA VASANTHI	25	Twenty five only

Head of the Department

Ch. Mallika
Lecturer

Principal / DIRECTOR

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UG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

N. Sandhya.
Signature of the Student

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UG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

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7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

K. Srinivas
Signature of the Student

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(with Post - Graduate Courses)
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PG DEPARTMENT OF COMPUTER SCIENCE

Add-On Course/Certificate Course

On

Machine Learning

2019-2020

Course Code: ACPGCS191

Duration: 10-10-2019 to 14-12-2019 (30 Days)

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the Jurisdiction of Krishna University, Machilipatnam)

PG Department Of Computer Science

Add-on Course: Machine Learning

Duration: 10-10-2019 to 14-12-2019

STUDENT ENROLLMENT SHEET

Regd. No.	Roll No	Student Name	Signature
19055002	402	ACHANTA HARI DURGA JYOTHI	A. Hari durga Jyothi
19055003	403	BALAGAM MURALI KRISHNA	B. Murali krishna
19055005	405	BODDAPATI SYAMALA	B. Syamala.
19055009	409	KURALLA JYOTHIRMAYEE	K. Jyothirmayee
19055013	413	ORUGANTI YAMINI	O. Yamini
19055014	414	PALLAPOTU HARIKA	P. Harika
19055016	416	REGANA GANDHI	R. Gandhi
19055018	418	SINGANAPALLI NAGA SAI	S. Naga Sai
19055021	421	VEMAVARAPU DIVYA	V. Divya.
19055022	422	ABDUL SHAHIN SULTHANA	A. Shahin Sulthana
19055025	425	UMMALETI NIKHIL	U. Nikhil
19056001	601	ANKEM VENU GOPAL	A. V. Gopal
19056008	609	KOSURU MANASA	K. Manasa.
19056011	612	PADAMATA RAMYA	P. Ramya
19056014	615	PASUPULETI ANUSHA	P. Anusha
19056019	619	VATTEM SOWJANYA	V. Sowjanya
19056021	621	VINNAKOTA HARINI	V. Harini
19056022	622	YALAMANCHILI DEVASRI	Y. Devasri
19056007	608	KODALI RAJA	K. Raja.
19056020	620	VEERLA SRAVANI	V. Sravani

AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE

Duration: 10-10-2019 to 14-12-2019 Year: 2019-2020 Topic: Machine Learing Lecturer: A.Durga Bhavani

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
402	ACHANTA HARI DURGA JYOTHI																															30
403	BALAGAM MURALI KRISHNA																															30
405	BODDAPATI SYAMALA																															30
409	KURALLA JYOTHIRMAYEE																															30
413	ORUGANTI YAMINI																															30
414	PALLAPOTU HARIKA																															30
416	REGANA GANDHI																															30
418	SINGANAPALLI NAGA SAI																															30
421	VEMAVARAPU DIVYA																															30
422	ABDUL SHAHIN SULTHANA																															30
425	UMMALETI NIKHIL																															30
601	ANKEM VENU GOPAL																															30
609	KOSURU MANASA																															30
612	PADAMATA RAMYA																															30
615	PASUPULETI ANUSHA																															30
619	VATTEM SOWJANYA																															30
621	VINNAKOTA HARINI																															30
622	YALAMANCHILI DEVASRI																															30
608	KODALI RAJA																															24
620	VEERLA SRAVANI																															29
	Signature																															

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

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PG Department Of Computer Science

Add-on Course: Machine Learning

Date of Exam :20-12-2019 **Name of Lecturer Valued:A.Durga Bhavani** **Max.Marks: 50**

Regd. No.	Roll No	Student Name	Marks In Fig	Marks InWords
19055002	402	ACHANTA HARI DURGA JYOTHI	31	thirty one only
19055003	403	BALAGAM MURALI KRISHNA	40	forty only
19055005	405	BODDAPATI SYAMALA	42	forty Two only
19055009	409	KURALLA JYOTHIRMAYEE	39	thirty nine
19055013	413	ORUGANTI YAMINI	39	thirty nine
19055014	414	PALLAPOTU HARIKA	41	forty one
19055016	416	REGANA GANDHI	42	forty Two
19055018	418	SINGANAPALLI NAGA SAI	40	forty
19055021	421	VEMAVARAPU DIVYA	41	forty one
19055022	422	ABDUL SHAHIN SULTHANA	41	forty one
19055025	425	UMMALETI NIKHIL	42	forty Two
19056001	601	ANKEM VENU GOPAL	43	forty three
19056008	609	KOSURU MANASA	36	Thirty six
19056011	612	PADAMATA RAMYA	41	forty one
19056014	615	PASUPULETI ANUSHA	42	forty Two
19056019	619	VATTEM SOWJANYA	42	forty Two
19056021	621	VINNAKOTA HARINI	32	thirty Two
19056022	622	YALAMANCHILI DEVASRI	43	forty three
19056007	608	KODALI RAJA	24	Twenty four
19056020	620	VEERLA SRAVANI	41	forty one

Head of the Department

A. Durga Bhavani
Lecturer

Principal / Director

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

PG Department of Computer Science

Add-on course on

"Machine Learning"

Syllabus

Course Objective: To be able to apply machine learning algorithms to solve problems of moderate complexity. To apply the algorithms to a real-world problem, optimize the models learned and report on the expected accuracy that can be achieved by applying the models

Course Outcomes:

Upon successful completion of the course, a student will be able to:

1. Understand the features of machine learning to apply on real world problems.
2. Characterize the machine learning algorithms as supervised learning and unsupervised learning and Apply and analyze the various algorithms of supervised and unsupervised learning.
3. Analyze the concept of neural networks for learning linear and non-linear activation functions
4. Learn the concepts in Bayesian analysis from probability models and methods .
5. Understand the fundamental concepts of Genetic Algorithm and Analyze and design the genetic algorithms for optimization engineering problems.

Unit–1:

Introduction, what is machine learning ,what is artificial intelligence(AI),Machine Learning vs AI, Machine Learning vs Deep Learning, Required Maths- Linear Algebra, Probability, Statistics.

Unit-II: Type of Machine Learning

Supervised, Unsupervised, Reinforcement, Tool Kit- Python Basics, Numpy, Pandas,Matplotlib, Scikit-learn or sklearn Library, Dimension Reductionality- Data Analysis using principal component analysis(PC), Data Visualization.

Unit – III:

Text processing to features, Supervised algorithms, Unsupervised, Feature Extraction and Selection, Bias Variance, Under fitting and over fitting, sample projects,

Reference Books:

1. Ethem Alpaydin, Introduction to Machine Learning, Second Edition,The MIT Press Cambridge, Massachusetts London, England.
2. Ethem Alpaydin, Introduction to Machine Learning, Third Edition PHI Learning Ltd.

Dr. M. Babu Reddy	Dr. B.R.S. Reddy	M. Ratnakar	Ch. Mallika
University Nominee	Subject Expert	Subject Expert	Chairperson

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

PG Department of Computer Science

Add-on Course On

"Machine Learning"

Time: 2 Hours | Max marks: 50 | Pass marks: 25

Registered Number:

Name of the student:

Name of the Programme:

Answer the Following Questions:

1. What is the purpose of regularization in machine learning?
   a) Reduce bias
   b) Increase variance
   c) Over fit the model
   d) Improve accuracy

2. Which algorithm is a type of unsupervised learning?
   a) Decision Tree
   b) K-Nearest Neighbors (KNN)
   c) Linear Regression
   d) K-Means Clustering

3. What does the term "bias-variance tradeoff" refer to in machine learning?
   a) Balancing model complexity with computational cost
   b) Balancing the model's ability to fit the training data and generalize to new data
   c) Tradeoff between precision and recall
   d) Balancing feature selection and feature extraction

4. Which evaluation metric is appropriate for a classification problem with imbalanced classes?
   a) Accuracy
   b) F1-score
   c) Mean Squared Error (MSE)
   d) R-squared

5. Which technique is used to handle missing data in a dataset?
   a) Removing the rows with missing data
   b) Replacing missing values with the median
   c) Interpolation
   d) All of the above

6. What is the purpose of the activation function in a neural network?
   a) Define the learning rate
   b) Normalize the input data
   c) Introduce non-linearity
   d) Initialize the weights

7. In which phase of the machine learning pipeline would feature scaling typically be applied?
   a) Data preprocessing
   b) Model selection
   c) Model training
   d) Model evaluation

8. What is the purpose of the term "epochs" in neural network training?
   a) Learning rate adjustment
   b) Initialization of weights
   c) Number of times the entire dataset is passed forward and backward through the neural network
   d) Evaluation of validation data

9. Which algorithm is sensitive to outliers in the dataset?
   a) Decision Trees
   b) Support Vector Machines (SVM)
   c) K-Means Clustering
   d) Naive Bayes

10. What is the objective of cross-validation in machine learning?
   a) To train the model on all available data
   b) To test the model on an independent dataset
   c) To evaluate the model's performance while maximizing the use of data
   d) To fit the model with the least computational cost

11. Which type of learning algorithm uses labeled data for training?
   a) Supervised learning
   b) Unsupervised learning
   c) Reinforcement learning
   d) Semi-supervised learning

12. What is the primary purpose of a validation dataset in machine learning?
   a) To train the model
   b) To test the model's performance
   c) To fine-tune hyper parameters and avoid over fitting
   d) To validate the target variable

13. Which type of machine learning problem involves predicting continuous values?
   a) Classification
   b) Regression
   c) Clustering
   d) Dimensionality reduction

14. In machine learning, what does the term "feature engineering" refer to?
   a) Training a model using a large number of features
   b) Selecting the most important features
   c) Creating new features from existing data
   d) Scaling the features before training

15. Which method is used to split a dataset into training and test sets in supervised learning?
   a) Splitting randomly
   b) Sorting the data
   c) Shuffle and split
   d) Assigning manually

16. What does the confusion matrix in classification show?
   a) The accuracy of the model
   b) True positive, true negative, false positive, and false negative values
   c) Precision and recall
   d) F1-score and accuracy

17. Which technique is used to address overfitting in machine learning models?
   a) Feature scaling
   b) Regularization
   c) Increasing model complexity
   d) Using a larger training dataset

18. What does the term "ensemble learning" refer to in machine learning?
   a) Training multiple models independently
   b) Combining predictions from multiple models to improve performance
   c) Reducing the number of features in the dataset
   d) Performing feature selection iteratively

19. Which algorithm is sensitive to feature scaling?
   a) Decision Trees
   b) Naive Bayes
   c) Support Vector Machines (SVM)
   d) K-Means Clustering

20. What is the purpose of the "test set" in machine learning?
   a) To train the model
   b) To evaluate the model's performance on unseen data
   c) To fine-tune hyperparameters
   d) To increase the model's complexity

21. Which term best describes the process of reducing the dimensionality of a dataset while preserving its significant information?
   a) Dimensionality addition
   b) Dimensionality reduction
   c) Dimensionality merging
   d) Dimensionality scaling

22. What is the main goal of the "feature selection" process in machine learning?
   a) Creating new features from existing ones
   b) Reducing computational complexity
   c) Selecting the most relevant features for the model
   d) Scaling all features uniformly

23. Which method is commonly used for handling categorical data in machine learning?
   a) One-hot encoding
   b) Standardization
   c) Normalization
   d) Binarization

24. Which term refers to the output value predicted by a machine learning model?
   a) Target variable
   b) Dependent variable
   c) Independent variable
   d) Predictive variable

25. What does the term "underfitting" mean in machine learning?
a) The model fits the training data too well
b) The model performs poorly on both training and test data
c) The model performs well on training data but poorly on test data
d) The model is too simple to capture the underlying patterns in the data

26. Which algorithm is used for regression problems with a large number of features?
a) Decision Trees
b) Linear Regression
c) K-Nearest Neighbors (KNN)
d) Random Forest

27. In machine learning, what is the purpose of a learning rate in gradient descent optimization?
a) To determine the number of iterations
b) To prevent overfitting
c) To specify the size of steps taken towards the minimum
d) To define the number of features used in the model

28. What is the primary objective of the "train-test split" strategy in machine learning?
a) To train multiple models simultaneously
b) To test the model on a separate dataset
c) To ensure the model fits the training data perfectly
d) To assess the model's performance on unseen data

29. Which evaluation metric is suitable for imbalanced classification problems?
a) Accuracy
b) Precision
c) R-squared
d) Mean Absolute Error (MAE)

30. What is the purpose of the activation function in a neural network?
a) Normalizing input data
b) Initializing weights
c) Introducing non-linearity
d) Reducing model complexity

31. Which type of machine learning model aims to mimic the decision-making process of the human brain?
a) Support Vector Machines (SVM)
b) Decision Trees
c) Neural Networks
d) K-Means Clustering

32. What is the primary purpose of the "train-validation-test" split in machine learning?
a) To train the model on all available data
b) To validate the model on unseen data
c) To test the model's performance on the training data
d) To validate and optimize the model's parameters

33. Which technique is used for reducing overfitting in neural networks?
a) Increasing the number of epochs
b) Adding more layers to the network
c) Applying dropout
d) Decreasing the learning rate

43. Which method is used to handle categorical variables with high cardinality?
a) Label Encoding
b) One-Hot Encoding
c) Ordinal Encoding
d) Binarization

44. What is the primary purpose of the bias term in a neural network?
a) To handle overfitting
b) To introduce non-linearity
c) To offset the network's tendency to fit the data
d) To initialize the weights

45. Which evaluation metric is suitable for regression problems?
a) Accuracy
b) F1-score
c) R-squared
d) Precision

46. What does the term "feature scaling" refer to in machine learning?
a) Reducing the number of features in the dataset
b) Normalizing the range of features
c) Selecting the most important features
d) Encoding categorical variables

47. Which method is used to handle missing data by estimating the missing values based on other observed values?
a) Mean imputation
b) Median imputation
c) Mode imputation
d) Interpolation

48. In machine learning, what does the term "bagging" refer to?
a) Boosting multiple weak models
b) Combining multiple predictions to make a final prediction
c) Using a single model for training and testing
d) Parallel training of multiple models

49. Which type of machine learning algorithm learns to perform a task by observing examples?
a) Supervised learning
b) Unsupervised learning
c) Reinforcement learning
d) Semi-supervised learning

50. Which technique is used to combat overfitting by randomly dropping neurons during training?
a) Gradient boosting
b) L1 regularization
c) L2 regularization
d) Dropout regularization

34. What does the term "batch size" refer to in neural network training?
a) The number of layers in the network
b) The number of epochs
c) The number of training examples processed per iteration
d) The number of neurons in the output layer

35. Which method is used to handle class imbalance in a classification problem?
a) Oversampling the minority class
b) Removing the majority class
c) Ignoring the imbalance
d) Reducing the number of features

36. What does the term "overfitting" mean in machine learning?
a) The model fits the training data too well
b) The model performs well on unseen data
c) The model is too simple to capture data patterns
d) The model generalizes well to new data

37. Which algorithm is used for both classification and regression problems?
a) K-Means Clustering
b) Decision Trees
c) Linear Regression
d) K-Nearest Neighbors (KNN)

38. What is the purpose of the loss function in a machine learning model?
a) To minimize the model's accuracy
b) To measure the model's performance
c) To maximize the number of iterations
d) To prevent overfitting

39. In machine learning, what does the term "hyperparameter" refer to?
a) Parameters learned during training
b) Parameters set by the learning algorithm before training
c) Parameters that control the learning process
d) Parameters that are irrelevant to the model's performance

40. Which technique is used to avoid data leakage in machine learning?
a) Feature scaling
b) Feature engineering
c) Cross-validation
d) Train-test splitting

41. Which algorithm is sensitive to the distance metric chosen?
a) Decision Trees
b) Naive Bayes
c) K-Nearest Neighbors (KNN)
d) Random Forest

42. What does the term "underfitting" mean in machine learning?
a) The model fits the training data too well
b) The model performs poorly on both training and test data
c) The model performs well on training data but poorly on test data
d) The model is too simple to capture the underlying patterns in the data

ML ANSWERS

1. **Answer: a) Reduce bias**

2. **Answer: d) K-Means Clustering**

3. **Answer: b) Balancing the model's ability to fit the training data and generalize to new data**

4. **Answer: b) F1-score**

5. **Answer: d) All of the above**

6. **Answer: c) Introduce non-linearity**

7. **Answer: a) Data preprocessing**

8. **Answer: c) Number of times the entire dataset is passed forward and backward through the neural network**

9. **Answer: a) Decision Trees**

10. **Answer: c) To evaluate the model's performance while maximizing the use of data**

11. **Answer: a) Supervised learning**

12. **Answer: c) To fine-tune hyperparameters and avoid overfitting**

13. **Answer: b) Regression**

14. **Answer: c) Creating new features from existing data**

15. **Answer: c) Shuffle and split**

16. **Answer: b) True positive, true negative, false positive, and false negative values**

17. **Answer: b) Regularization**

18. **Answer: b) Combining predictions from multiple models to improve performance**

19. **Answer: c) Support Vector Machines (SVM)**

20. **Answer: b) To evaluate the model's performance on unseen data**

21. **Answer: b) Dimensionality reduction**

22. **Answer: c) Selecting the most relevant features for the model**

23. **Answer: a) One-hot encoding**

24. **Answer: a) Target variable**

25. **Answer: d) The model is too simple to capture the underlying patterns in the data**

26. **Answer: d) Random Forest**

27. **Answer: c) To specify the size of steps taken towards the minimum**

28. **Answer: d) To assess the model's performance on unseen data**

29. **Answer: b) Precision**

30. **Answer: c) Introducing non-linearity**

31. **Answer: c) Neural Networks**

32. **Answer: d) To validate and optimize the model's parameters**

33. **Answer: c) Applying dropout**

34. **Answer: c) The number of training examples processed per iteration**

35. **Answer: a) Oversampling the minority class**

36. **Answer: a) The model fits the training data too well**

37. **Answer: b) Decision Trees**

38. **Answer: b) To measure the model's performance**

39. **Answer: c) Parameters that control the learning process**

40. **Answer: c) Cross-validation**

41. **Answer: c) K-Nearest Neighbors (KNN)**

42. **Answer: d) The model is too simple to capture the underlying patterns in the data**

43. **Answer: a) Label Encoding**

44. **Answer: c) To offset the network's tendency to fit the data**

45. **Answer: c) R-squared**

46. **Answer: b) Normalizing the range of features**

47. **Answer: d) Interpolation**

48. **Answer: a) Boosting multiple weak models**

49. **Answer: a) Supervised learning**

50. **Answer: d) Dropout regularization**

19-20

AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
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An ISO 9001:2015 Certified Organization

PG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

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7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

A. Vanajyothi

Signature of the Student

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7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)
8. Do you have any suggestions on the programme? (Yes / No)

B Mounika
Signature of the Student

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7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

V. Sravanthi

Signature of the Student

AKKINENI NAGESWARA RAO COLLEGE

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PG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

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2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

O. Yamini
Signature of the Student

AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)

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UG DEPARTMENT OF COMPUTER SCIENCE

Add-On Course/Certificate Course

On

Cloud Computing

2020-2021

Course Code: ACUGCS201

Duration: 22-02-2020 to 01-04-2020 (30 Days)

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Computer Science

Add-on Course: Cloud Computing

Duration:22-02-2020 to 01-04-2020

STUDENT ENROLLMENT SHEET

Regd. No.	Roll No	Student Name	Signature
20105310	610	DEVARA NAGA ANUSHA	D. Naga Anusha
20105312	612	GABBITA SAI SRAVANTHI	G. Sai Sravanthi
20105328	626	MUPPIDI UMA NAGA SREE	M. Uma naga sree
20105329	627	NARISETTI RAMADEVI	N. Ramadevi
20105331	628	PADAMATA NAGA VENKATA SAI	P. N. V. Sai
20105332	629	PALANCHU APARNA	P. Aparna
20105336	633	POTHUBOINA KIRAN KUMAR	P. Kiran Kumar
20105339	636	PUVVULA NAGA MURAHARI SAI VYSHNAVI	P. N. M. S. Vyshnavi
20105345	642	SITALA SYAM PRASAD	S. Syam Prasad
20105348	645	UDDAGIRI ROSHITHA	U. Roshitha
20105505	503	BODDU JAMINI	B. Jamini
20105507	505	BORRA DEEKSHITHA	B. Deekshitha
20105510	508	DUBA SREEYA	D. Sreeya
20105513	511	GOLLAPOTHU VINAY KUMAR	G. Vinay kumar
20105520	518	KANDULA PAVANI	K. Pavani
20105536	533	MOHAMMAD SIKANDAR	Mohammad Sikandar
20105539	536	MUSINADA LIKITHA GAYATHRI	M. Likitha Gayathri
20105545	542	NERSU BHARGAVI	N. Bhargavi
20105546	543	NETHITTI SATYAVATHI	N. Satyavathi
20105552	549	PENUMAKA JAHNAVI	P. Jahnavi
20105610	410	BOMMASANI KAVYA SRI	B. Kavya Sri
20105613	413	BURLA NAGA SIRISHA	B. Naga Sirisha
20105625	425	GUNDE SIRI	G. Siri
20105627	427	KALEPALLI HARITHA SRI	K. Haritha Sri
20105643	443	MOHAMMAD AAKHIL	MD. Aakhil
20105645	445	MUTYALA TEJASWI	M. Tejaswi
20105650	450	PABBISETTY GIRISHMA	P. Girishma
20105651	451	PERUMALLA M N VENKAT A SIREESHA	P. M.N.V.A. Sireesha
20105662	462	THATTUKOLLA SRI THRIVENI	T. Sri Thriveni
20105665	464	VIKKURTHI RAJITHA	V. Rajitha

AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE

Duration: 22-02-2020 to 01-04-2020 Year: 2020--2021 Topic: Cloud Computing Lecturer: A.Durga Bhavani

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
		24/2	25/2	26/2	27/2	28/2	29/2	2/3	3/3	4/3	5/3	6/3	7/3	9/3	10/3	11/3	12/3	13/3	16/3	17/3	18/3	19/3	20/3	21/3	23/3	24/3	25/3	26/3	27/3	28/3	31/3	30
610	DEVARA NAGA ANUSHA	X	X	X	X	X	X	X	X	X	a	X	X	X	X	X	X	X	a	X	X	X	X	X	a	X	X	X	X	X	X	27
612	GABBITA SAI SRAVANTHI	a	X	X	X	X	a	X	X	X	X	a	X	X	X	X	X	X	X	a	X	X	a	X	X	X	a	X	a	X	X	23
626	MUPPIDI UMA NAGA SREE	a	a	X	X	X	X	X	X	a	X	X	X	a	X	X	X	a	X	X	X	X	X	a	X	a	X	X	X	X	a	22
627	NARISETTI RAMADEVI	X	X	X	X	X	X	X	X	a	X	X	X	X	X	a	X	X	X	a	X	X	X	X	a	X	X	X	a	X	X	25
628	PADAMATA NAGA VENKATA SAI	X	X	a	X	X	a	X	X	X	X	a	X	X	X	X	X	a	X	X	X	X	X	a	X	X	X	X	X	a	X	24
629	PALANCHU APARNA	a	X	X	X	X	X	a	a	X	X	X	X	a	a	a	X	X	X	X	X	X	a	X	X	X	X	a	X	X	X	22
633	POTHUBOINA KIRAN KUMAR	X	X	a	X	X	X	a	a	X	X	X	a	X	X	X	X	X	a	X	X	a	X	X	X	X	a	X	X	X	X	23
636	PUVVULA NAGA MURAHARI SAI	X	X	X	X	a	a	X	X	X	a	X	X	a	X	X	X	X	X	a	X	X	a	X	X	X	X	a	X	X	X	23
642	SITALA SYAM PRASAD	a	a	X	X	X	X	a	a	X	X	X	X	X	X	a	X	a	X	a	X	X	a	X	X	X	X	a	X	X	a	20
645	UDDAGIRI ROSHITHA	a	X	X	X	a	X	X	X	a	X	X	a	X	X	X	a	X	X	X	X	X	X	X	a	X	X	X	a	X	X	23
503	BODDU JAMINI	a	a	a	a	X	X	X	X	X	X	X	X	a	X	X	X	X	a	a	X	X	a	a	X	X	X	X	a	a		19
505	BORRA DEEKSHITHA	X	X	X	X	X	X	X	X	X	X	X	X	X	a	X	X	X	X	X	X	X	X	X	X	X	a	X	X	X	X	29
508	DUBA SREEYA	X	X	X	X	X	X	X	a	X	X	X	X	X	X	X	a	X	X	X	X	X	X	X	a	X	X	X	X	X	a	26
511	GOLLAPOTHU VINAY KUMAR	X	a	X	X	X	a	X	X	a	X	a	X	X	X	X	X	a	X	X	a	X	X	X	a	X	X	a	X	X	a	21
518	KANDULA PAVANI	a	X	X	a	X	X	X	X	X	a	X	X	X	a	X	X	X	a	X	X	X	X	X	X	X	a	X	X	X	X	24
533	MOHAMMAD SIKANDAR	a	X	X	a	X	X	a	X	X	a	X	X	a	X	X	a	X	X	a	X	X	a	X	X	a	X	X	a	X	X	20
536	MUSINADA LIKITHA GAYATHRI	a	a	a	a	a	a	a	a	a	a	X	a	a	a	X	a	a	a	X	a	a	X	a	a	X	a	a	X	a	a	06
542	NERSU BHARGAVI	X	X	a	X	X	X	a	X	X	X	X	a	X	X	X	X	a	X	X	X	X	X	a	X	X	X	a	X	X	X	24
543	NETHITTI SATYAVATHI	a	X	X	X	a	X	X	X	X	a	X	X	X	X	a	X	X	X	a	X	X	a	X	X	a	X	X	a	X	X	22
549	PENUMAKA JAHNAVI	a	X	X	X	a	X	X	X	a	X	X	X	a	X	X	X	a	X	X	X	X	a	X	X	X	a	X	X	a	X	22
410	BOMMASANI KAVYA SRI	a	a	a	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	27
413	BURLA NAGA SIRISHA	X	X	X	X	X	X	X	X	X	X	X	X	a	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	29
425	GUNDE SIRI	a	X	X	X	X	X	a	X	X	X	X	a	X	X	X	X	X	a	X	X	X	a	X	X	a	X	X	a	X	a	22
427	KALEPALLI HARITHA SRI	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	30
443	MOHAMMAD AAKHIL	X	a	X	X	X	X	X	X	X	X	X	X	X	X	X	a	X	X	X	X	X	a	X	X	X	X	X	X	X	X	27
445	MUTYALA TEJASWI	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	30
450	PABBISETTY GIRISHMA	a	X	X	a	X	X	X	a	X	X	X	a	X	X	X	a	X	X	a	X	X	a	X	X	a	X	X	a	X	X	21
451	PERUMALLA M N VENKAT A SIREESHA	X	X	a	X	X	X	a	X	X	X	a	X	X	X	a	X	X	a	X	X	a	X	X	X	a	X	X	a	a	a	20
462	THATTUKOLLA SRI THRIVENI	a	X	X	X	a	X	X	a	a	a	a	a	a	a	a	a	X	a	a	a	a	a	a	a	a	a	X	a	a		07
464	VIKKURTHI RAJITHA	X	X	X	X	X	X	X	X	X	X	X	a	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	29
	Signature																															

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department of Computer Science

Add-on Course on

CLOUD COMPUTING

Syllabus

Course Objective:

The student will earn about the cloud environment, building software systems and components that scale to millions of users in modern internet, cloud concepts capabilities across the various cloud service models including Iaas, Paas, Saas, and developing cloud-based software applications on top of cloud platforms.

Course Outcomes

1. Compare the strengths and limitations of cloud computing
2. Identify the architecture, infrastructure and delivery models of cloud computing
3. Apply suitable virtualization concept.
4. Choose the appropriate cloud player, Programming Models and approach.

Unit I

Cloud Computing Overview–Origins of Cloud computing – Cloud components –Essential characteristics – On-demand self-service, Broad network access, Location independent resource pooling, Rapid elasticity, Measured service.

Cloud architecture: Cloud delivery model–SPI framework, SPI evolution, SPI vs. traditional IT Model.

Unit II

Software as a Service (SaaS): SaaS service providers – Google App Engine, Salesforce. command google platfrom–Benefits–Operationalbenefits-Economicbenefits–Evaluating SaaS **Platform as a Service** (PaaS): PaaS service providers–Right Scale–Salesforce.com– Rackspace– Force.com–Services and Benefits.

Infrastructure as a Service (IaaS): IaaS service providers – Amazon EC2, Go Grid –Microsoft soft implementation and support – Amazon EC service level agreement –Recent developments–Benefits.

Unit III

Virtualization: Virtualization and cloud computing – Need of virtualization–cost, administration, fast deployment, reduce infrastructure cost–limitations.

Reference Books

1. Cloud computing a practical approach- Anthony T. Velte, Toby J. Velte Robert Elsenpeter TATA Mc Graw-Hill, New Delhi- 2010
2. Cloud Computing: Web-Based Applications That Change the Way You Work and Collaborate Online – Michael Miller- Que2008

Dr. M. Babu Reddy	Dr. P.Bharathi Devi	K. Sridhar	Dr. P.J.S. Kumar
University Nominee	Subject Expert	Subject Expert	Chairperson

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

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UG Department of Computer Science

Add-on Course On

CLOUD COMPUTING

Time: 2 Hours | Max marks: 50 | Pass marks: 25

Registered Number:

Name of The student:

Name of the programmee:

Answer the Following Questions:

1. Which of the following are the features of cloud computing?

a) Security
b) Availability
c) Large Network Access
d) All of the mentioned

2. Who is the father of cloud computing?

a) Sharon B. Codd
b) Edgar Frank Codd
c) J.C.R. Licklider
d) Charles Bachman

3. Which of the following is not a type of cloud server?

a) Public Cloud Servers
b) Private Cloud Servers
c) Dedicated Cloud Servers
d) Merged Cloud Servers

4. What is Cloud Computing?

a) Cloud Computing means providing services like storage. servers, database. networking. etc
b) Cloud Computing means storing data in a database
c) Cloud Computing is a tool used to create an application
d) None of the mentioned

5. Which of the following is a type of cloud computing service?
a) Service-as-a-Software (SaaS)
b) Software-and-a-Server (SaaS)
c) Software-as-a-Service (SaaS)
d) Software-as-a-Server (SaaS)

6. Which of the following is the application of cloud computing?
a) Adobe
b) Paypal
c) Google G Suite
d) All of the above

7. Which of the following is an example of the cloud?
a) Amazon Web Services (AWS)
b) Dropbox
c) Cisco WebEx
d) All of the above

8. Which of the following is an example of an IaaS Cloud service?
a) DigitalOcean
b) Linode
c) Rackspace
d) All of the above

9. Which of the following is an example of a PaaS cloud service?
a) Heroku
b) AWS Elastic Beanstalk
c) Windows Azure
d) All of the above

10. Applications and services that run on a distributed network using virtualized resources is known as _____
a) Parallel computing
b) Soft computing
c) Distributed computing
d) Cloud computing

11. Which of the following is the correct statement about cloud computing?
a) Cloud computing abstracts systems by pooling and sharing resources
b) Cloud computing is nothing more than the Internet
c) The use of the word "cloud" makes reference to the two essential concepts
d) All of the mentioned

12. Point out the wrong statement.
a) Azure enables .NET Framework applications to run over the Internet

b) Cloud Computing has two distinct sets of models
c) Amazon has built a worldwide network of datacenters to service its search engine
d) None of the mentioned

13. Which of the following model attempts to categorize a cloud network based on four dimensional factors?
a) Cloud Cube
b) Cloud Square
c) Cloud Service
d) All of the mentioned

14. Which of the following is the correct statement about cloud types?
a) Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network's firewall no longer applies in cloud computing
b) A deployment model defines the purpose of the cloud and the nature of how the cloud is located
c) Service model defines the purpose of the cloud and the nature of how the cloud is located
d) All of the mentioned

15. Which architectural layer is used as a backend in cloud computing?
a) cloud
b) soft
c) client
d) all of the mentioned

16. All cloud computing applications suffer from the inherent _____ that is intrinsic in their WAN connectivity.
a) noise
b) propagation
c) latency
d) all of the mentioned

17. Which of the following architectural standards is working with cloud computing industry?
a) Web-application frameworks
b) Service-oriented architecture
c) Standardized Web services
d) All of the mentioned

18. Which of the following is the correct statement?
a) Cloud computing presents new opportunities to users and developers
b) Service Level Agreements (SLAs) is small aspect of cloud computing
c) Cloud computing does not have impact on software licensing
d) All of the mentioned

19. What is the correct formula to calculate the cost of a cloud computing deployment?
a) CostCLOUD = Σ(UnitCostCLOUD / (Revenue + CostCLOUD))
b) CostCLOUD = Σ(UnitCostCLOUD / (Revenue – CostCLOUD))
c) CostCLOUD = Σ(UnitCostCLOUD x (Revenue – CostCLOUD))
d) None of the mentioned

20. Identify the correct statement about cloud computing.
a) Cloud computing relies on a set of protocols needed to manage interprocess communications
b) Platforms are used to create more complex software
c) Cloud architecture can couple software running on virtualized hardware in multiple locations to provide an on-demand service
d) All of the mentioned

21. Identify the wrong statement about cloud computing.
a) Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made
b) Virtual appliances are becoming a very important standard cloud computing deployment object
c) Cloud computing requires some standard protocols
d) None of the mentioned

22. Which of the following is the wrong statement about cloud computing?
a) Private cloud doesn't employ the same level of virtualization
b) Data center operates under average loads
c) Private cloud doesn't pooling of resources that a cloud computing provider can achieve
d) Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

23. Point out the wrong statement.
a) Cloud services span the gamut of computer applications
b) The impact of cloud computing on network communication is to discourage the use of open source network protocols in place of proprietary protocol
c) Atom is a syndication format that allows for HTTP protocols to create and update informations
d) None of the mentioned

24. Which of the following is required by Cloud Computing?
a) That the identity be authenticated
b) That the authentication be portable
c) That you establish an identity
d) All of the mentioned

25. Cloud computing is a concept that involves pooling physical resources and offering them as which sort of resource?
a) cloud
b) real
c) virtual

d) none of the mentioned

26. Which of the following is the Cloud Platform provided by Amazon?
a) AWS
b) Cloudera
c) Azure
d) All of the mentioned

27. Into which expenditures does Cloud computing shifts capital expenditures?
a) local
b) operating
c) service
d) none of the mentioned

28. Which of the following monitors the performance of the major cloud-based services in real time in Cloud Commons?
a) CloudWatch
b) CloudSensor
c) CloudMetrics
d) All of the mentioned

29. Which of the following is the most essential element in cloud computing by CSA?
a) Virtualization
b) Multi-tenancy
c) Identity and access management
d) All of the mentioned

30. Point out the wrong statement.
a) With a pay-as-you-go, endlessly expandable, and universally available system, cloud computing realises the long-held goal of utility computing
b) The widespread use of the Internet enables the huge size of cloud computing systems
c) Soft computing represents a significant change in the way computers are delivered
d) All of the mentioned

31. Which of the following model consists of the service that you can access on a cloud computing platform?
a) Deployment
b) Service
c) Application
d) None of the mentioned

32. Which of the following is the most important area of concern in cloud computing?
a) Scalability
b) Storage
c) Security

d) All of the mentioned

33. Which of the following is the most refined and restrictive cloud service model?
a) PaaS
b) IaaS
c) SaaS
d) CaaS

34. Which of the following is not a property of cloud computing?
a) virtualization
b) composability
c) scalability
d) all of the mentioned

35. How many phases are there in Cloud Computing Planning?
a) 1
b) 5
c) 3
d) 6

36. In which of the following service models the hardware is virtualized in the cloud?
a) NaaS
b) PaaS
c) CaaS
d) IaaS

37. Which is the most essential concept related to Cloud computing?
a) Abstraction
b) Reliability
c) Productivity
d) All of the mentioned

38 Which of the following is an example of a SaaS cloud service?
a) Google Workspace
b) Dropbox
c) Salesforce
d) All of the above

39. Which of the following is the Virtual machine conversion cloud?
a) Amazon CloudWatch
b) AbiCloud
c) BMC Cloud Computing Initiative
d) None of the mentioned

40. Which of the following is a workflow control and policy based automation service by CA?
a) CA Cloud Compose
b) CA Cloud Insight
c) CA Cloud Optimize

d) CA Cloud Orchestrate

41. An application that provides for transaction overflow in a reservation system is an example of _____

a) cloud bursting
b) cloud provisioning
c) cloud servicing
d) all of the mentioned

42. Which of the following was one of the top 5 cloud applications in 2010?

a) Cloud backup
b) Web applications
c) Business applications
d) All of the mentioned

43. Point out the correct statement.

a) Google's cloud includes perhaps some 10 data centers worldwide
b) Flipkart.com's infrastructure was built to support elastic demand so the system could accommodate peak traffic
c) Data centers have been sited to optimize the overall system latency
d) All of the mentioned

44. Point out the wrong statement.

a) Internet consumes roughly 1 percent of the world's total power
b) The cost advantages of cloud computing have enabled new software vendors to create productivity applications
c) A client can provision computer resources without the need for interaction with cloud service provider personnel
d) None of the mentioned

45. The _____ is something that you can obtain under contract from your vendor.

a) PoS
b) QoS
c) SoS
d) All of the mentioned

46. Which of the following benefit is related to creates resources that are pooled together in a system that supports multi-tenant usage?

a) On-demand self-service
b) Broad network access
c) Resource pooling
d) All of the mentioned

47. All cloud computing applications suffer from the inherent _____ that is intrinsic in their WAN connectivity.

a) propagation
b) latency

c) noise
d) all of the mentioned

48. Cloud computing is a _____ system and it is necessarily unidirectional in nature.
a) stateless
b) stateful
c) reliable
d) all of the mentioned

49. Which of the following architectural standards is working with cloud computing industry?
a) Service-oriented architecture
b) Standardized Web services
c) Web-application frameworks
d) All of the mentioned

50. Which of the following is the most important area of concern in cloud computing?
a) Security
b) Storage
c) Scalability
d) All of the mentioned

Answer Key

1. Answer: d
2. Answer: c
3. Answer: d
4. Answer: a
5. Answer: c
6. Answer: d
7. Answer: d
8. Answer: d
9. Answer: d
10. Answer: d
11. Answer: b
12. Answer: c
13. Answer: a
14. Answer: b
15. Answer: a
16. Answer: c
17. Answer: c
18. Answer: a
19. Answer: b
20. Answer: d
21. Answer: d
22. Answer: a
23. Answer: b.
24. Answer: d
25. Answer: c
26. Answer: a
27. Answer: b
28. Answer: b
29. Answer: b
30. Answer: c
31. Answer: b
32. Answer: b
33. Answer: a
34. Answer: b
35. Answer: c
36. Answer: d
37. Answer: a
38. Answer: d
39Answer: c
40. Answer: d
41. Answer: a
42. Answer: d
43 Answer: c
44 Answer: a
45. Answer: b
46. Answer: a
47. Answer: b
48 Answer: a
49 Answer: c
50 Answer: a

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Computer Science

Add-on Course: Cloud Computing

Date of Exam : 15.04.2020 **Name of Lecturer Valued:** A. Durga Bhavani **Max.Marks: 50**

Regd. No.	Roll No	Student Name	Marks In Fig	Marks InWords
20105310	610	DEVARA NAGA ANUSHA	45	Forty Five only
20105312	612	GABBITA SAI SRAVANTHI	39	Thirty Nine only
20105328	626	MUPPIDI UMA NAGA SREE	42	Forty Two only
20105329	627	NARISETTI RAMADEVI	38	Thirty Eight only
20105331	628	PADAMATA NAGA VENKATA SAI	45	Forty Five only
20105332	629	PALANCHU APARNA	41	Forty one only
20105336	633	POTHUBOINA KIRAN KUMAR	46	Forty Six only
20105339	636	PUVVULA NAGA MURAHARI SAI VYSHNAVI	41	Forty one only
20105345	642	SITALA SYAM PRASAD	36	Thirty Six only
20105348	645	UDDAGIRI ROSHITHA	43	Forty Three only
20105505	503	BODDU JAMINI	42	Forty Two only
20105507	505	BORRA DEEKSHITHA	38	Thirty Eight only
20105510	508	DUBA SREEYA	40	Forty only
20105513	511	GOLLAPOTHU VINAY KUMAR	47	Forty Seven only
20105520	518	KANDULA PAVANI	35	Thirty Five only
20105536	533	MOHAMMAD SIKANDAR	39	Thirty Nine only
20105539	536	MUSINADA LIKITHA GAYATHRI	23	Twenty Three only
20105545	542	NERSU BHARGAVI	43	Forty Three only
20105546	543	NETHITTI SATYAVATHI	40	Forty only
20105552	549	PENUMAKA JAHNAVI	45	Forty Five only
20105610	410	BOMMASANI KAVYA SRI	46	Forty Six
20105613	413	BURLA NAGA SIRISHA	43	Forty Three
20105625	425	GUNDE SIRI	44	Forty Four
20105627	427	KALEPALLI HARITHA SRI	44	Forty Four
20105643	443	MOHAMMAD AAKHIL	46	Forty Six
20105645	445	MUTYALA TEJASWI	44	Forty Four
20105650	450	PABBISETTY GIRISHMA	47	Forty Seven
20105651	451	PERUMALLA M N VENKAT A SIREESHA	42	Forty Two
20105662	462	THATTUKOLLA SRI THRIVENI	23	Twenty Three
20105665	464	VIKKURTHI RAJITHA	47	Forty Seven

Head of the Department

A. Durga Bhavani
Lecturer

Principal / DIRECTOR

AKKINENI NAGESWARA RAO COLLEGE

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An ISO 9001:2015 Certified Organization

UG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

P. Aparna
Signature of the Student

AKKINENI NAGESWARA RAO COLLEGE

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An ISO 9001:2015 Certified Organization

UG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

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7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

MD. Aakhil
Signature of the Student

AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
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An ISO 9001:2015 Certified Organization

PG DEPARTMENT OF COMPUTER SCIENCE

Add-On Course/Certificate Course

On

Object Oriented Programming System

2020-2021

Course Code: ACPGCS201

Duration: 23-11-2020 to 23-01-2021 (30 Days)

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

PG Department Of Computer Science

Add-on Course: Object Oriented Programming System

Duration: 23-11-2020 to 23-01-2021

STUDENT ENROLLMENT SHEET

Regd. No.	Roll No	Student Name	Signature
20054001	402	ADAPA HARIKA	A. Harika.
20054002	401	AREPALLI SIVA NAGA GANESH	A. Naga Ganesh.
20054003	403	AVUTAPALLI LAKSHMI BHAVANI	A. Lakshmi Bhavani
20054004	422	BOYILLA SUMATHI	B. Sumathi
20054017	410	MERUGU BHANU PRASAD	M. Bhanu Prasad
20054018	411	NAMBURI CHIRANJEEVI	N. Chiranjeevi
20054012	425	MANNE MEDHA MANOJA	eMe. Manoj
20054013	407	MARADANI MEENA	M. Meena
20054024	415	PATCHIPULUSU SATYA NAGA SAI SUDHEER	P. Satya Naga Sai Sudheer
20054009	426	KOLUSU HIMA BINDHU	K. Hima bindhu
20054025	429	PEDAVALA NAGA JYOTHI	P. Naga Jyothi
20054026	416	RAJABOINA SRILATHA	R. Srilatha.
20054027	417	SANKULA UDAY KIRAN	S. Uday Kiran
20054028	418	SAYANA HARIKA	S. Harika.
20054029	419	TALAKATURI SRAVANTHI	T. Sravanthi
20054030	430	TUMMALAPALLI SASI RAJESH	T. Sasi Rajesh
20054031	420	VARADA AJAY KUMAR	V. Ajay kumar
20056001	601	KARRE ANITHA	K. Anitha
20056002	602	KHAIRAN BEE	Khairan bee
20056003	603	MANDAPATI NANI	M. Nani
20056004	604	MAREEDU TEJASRI	M. Tejasri
20056005	605	MATTA SRI NAGA SWAPNA	M. S. N. Swapna
20056006	606	VADDADI SAI DURGA	V. Sai Durga

AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE

Duration: 23-11-2020 to 23-01-2021 **Year: 2020--2021** **Topic: Object oriented Programming System** **Lecturer: M.Ravi Sundar**

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
402	ADAPA HARIKA																															30
401	AREPALLI SIVA NAGA GANESH																															30
403	AVUTAPALLI LAKSHMI BHAVANI																															30
422	BOYILLA SUMATHI																															29
410	MERUGU BHANU PRASAD																															30
411	NAMBURI CHIRANJEEVI																															30
425	MANNE MEDHA MANOJA																															30
407	MARADANI MEENA																															30
415	PATCHIPULUSU SATYA NAGA SAI																															30
426	KOLUSU HIMA BINDHU																															30
429	PEDAVALA NAGA JYOTHI																															30
416	RAJABOINA SRILATHA																															30
417	SANKULA UDAY KIRAN																															24
418	SAYANA HARIKA																															30
419	TALAKATURI SRAVANTHI																															30
430	TUMMALAPALLI SASI RAJESH																															30
420	VARADA AJAY KUMAR																															30
601	KARRE ANITHA																															30
602	KHAIRAN BEE																															29
603	MANDAPATI NANI																															30
604	MAREEDU TEJASRI																															30
605	MATTA SRI NAGA SWAPNA																															30
606	VADDADI SAI DURGA																															28
	Signature																															

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

PG Department Of Computer Science

Add-on Course: Object Oriented Programming System

Date of Exam :30-01-2021 **Name of Lecturer Valued:M Ravi sundar** **Max.Marks: 50**

Regd. No.	Roll No	Student Name	Marks In Fig	Marks InWords
20054001	402	ADAPA HARIKA	47	Fourty seven
20054002	401	AREPALLI SIVA NAGA GANESH	48	Fourty Eight
20054003	403	AVUTAPALLI LAKSHMI BHAVANI	45	Fourty Five
20054004	422	BOYILLA SUMATHI	41	Fourty one
20054017	410	MERUGU BHANU PRASAD	39	Thirty Nine
20054018	411	NAMBURI CHIRANJEEVI	39	Thirty Nine
20054012	425	MANNE MEDHA MANOJA	44	Fourty Four
20054013	407	MARADANI MEENA	42	Fourty Two
20054024	415	PATCHIPULUSU SATYA NAGA SAI SUDHEER	41	Fourty one
20054009	426	KOLUSU HIMA BINDHU	43	Fourty Three
20054025	429	PEDAVALA NAGA JYOTHI	41	Fourty one
20054026	416	RAJABOINA SRILATHA	43	Fourty Three
20054027	417	SANKULA UDAY KIRAN	(23)	Twenty Three
20054028	418	SAYANA HARIKA	40	Fourty only
20054029	419	TALAKATURI SRAVANTHI	36	Thirty six
20054030	430	TUMMALAPALLI SASI RAJESH	38	Thirty Eight
20054031	420	VARADA AJAY KUMAR	37	Thirty seven
20056001	601	KARRE ANITHA	39	Thirty Nine
20056002	602	KHAIRAN BEE	38	Thirty Eight
20056003	603	MANDAPATI NANI	49	Fourty Nine
20056004	604	MAREEDU TEJASRI	40	Fourty only
20056005	605	MATTA SRI NAGA SWAPNA	42	Fourty Two
20056006	606	VADDADI SAI DURGA	42	Fourty Two.

Head of the Department

Lecturer

Principal

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

PG Department of Computer Science

Add-on course on

"Object Oriented Programming Systems"

Syllabus

Course Objective: To be able to apply machine learning algorithms to solve problems of moderate complexity. To apply the algorithms to a real-world problem,optimize the models learned and report on the expected accuracy that can be achieved by applying the models

Course Outcomes:

Upon successful completion of the course, a student will be able to:

1. Understand the features of machine learning to apply on real world problems.
2. Characterize the machine learning algorithms as supervised learning and unsupervised learning and Apply and analyze the various algorithms of supervised and unsupervised learning.
3. Analyze the concept of neural networks for learning linear and non-linear activation functions
4. Learn the concepts in Bayesian analysis from probability models and methods .
5. Understand the fundamental concepts of Genetic Algorithm and Analyze and design the genetic algorithms for optimization engineering problems.

Unit–1: Introduction to Java:Features of Java,The Java virtual Machine, Data Types in Java, Literals Operators in Java: Operators, Priority of Operators. Control Statements in Java, Java.util.Scanner Class, Displaying Output with System.out.printf(), Arrays, Strings, Class Methods, Classes and Objects, Constructors, Methods in Java, Static Methods, Static Block, Passing Arrays to Methods, Recursion, Inheritance

Unit–II: Polymorphism with Variables, Polymorphism using Methods, Polymorphism with Static Methods, Type Casting: Types of Data Types, Casting Primitive Data Types, Casting Referenced Data Types, The Object Class, Abstract Classes, Abstract Method and Abstract Class, Interface, Multiple Inheritance using Interfaces.

Dr. M. Babu Reddy	Dr. B.R.S. Reddy	M. Ratnakar	Ch. Mallika
University Nominee	Subject Expert	Subject Expert	Chairperson

Unit – III: Exception Handling: Errors in Java Program, Exceptions, throws Clause, throw Clause, Types of Exceptions, Re–throwing anException, Streams, Stream, Creating a File using FileOutputStream, Reading Data from a File usingFileInputStream, Threads, Single Tasking, Multi Tasking, Uses of Threads, Creating a Thread and Running it, Terminating the Thread, Applets, Creating an Applet, Uses of Applets

Dr. M. Babu Reddy University Nominee	Dr. B.R.S. Reddy Subject Expert	M. Ratnakar Subject Expert	Ch. Mallika Chairperson

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

PG Department of Computer Science

Add-on Course On

"Object Oriented Programming System"

Time: 2 Hours | Max marks: 50 | Pass marks: 25

Registered Number:

Name of the student:

Name of the Programme:

Answer the Following Questions:

1.Who invented Java Programming?
A . Guido van Rossum
B . James Gosling
C . Dennis Ritchie
D . Bjarne Stroustrup

2.Which component is used to compile, debug and execute the java programs?
A . JRE
B . JIT
C . JDK
D . JVM

3.Which one of the following is not a Java feature?
A . Object-oriented
B . Use of pointers
C . Portable
D . Dynamic and Extensible

4.Which of these cannot be used for a variable name in Java?
A . identifier & keyword
B . identifier
C . keyword
D . none of the mentioned

5.Which of the following is a type of polymorphism in Java Programming?
A . Multiple polymorphism
B . Compile time polymorphism
C . Multilevel polymorphism
D . Execution time polymorphism

6.Which of these are selection statements in Java?
A . break
B . continue
C . for()
D . if()

7.Which of the following is a super class of every class in Java?
A . Array List
B . Abstract class
C . Object class
D . String

8.Which one of the following is not an access modifier?
A . Protected
B . Void
C . Public
D . Private

9.What is the numerical range of a char data type in Java?
A . 0 to 256
B . -128 to 127
C . 0 to 65535
D . 0 to 32767

10.In which process, a local variable has the same name as one of the instance variables?
A . Serialization
B . Variable Shadowing
C . Abstraction
D . Multi-threading

11.What do you mean by nameless objects?
A . An object created by using the new keyword.
B . An object of a super class created in the subclass.
C . An object without having any name but having a reference.
D . An object that has no reference.

12.Which option is false about the final keyword?
A . A final method cannot be overridden in its subclasses.
B . A final class cannot be extended.
C . A final class cannot extend other classes.
D . A final method can be inherited.

13.In which memory a String is stored, when we create a string using new operator?
A . Stack
B . String memory
C . Heap memory
D . Random storage space

14.Which of the given methods are of Object class?
A . notify(), wait(long msecs), and synchronized()
B . wait(long msecs), interrupt(), and notifyAll()
C . notify(), notifyAll(), and wait()
D . sleep(long msecs), wait(), and notify()

15.What is the initial quantity of the Array List list?
A . 5
B . 10
C . 0
D . 100

16.What is meant by the classes and objects that dependents on each other?
A . Tight Coupling
B . Cohesion
C . Loose Coupling
D . None of the above

17.Which of this keyword must be used to inherit a class?
A . super
B . this
C . extent
D . extends

18.A class member declared protected becomes a member of subclass of which type?
A . public member
B . private member
C . protected member
D . static member

19.Which of these is correct way of inheriting class A by class B?
A . class B + class A {}
B . class B inherits class A {}
C . class B extends A {}
D . class B extends class A {}

20.Which of these keyword is used to refer to member of base class from a sub class?
A . upper
B . super
C . this
D . none

21.Which inheritance in java programming is not supported?
A . Multiple inheritance using classes
B . Multiple inheritance using interfaces
C . Multilevel inheritance
D . Single inheritance

22.Which of these keywords can be used to prevent inheritance of a class?
A . super
B . constant
C . class
D . final

23.Which of these class relies upon its subclasses for complete implementation of its methods?
A . Object class
B . abstract class
C . ArrayList class
D . None of the mentioned

24.Properties are implemented using ___ in Java.
A . Methods
B . Variables
C . Interfaces
D . All the above

25.Creating an object from a class is also called ____.
A . Initializing
B . Instantiating
C . Interfacing
D . None of the above

26.An object is created at __ time in Java.
A . Compile-time
B . Run time
C . Assembling time
D . None of the above

27.Which of the following statements is a valid declaration of an object that belongs to "MyClas
A . MyClass obj = new MyClass();
B . MyClass obj = new MyClass;
C . obj = new MyClass();
D . new MyClass obj;

28.Which of these operators is used to allocate memory for an object?
A . malloc
B . alloc
C . new
D . realloc

29._____ is the address of the memory location where the object is stored
A . Memory
B . Variable
C . Reference
D . None

30.There is a special portion of memory called the _____ where the object lives.

A . Heap
B . Pile
C . Stack
D . All of these

31.When an object is created, in addition of allocating memory, a special method called _____ is executed to perform initial task.
A . Function
B . Constructor
C . Class
D . Method

32.Every _____ has it`s own set of data
A . Class
B . Variable
C . Operator
D . Object

33.Java has a garbage collector that looks for unused _____ and reclaims the memory that those objects are using.
A . Objects
B . Variables
C . Cells
D . Memory spaces

34.Protection of data is possible with the use of access _____
A . Modifiers
B . Operators
C . Methods
D . None of these

35._____ variables can be accessed without creating an instance of a class
A . public
B . new
C . static
D . private

36.Object-oriented programming languages provides reusability feature using _____
A . polymorphism
B . Abstraction
C . Inheritance
D . Encapsulation

37.Inheritance models _____ relationship between two classes.
A . is-a
B . its-a
C . has-a
D . is-at

38._____ refers more than one method having same name but different parameters?
A . Method overloading
B . Method overriding
C . Duplicate methods
D . All

39._____ members are available as `private` members in the inherited sub class
A . public
B . private
C . protected
D . default

40._____ variables are variables defined within a class but outside any method.
A . Instance
B . Private
C . Local
D . Global

41.Which of these jump statements can skip processing the remainder of the code in its body for a particular iteration?
A . break
B . return
C . exit
D . continue

42.Which of the following is not a decision making statement?
A . if
B . if-else
C . switch
D . do-while

43.Which of these class is super class of String and String Buffer class?
A . java.util
B . java.lang
C . Array List
D . None of the mentioned

44.Which of this method of class String is used to obtain a length of String object?
A . get()
B . Sizeof()
C . lengthof()
D . length()

45.Which of these method of class String is used to extract a single character from a String object?
A . CHARAT()
B . chatat()
C . charAt()
D . ChatAt()

46.Which of these constructors is used to create an empty String object?
A . String()
B . String(void)
C . String(0)
D . None of the mentioned

47.Which of these method of class String is used to compare two String objects for their equality?
A . equals()
B . Equals()
C . isequal()
D . Isequal()

48.Which feature comes under compile time polymorphism?
A . Method overloading
B . Constructor overloading
C . Method overriding
D . Both A and B

49.Final keyword in java is used with
A . class
B . class fields
C . class methods
D . All of the above

50.Which of these keywords can be used to prevent Method overriding?
A . static
B . constant
C . protected
D . final

25.B . Instantiating

26.B . Run time

27.A . MyClass obj = new MyClass();

28.C . new

29.C . Reference

30.A . Heap

31.B . Constructor

32.D . Object

33.A . Objects

34.A . Modifiers

35.C . static

36.C . Inheritance

37.A . is-a

38.A . Method overloading

39.C . protected

40.A . Instance

41.D . continue

42.D . do-while

43.B . java.lang

44.D . length()

45.C . charAt()

46.A . String()

47.A . equals()

48.D . Both A and B

49.D . All of the above

50.D . final

java answers

1.B . James Gosling

2.C . JDK

3.B . Use of pointers

4.C . keyword

5.B . Compile time polymorphism

6.D . if()

7.C . Object class

8.B . Void

9.C . 0 to 65535

10.B . Variable Shadowing

11.D . An object that has no reference.

12.C . A final class cannot extend other classes.

13.C . Heap memory

14.C . notify(), notifyAll(), and wait()

15.B . 10

16.A . Tight Coupling

17.D . extends

18.B . private member

19.C . class B extends A {}

20.B . super

21.A . Multiple inheritance using classes

22.D . final

23.B . abstract class

24.B . Variables

20-21

AKKINENI NAGESWARA RAO COLLEGE

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Autonomous & Affiliated to Krishna University
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An ISO 9001:2015 Certified Organization

PG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

Signature of the Student

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1. Is the programme interested to you? (Yes / No)
2. Have you attended all the session? (Yes / No)
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5. Is the number of hours adequate? (Yes / No)
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Signature of the Student

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UG DEPARTMENT OF COMPUTER SCIENCE

Add-On Course/Certificate Course

On

Cloud Computing

2021-2022

Course Code: ACUGCS211

Duration: 06-12-2021 to 22-01-2022 (30 Days)

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Computer Science

Add-on Course: Cloud Computing

Duration: 06-12-2021 to 22-01-2022

STUDENT ENROLLMENT SHEET

Regd. No.	Roll No	Student Name	Signature
21105305	603	BANDI PALLAVI	B. PALLAVI
21105310	605	CHILUVURI SRUJANA	C. Srujana
21105313	608	DALIPARTHI MANJEERA VENKATA NAGA HARIPRIYA	D. M. V. N. Hari Priya
21105317	611	GUDAPATI HARIKA	G. Harika
21105318	612	GUDLAVALLETI YASASRI	G. Yasa Sri
21105319	614	KESARAPALLI DEEPTHI	K. deepthi
21105326	617	MOHAMMAD RESHMA	M. Reshma
21105328	618	NAGULLA SRAVANI	N. Sravani
21105333	622	PAMARTHI BHAVANA	P. Bhavana
21105340	625	SAYALA DEEPIKA	S. Deepika
21105508	501	CHALAPAKA NAGA SAI SRAVANI	C. N. S. Sravani
21105514	545	GANTASALA MANOJ RAM PRASAD	G. M. Ram Prasad
21105517	517	GUDDETI HARIKA	G. Harika
21105519	536	GUJJALA MANI DEEPIKA	G. M. DEEPIKA
21105520	523	GULLA NIKHITHA	G. NIKHITHA
21105525	538	KAPPAKAYALA JOSHI	K. Joshi
21105536	510	MOHAMMED NAZIYA BEGUM	M. Naziya Begum
21105538	530	NADIMINTI KANAKA MAHA LAKSHMI	N. K. M. Lakshmi
21105540	515	ORUGANTI HEMA CHANDRA MANIKANTA	O. CHANDRA MANIKANTA
21105549	514	PURAMSETTI ARAVIND	P. Aravind
21105605	425	BATHULA MOUNIKA	B. Mounika
21105607	422	BONGU NAGA DURGA BHAVANI	B. N. D. BHAVANI
21105609	459	CH BABY SAROJINI	CH. Baby Sarojini
21105620	412	JAREENA BEGUM	J. Begum
21105630	423	KOWTHARAPU YAKANSHITA	K. Yakanshita
21105634	432	MAHAMMAD SHABEENA	M. Shabeena
21105642	433	NARIGADAPA DHANUSRI	N. Dhanu Sri
21105648	424	PULI DEEPTHI	P. DEEPTHI
21105650	438	RAJABOINA SRI VYSHNAVI	R. S. Vyshnavi
21105658	431	THOTA TRIPURA NAGA	T. Tripura Naga

AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE

Duration: 06-12-2021 to 22-01-2022 Year: 2021-2022 Topic: Cloud Computing Lecturer: A.Durga Bhavani

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
603	BANDI PALLAVI																															30
605	CHILUVURI SRUJANA																															25
608	DALIPARTHI MANJEERA VENKATA NAGA																															23
611	GUDAPATI HARIKA																															28
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618	NAGULLA SRAVANI																															23
622	PAMARTHI BHAVANA																															25
625	SAYALA DEEPIKA																															20
501	CHALAPAKA NAGA SAI SRAVANI																															23
545	GANTASALA MANOJ RAM PRASAD																															26
517	GUDDETI HARIKA																															25
536	GUJJALA MANI DEEPIKA																															08
523	GULLA NIKHITHA																															09
538	KAPPAKAYALA JOSHI																															22
510	MOHAMMED NAZIYA BEGUM																															27
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431	THOTA TRIPURA NAGA																															27
	Signature																															26

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department of Computer Science

Add-on Course on

CLOUD COMPUTING

Syllabus

Course Objective:

The student will earn about the cloud environment, building software systems and components that scale to millions of users in modern internet, cloud concepts capabilities across the various cloud service models including Iaas, Paas, Saas, and developing cloud-based software applications on top of cloud platforms.

Course Outcomes

1. Compare the strengths and limitations of cloud computing
2. Identify the architecture, infrastructure and delivery models of cloud computing
3. Apply suitable virtualization concept.
4. Choose the appropriate cloud player, Programming Models and approach.

Unit I

Cloud Computing Overview–Origins of Cloud computing – Cloud components –Essential characteristics – On-demand self-service, Broad network access, Location independent resource pooling, Rapid elasticity, Measured service.

Cloud architecture: Cloud delivery model–SPI framework, SPI evolution, SPI vs. traditional IT Model.

Unit II

Software as a Service (SaaS): SaaS service providers – Google App Engine, Salesforce. command google platfrom–Benefits–Operationalbenefits-Economicbenefits–Evaluating SaaS **Platform as a Service** (PaaS): PaaS service providers–Right Scale–Salesforce.com– Rackspace– Force.com–Services and Benefits.

Infrastructure as a Service (IaaS): IaaS service providers – Amazon EC2, Go Grid –Microsoft soft implementation and support – Amazon EC service level agreement –Recent developments–Benefits.

Unit III

Virtualization: Virtualization and cloud computing – Need of virtualization–cost, administration, fast deployment, reduce infrastructure cost–limitations.

Reference Books

1. Cloud computing a practical approach- Anthony T. Velte, Toby J. Velte Robert Elsenpeter TATA Mc Graw-Hill, New Delhi- 2010
2. Cloud Computing: Web-Based Applications That Change the Way You Work and Collaborate Online – Michael Miller- Que2008

Dr. M. Babu Reddy	Dr. P.Bharathi Devi	K. Sridhar	Dr. P.J.S. Kumar
University Nominee	Subject Expert	Subject Expert	Chairperson

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department of Computer Science

Add-on Course On

CLOUD COMPUTING

Time: 2 Hours | Max marks: 50 | Pass marks: 25

Registered Number:

Name of The student:

Name of the programmee:

Answer the Following Questions:

1. What is Cloud Computing?
a) Cloud Computing means providing services like storage, servers, database, networking, etc
b) Cloud Computing means storing data in a database
c) Cloud Computing is a tool used to create an application
d) None of the mentioned

2. Who is the father of cloud computing?
a) Sharon B. Codd
b) Edgar Frank Codd
c) J.C.R. Licklider
d) Charles Bachman

3. Which of the following is not a type of cloud server?
a) Public Cloud Servers
b) Private Cloud Servers
c) Dedicated Cloud Servers
d) Merged Cloud Servers

4. Which of the following are the features of cloud computing?
a) Security
b) Availability
c) Large Network Access
d) All of the mentioned

5. Which of the following is a type of cloud computing service?

a) Service-as-a-Software (SaaS)
b) Software-and-a-Server (SaaS)
c) Software-as-a-Service (SaaS)
d) Software-as-a-Server (SaaS)

6. Which of the following is the application of cloud computing?

a) Adobe
b) Paypal
c) Google G Suite
d) All of the above

7. Which of the following is an example of the cloud?

a) Amazon Web Services (AWS)
b) Dropbox
c) Cisco WebEx
d) All of the above

8. Applications and services that run on a distributed network using virtualized resources is known as _____

a) Parallel computing
b) Soft computing
c) Distributed computing
d) Cloud computing

9. Which of the following is an example of a PaaS cloud service?

a) Heroku
b) AWS Elastic Beanstalk
c) Windows Azure
d) All of the above

10. Which of the following is an example of an IaaS Cloud service?

a) DigitalOcean
b) Linode
c) Rackspace
d) All of the above

11. Which of the following is the correct statement about cloud computing?

a) Cloud computing abstracts systems by pooling and sharing resources
b) Cloud computing is nothing more than the Internet
c) The use of the word "cloud" makes reference to the two essential concepts
d) All of the mentioned

12. Point out the wrong statement.
a) Azure enables .NET Framework applications to run over the Internet
b) Cloud Computing has two distinct sets of models
c) Amazon has built a worldwide network of datacenters to service its search engine
d) None of the mentioned

13. Which of the following model attempts to categorize a cloud network based on four dimensional factors?
a) Cloud Cube
b) Cloud Square
c) Cloud Service
d) All of the mentioned

14. Which of the following is the correct statement about cloud types?
a) Cloud Square Model is meant to show is that the traditional notion of a network boundary being the network's firewall no longer applies in cloud computing
b) A deployment model defines the purpose of the cloud and the nature of how the cloud is located
c) Service model defines the purpose of the cloud and the nature of how the cloud is located
d) All of the mentioned

15. Which architectural layer is used as a backend in cloud computing?
a) cloud
b) soft
c) client
d) all of the mentioned

16. All cloud computing applications suffer from the inherent _____ that is intrinsic in their WAN connectivity.
a) noise
b) propagation
c) latency
d) all of the mentioned

17. Which of the following architectural standards is working with cloud computing industry?
a) Web-application frameworks
b) Service-oriented architecture
c) Standardized Web services
d) All of the mentioned

18. Which of the following is the correct statement?
a) Cloud computing presents new opportunities to users and developers
b) Service Level Agreements (SLAs) is small aspect of cloud computing
c) Cloud computing does not have impact on software licensing

d) All of the mentioned

19. What is the correct formula to calculate the cost of a cloud computing deployment?
a) CostCLOUD = Σ(UnitCostCLOUD / (Revenue + CostCLOUD))
b) CostCLOUD = Σ(UnitCostCLOUD / (Revenue – CostCLOUD))
c) CostCLOUD = Σ(UnitCostCLOUD x (Revenue – CostCLOUD))
d) None of the mentioned

20. Which of the following is the wrong statement about cloud computing?
a) Private cloud doesn't employ the same level of virtualization
b) Data center operates under average loads
c) Private cloud doesn't pooling of resources that a cloud computing provider can achieve
d) Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

21. Identify the wrong statement about cloud computing.
a) Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made
b) Virtual appliances are becoming a very important standard cloud computing deployment object
c) Cloud computing requires some standard protocols
d) None of the mentioned

22. Identify the correct statement about cloud computing.
a) Cloud computing relies on a set of protocols needed to manage interprocess communications
b) Platforms are used to create more complex software
c) Cloud architecture can couple software running on virtualized hardware in multiple locations to provide an on-demand service
d) All of the mentioned

23. Point out the wrong statement.
a) Cloud services span the gamut of computer applications
b) The impact of cloud computing on network communication is to discourage the use of open source network protocols in place of proprietary protocol
c) Atom is a syndication format that allows for HTTP protocols to create and update informations
d) None of the mentioned

24. Which of the following is required by Cloud Computing?
a) That the identity be authenticated
b) That the authentication be portable
c) That you establish an identity
d) All of the mentioned

25. Cloud computing is a concept that involves pooling physical resources and offering them as which sort of resource?
a) cloud
b) real
c) virtual
d) none of the mentioned

26. Which of the following is the Cloud Platform provided by Amazon?
a) AWS
b) Cloudera
c) Azure
d) All of the mentioned

27. Into which expenditures does Cloud computing shifts capital expenditures?
a) local
b) operating
c) service
d) none of the mentioned

28. Point out the wrong statement.
a) With a pay-as-you-go, endlessly expandable, and universally available system, cloud computing realises the long-held goal of utility computing
b) The widespread use of the Internet enables the huge size of cloud computing systems
c) Soft computing represents a significant change in the way computers are delivered
d) All of the mentioned

29. Which of the following is the most essential element in cloud computing by CSA?
a) Virtualization
b) Multi-tenancy
c) Identity and access management
d) All of the mentioned

30. Which of the following monitors the performance of the major cloud-based services in real time in Cloud Commons?
a) CloudWatch
b) CloudSensor
c) CloudMetrics
d) All of the mentioned

31. Which of the following model consists of the service that you can access on a cloud computing platform?
a) Deployment
b) Service
c) Application
d) None of the mentioned

32. Which of the following is the most important area of concern in cloud computing?
a) Scalability
b) Storage
c) Security
d) All of the mentioned

33. Which of the following is the most refined and restrictive cloud service model?
a) PaaS
b) IaaS
c) SaaS
d) CaaS

34. Which of the following is not a property of cloud computing?
a) virtualization
b) composability
c) scalability
d) all of the mentioned

35. How many phases are there in Cloud Computing Planning?
a) 1
b) 5
c) 3
d) 6

36. Which of the following is an example of a SaaS cloud service?
a) Google Workspace
b) Dropbox
c) Salesforce
d) All of the above

37. Which is the most essential concept related to Cloud computing?
a) Abstraction
b) Reliability
c) Productivity
d) All of the mentioned

38. In which of the following service models the hardware is virtualized in the cloud?
a) NaaS
b) PaaS
c) CaaS
d) IaaS

39. Which of the following is the Virtual machine conversion cloud?
a) Amazon CloudWatch
b) AbiCloud
c) BMC Cloud Computing Initiative
d) None of the mentioned

40. Which of the following is a workflow control and policy based automation service by CA?
a) CA Cloud Compose
b) CA Cloud Insight
c) CA Cloud Optimize
d) CA Cloud Orchestrate

41. An application that provides for transaction overflow in a reservation system is an example of _____ .
a) cloud bursting
b) cloud provisioning
c) cloud servicing
d) all of the mentioned

42. Which of the following was one of the top 5 cloud applications in 2010?
a) Cloud backup
b) Web applications
c) Business applications
d) All of the mentioned

43. Point out the correct statement.
a) Google's cloud includes perhaps some 10 data centers worldwide
b) Flipkart.com's infrastructure was built to support elastic demand so the system could accommodate peak traffic
c) Data centers have been sited to optimize the overall system latency
d) All of the mentioned

44. Which of the following benefit is related to creates resources that are pooled together in a system that supports multi-tenant usage?
a) On-demand self-service
b) Broad network access
c) Resource pooling
d) All of the mentioned

45. The _____ is something that you can obtain under contract from your vendor.
a) PoS
b) QoS
c) SoS
d) All of the mentioned

46. Point out the wrong statement.

a) Internet consumes roughly 1 percent of the world's total power

b) The cost advantages of cloud computing have enabled new software vendors to create productivity applications

c) A client can provision computer resources without the need for interaction with cloud service provider personnel

d) None of the mentioned

47. All cloud computing applications suffer from the inherent _____ that is intrinsic in their WAN connectivity.

a) propagation

b) latency

c) noise

d) all of the mentioned

48. Cloud computing is a _____ system and it is necessarily unidirectional in nature.

a) seedless

b) useful

c) reliable

d) all of the mentioned

49. Which of the following is the most important area of concern in cloud computing?

a) Security

b) Storage

c) Scalability

d) All of the mentioned

50. Which of the following architectural standards is working with cloud computing industry?

a) Service-oriented architecture

b) Standardized Web services

c) Web-application frameworks

d) All of the mentioned

Answer Key

1. Answer: a
2. Answer: b
3. Answer: d
4. Answer: d
5. Answer: c
6. Answer: c
7. Answer: d
8. Answer: d
9. Answer: d
10. Answer: d
11. Answer: a
12. Answer: c
13. Answer: a
14. Answer: b
15. Answer: a
16. Answer: c
17. Answer: b
18. Answer: a
19. Answer: d
20. Answer: b
21. Answer: d
22. Answer: d
23. Answer: b
24. Answer: d
25. Answer: c
26. Answer: a
27. Answer: a
28. Answer: c
29. Answer: b
30. Answer: b
31. Answer: b
32. Answer: c
33. Answer: a
34. Answer: b
35. Answer: c
36. Answer: d
37. Answer: a
38. Answer: d
39Answer: c
40. Answer: d
41. Answer: a
42. Answer: d
43 Answer: c
44 Answer: a
45. Answer: b
46. Answer: a
47. Answer: b
48 Answer: a
49. Answer: a
50. Answer: c

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Computer Science

Add-on Course: Cloud Computing

Date of Exam : 19.01.2022 **Name of Lecturer Valued: A. Durga Bhavani** **Max.Marks: 50**

Regd. No.	Roll No	Student Name	Marks In Fig	Marks InWords
21105305	603	BANDI PALLAVI	45	Forty Five only
21105310	605	CHILUVURI SRUJANA	29	Twenty Nine only
21105313	608	DALIPARTHI MANJEERA VENKATA NAGA HARIPRIYA	26	Twenty Six Only
21105317	611	GUDAPATI HARIKA	38	Thirty Eight only
21105318	612	GUDLAVALLETI YASASRI	35	Thirty Five only
21105319	614	KESARAPALLI DEEPTHI	43	Forty three only
21105326	617	MOHAMMAD RESHMA	35	Thirty Five only
21105328	618	NAGULLA SRAVANI	31	Thirty One only.
21105333	622	PAMARTHI BHAVANA	34	Thirty Four only
21105340	625	SAYALA DEEPIKA	43	Forty three only
21105508	501	CHALAPAKA NAGA SAI SRAVANI	45	Forty Five only
21105514	545	GANTASALA MANOJ RAM PRASAD	43	Forty three only
21105517	517	GUDDETI HARIKA	22	Twenty two only
21105519	536	GUJJALA MANI DEEPIKA	23	Twenty three only
21105520	523	GULLA NIKHITHA	43	Forty three only
21105525	538	KAPPAKAYALA JOSHI	48	Forty Eight only
21105536	510	MOHAMMED NAZIYA BEGUM	35	Thirty Five only
21105538	530	NADIMINTI KANAKA MAHA LAKSHMI	44	Forty Four only
21105540	515	ORUGANTI HEMA CHANDRA MANIKANTA	40	Forty only
21105549	514	PURAMSETTI ARAVIND	48	Forty Eight only.
21105605	425	BATHULA MOUNIKA	40	Forty only
21105607	422	BONGU NAGA DURGA BHAVANI	44	Forty four only.
21105609	459	CH BABY SAROJINI	46	Forty Six only.
21105620	412	JAREENA BEGUM	45	Forty Five only.
21105630	423	KOWTHARAPU YAKANSHITA	41	Forty One only.
21105634	432	MAHAMMAD SHABEENA	47	Forty Seven only
21105642	433	NARIGADAPA DHANUSRI	34	Thirty Four only
21105648	424	PULI DEEPTHI	37	Thirty Seven only
21105650	438	RAJABOINA SRI VYSHNAVI	42	Forty two only.
21105658	431	THOTA TRIPURA NAGA	45	Forty Five only.

Head of the Department

A. Durga Bhavani
Lecturer

Principal

AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
Autonomous & Affiliated to Krishna University
Accredited by NAAC at 'A' level
An ISO 9001:2015 Certified Organization

UG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

S. Deepika
Signature of the Student

AKKINENI NAGESWARA RAO COLLEGE

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UG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

P. Deepthi
Signature of the Student

AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
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An ISO 9001:2015 Certified Organization

PG DEPARTMENT OF COMPUTER SCIENCE

Add-On Course/Certificate Course

On

Data Science

2021-2022

Course Code: ACPGCS211

Duration: 22-11-2021 to 05-02-2022 (30 Days)

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

PG Department Of Computer Science

Add-on Course: DATA SCIENCE

Duration: 22-11-2021 to 05-02-2022

STUDENT ENROLLMENT SHEET

Regd. No.	Roll No	Student Name	Signature
21054001	401	ANNAM GNANA LAKSHMI	A. Gnana lakshmi
21054003	448	ATMAKURI NAGA LAKSHMI	A. Naga lakshmi
21054005	403	BEZAWADA PREMA JYOTHI	B. Prema jyothi
21054006	404	BOIDI SAI SRIVALLIKUMARI	B. SAi SRIVALLi Kumari
21054007	405	BOMMASANI NAVEEN KUMAR	B. Naveen Kumar
21054008	406	BONAM DHARMENDRA	C. SAi Kumar
21054011	459	CHAGANTIPATI SAI KUMAR	C. SAi kumar
21054012	464	CHALAMALASETTY PHANEENDRA KRISHNA	C. P. Krishna
21054015	462	CHILUKOTI SAMBAIAH	C. Sambaiah
21054016	408	CHINTAGUNTA AVINASH	C. Avinash
21054017	451	DAKARAPU BHUSALINI	D. BhuSALINI
21054038	420	KOPPULA JHANSI	K. Jhansi
21054049	460	MUTHIREDDY ANIL KUMAR	M. Anil kumar
21054063	435	VINNAKOTA BINDHU	V. Bindhu
21054058	432	TATA DEEPIKA	T. DEEPika
21054060	433	VALLURI SARAT MAISA	V. Sarat MaiSA
21054061	434	VENDRA TEJA SRI	V. TEJA SRI
21054053	429	PARASA ADI SUBRAMANYAM	P. Subramanyam
21054065	437	YELLAMELLI SUDHA RANI	Y. S. Rani
21056002	605	ATKURI HARSHITHA	A. HARSHITHA
21056003	609	N.MADHURI SAI	N. MADHURI SAI
21056006	602	PENUMUDI SHARMILA	P. sharmila
21056001	610	AMARLAPUDI PADMALATHA	A. PADMALATHA
21056010	607	T. SAI KUMAR	T. Sai Kumar
21056011	603	UPPULURI DIVYA	U. divya
21056004	604	PEDDI PUJITHA	P. Pujitha

AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE

Duration: 22-11-2021 to 05-02-2022 **Year: 2021-2022** **Topic: Data Science** **Lecturer: M.Jesu Babu**

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
		22/11	23/11	25/11	29/11	30/11	1/12	2/12	3/12	6/12	6/12	7/12	8/12	13/12	14/12	15/12	16/12	20/12	21/12	27/12	28/12	29/12	30/12	3/1	4/1	5/1	10/1	10/1	11/1	12/1	3/2	30
401	ANNAM GNANA LAKSHMI	✓	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
448	ATMAKURI NAGA LAKSHMI	✗	✗	✗	✓	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	30
403	BEZAWADA PREMA JYOTHI	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
404	BOIDI SAI SRIVALLIKUMARI	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✗	✗	✗	✗	✗	✗	30
405	BOMMASANI NAVEEN KUMAR	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	30
406	BONAM DHARMENDRA	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
459	CHAGANTIPATI SAI KUMAR	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
464	CHALAMALASETTY PHANEENDRA	✓	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
462	CHILUKOTI SAMBAIAH	✗	✗	✗	✗	✗	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
408	CHINTAGUNTA AVINASH	✗	✗	✗	✓	✓	✗	✗	✓	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✓	✗	✗	✗	✓	✓	✓	✗	30
451	DAKARAPU BHUSALINI	✓	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	30
420	KOPPULA JHANSI	✗	✗	✓	✗	✓	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
460	MUTHIREDDY ANIL KUMAR	✗	✗	✓	✗	✗	✓	✓	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
435	VINNAKOTA BINDHU	✓	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
432	TATA DEEPIKA	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
433	VALLURI SARAT MAISA	✓	✗	✓	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
434	VENDRA TEJA SRI	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✗	✗	30
429	PARASA ADI SUBRAMANYAM	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
437	YELLAMELLI SUDHA RANI	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
605	ATKURI HARSHITHA	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
609	N.MADHURI SAI	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
602	PENUMUDI SHARMILA	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	30
610	AMARLAPUDI PADMALATHA	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
607	T. SAI KUMAR	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
603	UPPULURI DIVYA	✓	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	30
604	PEDDI PUJITHA	✗	✓	✓	✗	✗	✗	✗	○	✓	✗	✓	✗	✗	○	✗	✗	○	✗	✗	✗	✗	✗	a	✗	✗	✗	a	✗	✗	25
	Signature																															

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

PG Department Of Computer Science

Add-on Course:Data Science **Date of Exam :10-02-2022** **Name of Lecturer Valued: M.Jesu Babu** **Max.Marks: 50**

Regd. No.	Roll No	Student Name	Marks In Fig	Marks InWords
21054001	401	ANNAM GNANA LAKSHMI	42	forty two
21054003	448	ATMAKURI NAGA LAKSHMI	36	Thirty Six
21054005	403	BEZAWADA PREMA JYOTHI	35	Thirty five
21054006	404	BOIDI SAI SRIVALLIKUMARI	43	forty three
21054007	405	BOMMASANI NAVEEN KUMAR	44	forty four
21054008	406	BONAM DHARMENDRA	40	forty only
21054011	459	CHAGANTIPATI SAI KUMAR	48	forty Eight
21054012	464	CHALAMALASETTY PHANEENDRA KRISHNA	43	forty three
21054015	462	CHILUKOTI SAMBAIAH	37	Thirty Seven
21054016	408	CHINTAGUNTA AVINASH	46	forty Six
21054017	451	DAKARAPU BHUSALINI	45	forty five
21054038	420	KOPPULA JHANSI	40	forty only
21054049	460	MUTHIREDDY ANIL KUMAR	41	forty one
21054063	435	VINNAKOTA BINDHU	47	forty Seven
21054058	432	TATA DEEPIKA	47	forty Seven
21054060	433	VALLURI SARAT MAISA	48	forty Eight
21054061	434	VENDRA TEJA SRI	48	forty Eight
21054053	429	PARASA ADI SUBRAMANYAM	48	forty Eight
21054065	437	YELLAMELLI SUDHA RANI	45	forty five
21056002	605	ATKURI HARSHITHA	45	forty five
21056003	609	N.MADHURI SAI	43	forty three
21056006	602	PENUMUDI SHARMILA	43	forty three
21056001	610	AMARLAPUDI PADMALATHA	45	forty five
21056010	607	T. SAI KUMAR	48	forty Eight
21056011	603	UPPULURI DIVYA	48	forty Eight
21056004	604	PEDDI PUJITHA	23	Twenty three.

Head of the Department

Lecturer

Principal

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

PG Department of Computer Science

Add-on course on

"Data Science"

Syllabus

Course Objective: Understand data analysis techniques for applications handling large data. Understand various machine learning algorithms used in data science process. Visualize and present the inference using various tools.Learn to think through the ethics surrounding privacy, data sharing and algorithmic decision-making. real time problems of data science.

Course Outcomes:

Upon successful completion of the course, a student will be able to:

1. To understand the fundamental concept of Data science.
2. Infer various data visualization tool
3. Demonstrate various Data driven technique and perform predictive analysis
4. Solve the Deep Reinforcement Learning problem.
5. Solve the Explore the fundamental concepts of data science .

Unit–IINTRODUCTION TO BIG DATA AND HADOOP : Types of Digital Data, Introduction to Big Data, Big Data Analytics, History of Hadoop, Apache Hadoop, Analysing Data with Unix tools, Analysing Data with Hadoop, Hadoop Streaming, Hadoop Echo System, IBM Big Data Strategy.

HDFS(Hadoop Distributed File System) :The Design of HDFS, HDFS Concepts, Command Line Interface, Hadoop file system interfaces, Data flow, Data Ingest with Flume and Scoop and Hadoop archives, Hadoop I/O: Compression, Serialization, Avro and File-Based Data structures.

Unit-II: Map Reduce :Anatomy of a Map Reduce Job Run, Failures, Job Scheduling, Shuffle and Sort, Task Execution, Map Reduce Types and Formats, Map Reduce Features.

Hadoop Eco System Pig : Introduction to PIG, Execution Modes of Pig, Comparison of Pig with Databases, Grunt, Pig Latin, User Defined Functions, Data Processing operators. Hive : Hive Shell, Hive Services, Hive Metastore, Comparison with Traditional Databases, HiveQL, Tables,

Dr. M. Babu Reddy	Dr. B.R.S. Reddy	M. Ratnakar	Ch. Mallika
University Nominee	Subject Expert	Subject Expert	Chairperson

Querying Data and User Defined Functions. Hbase :HBasics, Concepts, Clients, Example, Hbase Versus RDBMS. Big SQL : Introduction .

Unit – III:

Data Analytics with R :Machine Learning : Introduction, Supervised Learning, Unsupervised Learning, Collaborative Filtering.Big Data Analytics with BigR

Reference Books:

1. Tom White Hadoop: The Definitive Guide Third Edit on, O'reily Media, 2012
2. Seema Acharya, Subhasini Chellappan, Big Data Analytics Wiley 2015

Dr. M. Babu Reddy	Dr. B.R.S. Reddy	M. Ratnakar	Ch. Mallika
University Nominee	Subject Expert	Subject Expert	Chairperson

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

PG Department of Computer Science

Add-on Course On

"Data Science"

Time: 2 Hours | Max marks: 50 | Pass marks: 25

Registered Number:

Name of the student:

Name of the Programme:

Answer the Following Questions:

1. What is the term used for a collection of large, complex data sets that cannot be processed using traditional data processing tools?
a) Big Data
b) Small Data
c) Medium Data
d) Mini Data

2. Which of the following is not one of the four V's of Big Data?
a) Velocity
b) Volume
c) Variety
d) Value

3. What is the process of transforming structured and unstructured data into a format that can be easily analyzed?
a) Data Mining
b) Data Warehousing
c) Data Integration
d) Data Processing

4. Which of the following is a tool used for processing and analyzing Big Data?
a) Hadoop
b) MySQL
c) PostgreSQL
d) Oracle

5. What is the process of examining large and varied data sets to uncover hidden patterns, unknown correlations, market trends, customer preferences, and other useful information?
a) Data Mining
b) Data Warehousing
c) Data Integration
d) Data Processing

6. Which of the following is not a common challenge associated with Big Data?
a) Data Quality
b) Data Integration
c) Data Privacy
d) Data Duplication

7. Which of the following is a technique used to extract meaningful insights from data sets that are too large or complex to be processed by traditional data processing tools?
a) Business Intelligence
b) Machine Learning
c) Artificial Intelligence
d) Data Science

8. What is the process of storing and managing data in a way that allows for efficient retrieval and analysis?
a) Data Warehousing
b) Data Mining
c) Data Integration
d) Data Processing

9. Which of the following is a common programming language used for Big Data processing?
a) C++
b) Java
c) Python
d) All of the above

10. Which of the following is a popular NoSQL database used for Big Data processing?
a) MySQL
b) PostgreSQL
c) Oracle
d) MongoDB

11. What is the process of combining data from multiple sources into a single, unified view?
a) Data Mining
b) Data Warehousing
c) Data Integration
d) Data Processing

12. What is the term used for the ability of a system to handle increasing amounts of data and traffic without compromising performance?
a) Scalability
b) Reliability
c) Availability
d) Security

13. What is the process of cleaning and transforming data before it is used for analysis?
a) Data Mining
b) Data Warehousing
c) Data Integration
d) Data Preprocessing

14. Which of the following is not a common type of data in Big Data analysis?
a) Structured Data
b) Semi-Structured Data
c) Unstructured Data
d) Simple Data

15. Which of the following is a method for analyzing data in which the data is split into smaller subsets and processed in parallel across multiple servers or nodes?
a) Batch Processing
b) Stream Processing
c) MapReduce
d) Hive

16. What is the process of analyzing data in real-time as it is generated?
a) Batch Processing
b) Stream Processing
c) MapReduce
d) Hiv

17. Which of the following is a popular programming language used for data analysis and machine learning?
a) C++
b) Java
c) Python
d) All of the above.

18. Which of the following is not a common data storage technology used for Big Data processing?
a) Hadoop Distributed File System (HDFS)
b) Cassandra
c) MySQL
d) Amazon S3

19. What is the process of automatically categorizing or grouping data based on its characteristics or attributes?
a) Clustering
b) Classification
c) Regression
d) Anomaly Detection

20. Which of the following is not a common data visualization tool used for Big Data analysis?
a) Tableau
b) QlikView
c) Microsoft Excel
d) D3.js

21. Which of the following is a popular open-source platform used for real-time data processing and analytics?
a) Apache Kafka
b) Apache Hadoop
c) Apache Spark
d) Apache Storm

22. Which of the following is a technique used for identifying patterns in data by training a model on a dataset and using it to make predictions on new data?
a) Data Mining
b) Machine Learning
c) Natural Language Processing
d) Text Analytics

23. Which of the following is not a common type of machine learning algorithm?
a) Supervised Learning
b) Unsupervised Learning
c) Reinforcement Learning
d) Decision Learning

24. Which of the following is a type of machine learning algorithm in which the input data is labeled and the model is trained to make predictions on new, unlabeled data?
a) Supervised Learning
b) Unsupervised Learning
c) Reinforcement Learning
d) All of the above

25. Which of the following is a type of machine learning algorithm in which the input data is not labeled and the model is trained to find patterns or structure in the data?
a) Supervised Learning
b) Unsupervised Learning
c) Reinforcement Learning
d) All of the above

26. Which of the following is a type of machine learning algorithm in which the model learns through trial and error by receiving feedback on its performance?
a) Supervised Learning
b) Unsupervised Learning
c) Reinforcement Learning
d) All of the above

27. Which of the following is not a common machine learning model?
a) Decision Trees
b) Random Forests
c) Neural Networks
d) All of the above are common machine learning models

28. Which of the following is a measure of how well a machine learning model is able to make predictions on new data?
a) Accuracy
b) Precision
c) Recall
d) All of the above

29. Which of the following is a technique for reducing the dimensionality of data by identifying the most important features?
a) Principal Component Analysis (PCA)
b) Singular Value Decomposition (SVD)
c) Independent Component Analysis (ICA)
d) All of the above

30. Which of the following is not a common use case for Big Data analytics?
a) Fraud Detection
b) Customer Segmentation
c) Social Media Analysis
d) Inventory Management

31. Which of the following is a technique for predicting a continuous target variable?
a) Classification
b) Regression
c) Clustering
d) Dimensionality Reduction

32. Which of the following is a technique for grouping similar data points together?
a) Classification
b) Regression
c) Clustering
d) Dimensionality Reduction

33. Which of the following is not a common data preprocessing technique?
a) Normalization
b) One-Hot Encoding
c) Dimensionality Reduction
d) Regression

34. Which of the following is a measure of the relationship between two variables?
a) Correlation
b) Covariance
c) Standard Deviation
d) Mean

35. Which of the following is not a common type of correlation coefficient?
a) Pearson's Correlation Coefficient
b) Spearman's Rank Correlation Coefficient
c) Kendall's Tau Correlation Coefficient
d) Mahalanobis Correlation Coefficient

36. Which of the following is a measure of how much a dependent variable changes when an independent variable changes?
a) Covariance
b) Correlation
c) Slope
d) Intercept

37. Which of the following is not a common method for selecting the best features for a machine learning model?
a) Filter Methods
b) Wrapper Methods
c) Embedded Methods
d) Extrapolation Methods

38. Which of the following is a measure of how much a model's predictions vary for different input values?
a) Bias
b) Variance
c) Precision
d) Recall

39. Which of the following is not a common machine learning algorithm for classification?
a) Logistic Regression
b) Decision Trees
c) K-Nearest Neighbors
d) Linear Regression

40. Which of the following is a technique for reducing the size of a dataset by removing duplicate data points?
a) Clustering
b) Sampling
c) Deduplication
d) Normalization

41. Which of the following is a technique for reducing the dimensionality of a dataset?
a) Clustering
b) Sampling
c) Deduplication
d) PCA

42. Which of the following is a measure of the goodness-of-fit of a regression model?
a) R-squared
b) Mean Squared Error
c) Mean Absolute Error
d) Root Mean Squared Error

43. Which of the following is a common machine learning algorithm for regression?
a) Logistic Regression
b) Decision Trees
c) K-Nearest Neighbors
d) Linear Regression

44. Which of the following is a technique for dealing with missing data?
a) Imputation
b) Clustering
c) Sampling
d) Dimensionality Reduction

45. Which of the following is a measure of the quality of a classification model's predictions?
a) Precision
b) Recall
c) F1 Score
d) All of the above

46. Which of the following is a measure of the quality of a clustering model?
a) Within-Cluster Sum of Squares (WCSS)
b) R-squared
c) Mean Absolute Error
d) Root Mean Squared Error

47. Which of the following is a technique for reducing the noise in a dataset?
a) Normalization
b) PCA
c) Smoothing
d) Standardization

48. Which of the following is a technique for transforming a dataset into a new representation to make it easier to analyze?
a) Normalization
b) PCA
c) Smoothing
d) Standardization

49. Which of the following is a technique for scaling the features in a dataset to have a mean of 0 and a standard deviation of 1?
a) Normalization
b) PCA
c) Smoothing
d) Standardization

50. Which of the following is a measure of the similarity between two data points?
a) Distance
b) Correlation
c) Covariance
d) Variance

1.a) Big Data.

2.d) Value.

3. c) Data Integration.

4. a) Hadoop.

5.a) Data Mining.

6.d) Data Duplication.

7. b) Machine Learning

8. b) Machine Learning

9.d) All of the above.

10.d) MongoDB.

11.c) Data Integration.

12.a) Scalability.

13.d) Data Preprocessing.

14.d) Data Preprocessing.

15.c) MapReduce.

16.b) Stream Processing

17.c) Python.

18.c) MySQL.

19.a) Clustering.

20.c) Microsoft Excel.

21. c) Apache Spark.

22.b) Machine Learning.

23.d) Decision Learning.

24.a) Supervised Learning.

25.b) Unsupervised Learning.

26. (c) Reinforcement Learning.

27. (d) All of the above are common machine learning models.

28. (d) All of the above.

29. (a) Principal Component Analysis (PCA).

30. (d) Inventory Management.

31. (b) Regression.

32. c) Clustering.

33. (d) Regression.

34. (a) Correlation.

35. (d) Mahalanobis Correlation Coefficient.

36. (c) Slope.

37. (d) Extrapolation Methods.

38. (b) Variance.

39. (d) Linear Regression.

40. (c) Deduplication.

41. (d) PCA.

42. (a) R-squared.

43. (d) Linear Regression.

44. (a) Imputation.

45. (d) All of the above.

46. (a) Within-Cluster Sum of Squares (WCSS).

47. (c) Smoothing.

48. (b) PCA.

49. (d) Standardization.

50. (a) Distance.

AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
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An ISO 9001:2015 Certified Organization

PG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)
2. Have you attended all the session? (Yes / No)
3. Is the content of the programme is adequate? (Yes / No)
4. Has the teacher covered the entire syllabus? (Yes / No)
5. Is the number of hours adequate? (Yes / No)
6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)
7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)
8. Do you have any suggestions on the programme? (Yes / No)

Signature of the Student

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PG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

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7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

B. Hema Jyothi

Signature of the Student

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UG DEPARTMENT OF COMPUTER SCIENCE

Add-On Course/Certificate Course

On

Cloud Computing

2022-2023

Course Code: ACUGCS221

Duration: 14-11-2022 to 22-12-2022 (30 Days)

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Computer Science

Add-on Course: Cloud Computing

Duration: 14-11-2022 to 22-12-2022

STUDENT ENROLLMENT SHEET

Regd. No.	Roll No	Student Name	Signature
22105305	607	BEZAWADA DURGA PUSHPA	B. Durga Pushpa
22105306	639	BITRAGUNTA LIKITHA	B. LIKITHA
22105308	612	BOKINALA MANUSHA	B. Manusha
22105317	623	GURUDASU SOMA SEKHAR	G. SOMA SEKHAR
22105319	613	JAJULA GEETHA PRASANNA	J. Geetha prasanna
22105320	637	KAPU CHANDU	K. chandu
22105321	624	KATRU ASA JYOTHI	K. Asa
22105329	645	MEKA HARIKA	M. HARIKA
22105336	625	POLAGANI MANIKANTA SAI	P. Manikanta Sai
22105338	610	SHAIK FARHANA	S. farhana
22105502	514	BALLA THANUSHA	B. Thanusha
22105506	520	CHENNAPRAGADA YASASWINI	C. Yasaswini
22105512	508	GARIKE BALA KRISHNA	G. Bala krishna
22105514	509	JAGARAPU DEEPIKA	J. Deepika
22105515	502	KALAVAKUNTA HYNDAVI	K. Hyndavi
22105517	505	KANUMURI SRIJA DEVI	K. srija devi
22105519	511	KOMATI RATNA BHAVANI	K. Ratna Bhavani
22105527	532	MAJETI ESWARI NAGA VENKATA SITA	M. Eswari Naga Venkata Sita
22105535	539	RAJULAPATI RANI	R. RANI
22105546	501	YELURI GEETHA NAGASRI	Y. GEETHA NAGA SRI
22105601	402	BEZAWADA GEETHANJALI	B. geethanjali
22105602	425	CHENNA BHAVANI	CH. Bhavani
22105608	418	MANDADHI VINEETHA	M. VINEETHA
22105611	403	NAKKA LAVANYA	N. Lavanya
22105613	420	NERUSU MOHITHA	N. Mohitha
22105616	413	SAMMETA NAGA DHARANI SAI	S. N. D. Sai
22105618	401	SHAIK RIZWANA	SK. RIZWANA
22105619	409	SONTI PUJITHA	S. PUJITHA
22105620	419	SRIKAKULAPU KEERTHANA	S. KEERTHANA
22105623	408	YARRAMSETTI NAVYA SALOMI	Y. Navya Salomi

AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE

Duration: 14-11-2022 to 22-12-2022 Year: 2022-2023 Topic: Cloud Computing Lecturer: A.Durga Bhavani

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
		14/11	15/11	16/11	17/11	18/11	19/11	22/11	23/11	24/11	25/11	28/11	29/11	30/11	1/12	2/12	5/12	6/12	7/12	8/12	9/12	12/12	13/12	14/12	15/12	16/12	19/12	20/12	21/12	22/12		30
607	BEZAWADA DURGA PUSHPA	x	x	x	x	x	a	a	a	x	x	a	x	x	x	x	a	x	x	x	x	x	x	x	x	x	a	x	x	a	x	23
639	BITRAGUNTA LIKITHA	a	a	a	x	x	x	x	x	x	x	x	x	x	x	x	a	a	x	x	x	x	x	x	x	x	x	x	x	x	x	25
612	BOKINALA MANUSHA	x	x	x	x	x	x	x	a	x	a	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	27
623	GURUDASU SOMA SEKHAR	x	x	x	x	a	x	x	x	x	x	a	x	a	x	x	a	x	x	x	x	x	x	x	a	x	a	x	x	x	x	24
613	JAJULA GEETHA PRASANNA	x	x	a	a	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	26
637	KAPU CHANDU	a	x	x	x	x	x	x	x	a	x	a	x	a	a	a	x	a	x	a	a	a	x	x	x	x	x	x	x	x	x	21
624	KATRU ASA JYOTHI	x	x	x	a	x	x	a	x	x	a	a	x	x	a	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	24
645	MEKA HARIKA	x	a	a	x	a	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	26
625	POLAGANI MANIKANTA SAI	x	x	x	x	x	x	a	x	a	a	a	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	25
610	SHAIK FARHANA	a	x	x	a	x	x	a	a	x	x	x	a	x	x	a	x	x	x	x	x	x	x	x	x	x	a	a	x	x	x	22
514	BALLA THANUSHA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	x	x	x	x	x	x	27
520	CHENNAPRAGADA YASASWINI	a	a	a	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	25
508	GARIKE BALA KRISHNA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	a	a	x	a	x	26
509	JAGARAPU DEEPIKA	x	x	x	x	a	x	x	x	x	x	a	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	27
502	KALAVAKUNTA HYNDAVI	x	a	a	x	x	x	x	a	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a		24
'505	KANUMURI SRIJA DEVI	a	a	x	a	a	x	a	a	a	a	x	x	a	x	a	x	a	a	x	a	a	x	x	a	a	a	x	a	a	a	10
511	KOMATI RATNA BHAVANI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x		29
532	MAJETI ESWARI NAGA VENKATA SITA	x	x	x	x	x	x	a	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		28
539	RAJULAPATI RANI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	x	x	x	x	x	x	x	x	x	x	x	a		26
'501	YELURI GEETHA NAGASRI	x	a	a	a	a	a	x	x	x	a	a	a	a	a	x	x	a	a	x	x	a	x	a	a	a	a	a	a	a		9
402	BEZAWADA GEETHANJALI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	a		26
425	CHENNA BHAVANI	x	x	x	x	x	x	x	x	x	x	a	x	x	x	a	x	x	x	x	a	x	x	x	x	x	x	x	a	x		26
418	MANDADHI VINEETHA	a	x	x	x	x	x	x	x	x	x	x	x	x	a	a	x	x	x	x	x	x	x	a	a	a	x	x	x	a		22
403	NAKKA LAVANYA	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	a	x	x	x	x	a	a	x	x	a			25
420	NERUSU MOHITHA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	x	x	x	a	x	x	x	a	a			25
413	SAMMETA NAGA DHARANI SAI	x	x	x	x	x	x	a	a	x	a	a	x	x	x	x	x	x	a	a	a	x	x	x	a	x	x	x	x	a		21
401	SHAIK RIZWANA	a	x	x	x	x	x	x	x	x	a	a	a	x	x	x	x	x	x	x	x	x	a	a	a	x	x	a	a	a		20
409	SONTI PUJITHA	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	x	a	x	x	x	x	x	x	x	x	x	x	x	a		26
419	SRIKAKULAPU KEERTHANA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	a	a	x	x	x			27
408	YARRAMSETTI NAVYA SALOMI	x	x	x	a	x	a	x	x	a	x	a	a	x	a	x	x	x	a	x	a	x	a	x	x	x	a	x	x	x		20
	Signature																															

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department of Computer Science

Add-on Course on

CLOUD COMPUTING

Syllabus

Course Objective:

The student will earn about the cloud environment, building software systems and components that scale to millions of users in modern internet, cloud concepts capabilities across the various cloud service models including Iaas, Paas, Saas, and developing cloud-based software applications on top of cloud platforms.

Course Outcomes

1. Compare the strengths and limitations of cloud computing
2. Identify the architecture, infrastructure and delivery models of cloud computing
3. Apply suitable virtualization concept.
4. Choose the appropriate cloud player, Programming Models and approach.

Unit I

Cloud Computing Overview–Origins of Cloud computing – Cloud components –Essential characteristics – On-demand self-service, Broad network access, Location independent resource pooling, Rapid elasticity, Measured service.

Cloud architecture: Cloud delivery model–SPI framework, SPI evolution, SPI vs. traditional IT Model.

Unit II

Software as a Service (SaaS): SaaS service providers – Google App Engine, Salesforce. command google platfrom–Benefits–Operationalbenefits-Economicbenefits–Evaluating SaaS **Platform as a Service** (PaaS): PaaS service providers–Right Scale–Salesforce.com– Rackspace– Force.com–Services and Benefits.

Infrastructure as a Service (IaaS): IaaS service providers – Amazon EC2, Go Grid –Microsoft soft implementation and support – Amazon EC service level agreement –Recent developments–Benefits.

Unit III

Virtualization: Virtualization and cloud computing – Need of virtualization–cost, administration, fast deployment, reduce infrastructure cost–limitations.

Reference Books

1. Cloud computing a practical approach- Anthony T. Velte, Toby J. Velte Robert Elsenpeter TATA Mc Graw-Hill, New Delhi- 2010
2. Cloud Computing: Web-Based Applications That Change the Way You Work and Collaborate Online – Michael Miller- Que2008

Dr. M. Babu Reddy	Dr. P.Bharathi Devi	K. Sridhar	Dr. P.J.S. Kumar
University Nominee	Subject Expert	Subject Expert	Chairperson

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department of Computer Science

Add-on Course On

CLOUD COMPUTING

Time: 2 Hours | Max marks: 50 | Pass marks: 25

Registered Number:

Name of The student:

Name of the programmee:

Answer the Following Questions:

1. Which of the following is not a type of cloud server?
a) Public Cloud Servers
b) Private Cloud Servers
c) Dedicated Cloud Servers
d) Merged Cloud Servers

2. Who is the father of cloud computing?
a) Sharon B. Codd
b) Edgar Frank Codd
c) J.C.R. Licklider
d) Charles Bachman

3. Which of the following are the features of cloud computing?
a) Security
b) Availability
c) Large Network Access
d) All of the mentioned

4. Which of the following is the application of cloud computing?
a) Adobe
b) Paypal
c) Google G Suite
d) All of the above

5. Which of the following is a type of cloud computing service?
a) Service-as-a-Software (SaaS)
b) Software-and-a-Server (SaaS)
c) Software-as-a-Service (SaaS)
d) Software-as-a-Server (SaaS)

6. What is Cloud Computing?
a) Cloud Computing means providing services like storage, servers, database, networking, etc
b) Cloud Computing means storing data in a database
c) Cloud Computing is a tool used to create an application
d) None of the mentioned

7. Which of the following is an example of the cloud?
a) Amazon Web Services (AWS)
b) Dropbox
c) Cisco WebEx
d) All of the above

8. Applications and services that run on a distributed network using virtualized resources is known as _____
a) Parallel computing
b) Soft computing
c) Distributed computing
d) Cloud computing

9. Which of the following is an example of a PaaS cloud service?
a) Heroku
b) AWS Elastic Beanstalk
c) Windows Azure
d) All of the above

10. Which of the following is an example of an IaaS Cloud service?
a) DigitalOcean
b) Linode
c) Rackspace
d) All of the above

11. Which of the following is the correct statement about cloud computing?
a) Cloud computing abstracts systems by pooling and sharing resources
b) Cloud computing is nothing more than the Internet
c) The use of the word "cloud" makes reference to the two essential concepts
d) All of the mentioned

12. Point out the wrong statement.
a) Azure enables .NET Framework applications to run over the Internet
b) Cloud Computing has two distinct sets of models

b) CostCLOUD = Σ(UnitCostCLOUD / (Revenue – CostCLOUD))
c) CostCLOUD = Σ(UnitCostCLOUD x (Revenue – CostCLOUD))
d) None of the mentioned

20. Identify the correct statement about cloud computing.
a) Cloud computing relies on a set of protocols needed to manage interprocess communications
b) Platforms are used to create more complex software
c) Cloud architecture can couple software running on virtualized hardware in multiple locations to provide an on-demand service
d) All of the mentioned

21. Identify the wrong statement about cloud computing.
a) Virtualization assigns a logical name for a physical resource and then provides a pointer to that physical resource when a request is made
b) Virtual appliances are becoming a very important standard cloud computing deployment object
c) Cloud computing requires some standard protocols
d) None of the mentioned

22. Which of the following is required by Cloud Computing?
a) That the identity be authenticated
b) That the authentication be portable
c) That you establish an identity
d) All of the mentioned

23. Point out the wrong statement.
a) Cloud services span the gamut of computer applications
b) The impact of cloud computing on network communication is to discourage the use of open source network protocols in place of proprietary protocol
c) Atom is a syndication format that allows for HTTP protocols to create and update informations
d) None of the mentioned

24. Which of the following is the wrong statement about cloud computing?
a) Private cloud doesn't employ the same level of virtualization
b) Data center operates under average loads
c) Private cloud doesn't pooling of resources that a cloud computing provider can achieve
d) Abstraction enables the key benefit of cloud computing: shared, ubiquitous access

25. Cloud computing is a concept that involves pooling physical resources and offering them as which sort of resource?
a) cloud
b) real
c) virtual

d) none of the mentioned

26. Which of the following is the Cloud Platform provided by Amazon?
a) AWS
b) Cloudera
c) Azure
d) All of the mentioned

27. Into which expenditures does Cloud computing shifts capital expenditures?
a) local
b) operating
c) service
d) none of the mentioned

28. Which of the following monitors the performance of the major cloud-based services in real time in Cloud Commons?
a) CloudWatch
b) CloudSensor
c) CloudMetrics
d) All of the mentioned

29. Which of the following is the most essential element in cloud computing by CSA?
a) Virtualization
b) Multi-tenancy
c) Identity and access management
d) All of the mentioned

30. Which of the following is the most important area of concern in cloud computing?
a) Scalability
b) Storage
c) Security
d) All of the mentioned

31. Which of the following model consists of the service that you can access on a cloud computing platform?
a) Deployment
b) Service
c) Application
d) None of the mentioned

32. Point out the wrong statement.
a) With a pay-as-you-go, endlessly expandable, and universally available system, cloud computing realises the long-held goal of utility computing
b) The widespread use of the Internet enables the huge size of cloud computing systems
c) Soft computing represents a significant change in the way computers are delivered
d) All of the mentioned

33. Which of the following is the most refined and restrictive cloud service model?
a) PaaS
b) IaaS
c) SaaS
d) CaaS

34. Which of the following is not a property of cloud computing?
a) virtualization
b) composability
c) scalability
d) all of the mentioned

35. How many phases are there in Cloud Computing Planning?
a) 1
b) 5
c) 3
d) 6

36. . In which of the following service models the hardware is virtualized in the cloud?
a) NaaS
b) PaaS
c) CaaS
d) IaaS

37. Which is the most essential concept related to Cloud computing?
a) Abstraction
b) Reliability
c) Productivity
d) All of the mentioned

38 Which of the following is a workflow control and policy based automation service by CA?
a) CA Cloud Compose
b) CA Cloud Insight
c) CA Cloud Optimize
d) CA Cloud Orchestrate

39. Which of the following is the Virtual machine conversion cloud?
a) Amazon CloudWatch
b) AbiCloud
c) BMC Cloud Computing Initiative
d) None of the mentioned

40. Which of the following is an example of a SaaS cloud service?
a) Google Workspace
b) Dropbox
c) Salesforce
d) All of the above

41. An application that provides for transaction overflow in a reservation system is an example of _____

a) cloud bursting
b) cloud provisioning
c) cloud servicing
d) all of the mentioned

42. Point out the wrong statement.

a) Internet consumes roughly 1 percent of the world's total power
b) The cost advantages of cloud computing have enabled new software vendors to create productivity applications
c) A client can provision computer resources without the need for interaction with cloud service provider personnel
d) None of the mentioned

43. Point out the correct statement.

a) Google's cloud includes perhaps some 10 data centers worldwide
b) Flipkart.com's infrastructure was built to support elastic demand so the system could accommodate peak traffic
c) Data centers have been sited to optimize the overall system latency
d) All of the mentioned

44. Which of the following was one of the top 5 cloud applications in 2010?

a) Cloud backup
b) Web applications
c) Business applications
d) All of the mentioned

45. The _____ is something that you can obtain under contract from your vendor.

a) PoS
b) QoS
c) SoS
d) All of the mentioned

46. Which of the following benefit is related to creates resources that are pooled together in a system that supports multi-tenant usage?

a) On-demand self-service
b) Broad network access
c) Resource pooling
d) All of the mentioned

47. All cloud computing applications suffer from the inherent _____ that is intrinsic in their WAN connectivity.

a) propagation
b) latency
c) noise

d) all of the mentioned

48. Which of the following is the most important area of concern in cloud computing?
a) Security
b) Storage
c) Scalability
d) All of the mentioned

49. Which of the following architectural standards is working with cloud computing industry?
a) Service-oriented architecture
b) Standardized Web services
c) Web-application frameworks
d) All of the mentioned

50. Cloud computing is a _____ system and it is necessarily unidirectional in nature.
a) stateless
b) stateful
c) reliable
d) all of the mentioned

Answer Key

1.Answer:d
2.Answer:c
3.Answer:a
4.Answer:d
5. Answer: c
6. Answer: d
7. Answer: d
8.Answer:d
9. Answer: d
10.Answer:d
11.Answer: a
12.Answer:c
13.Answer:a
14.Answer:c
15.Answer:a
16.Answer:b
17.Answer:b
18. Answer: a
19.Answer:b
20.Answer:a
21. Answer: d
22.Answer:d
23. Answer: b
24.Answer:d
25. Answer: c
26.Answer:a
27.Answer:b
28.Answer:c
29. Answer: b
30.Answer:c
31.Answer:b
32. Answer: b
33. Answer: a
34. Answer: b
35.Answer:c
36.Answer:d
37. Answer: a
38.Answer:d
39Answer: c
40. Answer: d
41. Answer: a
42.Answer:a
43Answer:c
44.Answer:d
45. Answer: b
46.Answer:a
47. Answer: b
48.Answer:c
49. Answer: a
50.Answer: a

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Computer Science

Add-on Course: Cloud Computing

Date of Exam 29.12.2022 Name of Lecturer Valued: A. Durga Bhavani Max.Marks: 50

Regd. No.	Roll No	Student Name	Marks In Fig	Marks InWords
22105305	607	BEZAWADA DURGA PUSHPA	46	Forty Six
22105306	639	BITRAGUNTA LIKITHA	46	Forty Six
22105308	612	BOKINALA MANUSHA	47	Forty Seven
22105317	623	GURUDASU SOMA SEKHAR	47	Forty Seven
22105319	613	JAJULA GEETHA PRASANNA	47	Forty Seven
22105320	637	KAPU CHANDU	45	Forty Five
22105321	624	KATRU ASA JYOTHI	46	Forty Six
22105329	645	MEKA HARIKA	47	Forty Seven
22105336	625	POLAGANI MANIKANTA SAI	47	Forty Seven
22105338	610	SHAIK FARHANA	41	Forty one
22105502	514	BALLA THANUSHA	34	Thirty Four
22105506	520	CHENNAPRAGADA YASASWINI	46	Forty Six
22105512	508	GARIKE BALA KRISHNA	41	Forty one
22105514	509	JAGARAPU DEEPIKA	31	Thirty one
22105515	502	KALAVAKUNTA HYNDAVI	27	Twenty Seven
22105517	505	KANUMURI SRIJA DEVI	(20)	Twenty only
22105519	511	KOMATI RATNA BHAVANI	41	Forty one
22105527	532	MAJETI ESWARI NAGA VENKATA SITA	46	Forty Six
22105535	539	RAJULAPATI RANI	39	Thirty Nine
22105546	501	YELURI GEETHA NAGASRI	(19)	Nineteen only
22105601	402	BEZAWADA GEETHANJALI	38	Thirty Eight
22105602	425	CHENNA BHAVANI	34	Thirty Four
22105608	418	MANDADHI VINEETHA	43	Forty Three
22105611	403	NAKKA LAVANYA	43	Forty Three
22105613	420	NERUSU MOHITHA	46	Forty Six
22105616	413	SAMMETA NAGA DHARANI SAI	48	Forty Eight
22105618	401	SHAIK RIZWANA	44	Forty Four
22105619	409	SONTI PUJITHA	44	Forty Four
22105620	419	SRIKAKULAPU KEERTHANA	44	Forty Four
22105623	408	YARRAMSETTI NAVYA SALOMI	47	Forty Seven

Head of the Department

A. Durga Bhavani
Lecturer

Principal

AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
Autonomous & Affiliated to Krishna University
Accredited by NAAC at 'A' level
An ISO 9001:2015 Certified Organization

UG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

Y. Navya Saloni
Signature of the Student

AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
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An ISO 9001:2015 Certified Organization

UG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

K. chandu
Signature of the Student

AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
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An ISO 9001:2015 Certified Organization

PG DEPARTMENT OF COMPUTER SCIENCE

Add-On Course/Certificate Course

On

Digital Electronics

2022-2023

Course Code: ACPGCS221

Duration: 02-01-2023 to 23-03-2023 (30 Days)

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

PG Department Of Computer Science

Add-on Course: Digital Electronics

Duration: 02-01-2023 to 23-03-2023

STUDENT ENROLLMENT SHEET

Regd. No.	Roll No	Student Name	Signature
22054001	442	AMARTHALA TEJESH	A. Tejesh
22054003	436	APPIKONDA MOUNIKA	A. mounika
22054012	446	CHENU PRAVEEN KUMAR	C. Praveen Kumar
22054019	433	GUBILI SAI SARAN	G. sai saran
22054025	437	KALISETTI NAVYASREE	K. Navya Sree.
22054027	430	KATTA LEEL ANANTHA SAI	K. Anantha sai
22054028	443	KONDA RADHAMMA	K. Radhamma
22054029	440	KOTHA BHAVYA SUJATHA	K. Bhavya Sujatha
22054030	466	MAHANKALI GNANAVENKATASAIPHANIKUMAR	M. Gnanavenkata Saiphanikuma
22054031	409	MARADANI JAYA SUDHEER	M. Sudheer
22054034	425	MENDU SURESH	M. Suresh
22054038	465	MURALA THANUJA	M. Tanuja
22054042	464	PALLAPOTHU GOWTHAMI	P. Gowthami.
22054046	452	PEDDIBOINA BHAVANA	P. Bhavana
22054050	410	POTHULA AKSHITHA	P. Akshitha
22054051	415	PRIYANKA GUDIVADA	G. Priyanka
22054053	463	REMALA NIHARIKA	R. Niharika.
22054056	449	SIRIGIRI SAMBAIAH	S. Sambaiah
22054057	434	TAPPATLA HARIKA PRIYA	T. Harika Priya
22054059	421	TELLA MEGHANA	T. Meghana
22054063	423	VEERISETTI VEERA VENKATA SAI KUMAR	V. V. V. Sai kumar
22056001	614	BOMMASANI KEERTHANA	B. keerthana
22056002	616	CHILLIMUNTHA HARITHA	C. Haritha
22056006	610	KAGGA BHARGAVI	K. Bhargavi
22056009	620	MEKALA SWARUPA	M. Swarupa
22056010	612	MOGADATI TULASI SRI	M. Tulasi Sri
22056011	609	NALLURI DIVYA	N. Divya
22056012	618	NANDIPAMULA SRI VIDYA	N. Sri Vidya
22056013	607	POORILLA LEELA NAGA MANI	P. Leela Naga Mani
22056014	615	PULI TEJASASWINI NAGA SAI	P. Naga sai
22056018	613	TUMMALAPALLI LAKSHMI KALYANA SRAVYA	T. Lakshmi Sravya

AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE

Duration: 02-01-2023 to 23-03-2023 **Year: 2022-2023** **Topic: Digital Electronics** **Lecturer: A.Durga Bhavani**

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
		2/1	31/1	4/1	5/1	9/1	10/1	11/1	12/1	18/1	23/1	24/1	1/2	2/2	3/2	6/2	7/2	9/2	13/2	15/2	20/2	21/2	23/2	27/2	28/2	2/3	3/3	6/3	10/3	13/3	21/3	
442	AMARTHALA TEJESH																															30
436	APPIKONDA MOUNIKA																															30
446	CHENU PRAVEEN KUMAR																															30
433	GUBILI SAI SARAN																															30
437	KALISETTI NAVYASREE																															30
430	KATTA LEEL ANANTHA SAI																															30
443	KONDA RADHAMMA																															30
440	KOTHA BHAVYA SUJATHA																															30
466	MAHANKALI																															30
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449	SIRIGIRI SAMBAIAH																															30
434	TAPPATLA HARIKA PRIYA																															30
421	TELLA MEGHANA																															24
423	VEERISETTI VEERA VENKATA SAI																															30
614	BOMMASANI KEERTHANA																															30
616	CHILLIMUNTHA HARITHA																															30
610	KAGGA BHARGAVI																															30
620	MEKALA SWARUPA																															30
612	MOGADATI TULASI SRI																															30
609	NALLURI DIVYA																															30
618	NANDIPAMULA SRI VIDYA																															30
607	POORILLA LEELA NAGA MANI																															30
615	PULI TEJASASWINI NAGA SAI																															30
613	TUMMALAPALLI LAKSHMI KALYANA SRAVYA																															30
	Signature																															

AKKINENI NAGESWARA RAO COLLEGE: GUDIVADA

(An Autonomous College under the jurisdiction of Krishna University, Machilipatnam)

PG Department Of Computer Science

Add-on Course: Digital Electronics

Date of Exam :29-03-2023 **Name of Lecturer Valued: A.Durga Bhavani** **Max.Marks: 50**

Regd. No.	Roll No	Student Name	Marks In Fig	Marks InWords
22054001	442	AMARTHALA TEJESH	39	Thirty nine
22054003	436	APPIKONDA MOUNIKA	36	Thirty six
22054012	446	CHENU PRAVEEN KUMAR	34	Thirty four
22054019	433	GUBILI SAI SARAN	36	Thirty six
22054025	437	KALISETTI NAVYASREE	34	Thirty four
22054027	430	KATTA LEEL ANANTHA SAI	35	Thirty five
22054028	443	KONDA RADHAMMA	35	Thirty five
22054029	440	KOTHA BHAVYA SUJATHA	38	Thirty eight
22054030	466	MAHANKALI GNANAVENKATASAIPHANIKUMAR	34	Thirty four
22054031	409	MARADANI JAYA SUDHEER	33	Thirty Three
22054034	425	MENDU SURESH	34	Thirty four
22054038	465	MURALA THANUJA	36	Thirty six
22054042	464	PALLAPOTHU GOWTHAMI	35	Thirty five
22054046	452	PEDDIBOINA BHAVANA	33	Thirty Three
22054050	410	POTHULA AKSHITHA	41	Forty one
22054051	415	PRIYANKA GUDIVADA	42	Forty Two
22054053	463	REMALA NIHARIKA	40	Forty one
22054056	449	SIRIGIRI SAMBAIAH	40	Forty one
22054057	434	TAPPATLA HARIKA PRIYA	23	Twenty three
22054059	421	TELLA MEGHANA	38	Thirty eight
22054063	423	VEERISETTI VEERA VENKATA SAI KUMAR	36	Thirty six
22056001	614	BOMMASANI KEERTHANA	35	Thirty five
22056002	616	CHILLIMUNTHA HARITHA	30	Thirty one

Regd. No.	Roll No	Student Name	Marks In Fig	Marks InWords
22056006	610	KAGGA BHARGAVI	34	thirty four
22056009	620	MEKALA SWARUPA	33	thirty three
22056011	609	NALLURI DIVYA	35	thirty five
22056012	618	NANDIPAMULA SRI VIDYA	35	thirty five
22056014	615	PULI TEJASASWINI NAGA SAI	35	thirty five
22056018	613	TUMMALAPALLI LAKSHMI KALYANA SRAVYA	34	thirty four

Head of the Department

A. Durga Bhavani
Lecturer

Principal

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

PG Department of Computer Science

Add-on course on

"Digital Electronics"

Syllabus

Course Objective: To acquire the basic knowledge of digital logic levels and application of knowledge to understand digital electronics circuits.

Course Outcomes:

Upon successful completion of the course, a student will be able to:

1. Understand and develop digital logics.
2. Analyse design and implement combinational logic circuits
3. Analyse design and implement Sequential logic circuits

Unit – I

Number Systems: Binary, octal, decimal, hexadecimal number systems, conversion of numbers from one radix to another radix

Logic Gates and Boolean Algebra: NOT, AND, OR, universal gates, X-OR and X-NOR gates, Boolean laws and theorems, minimizations of logic functions (POS and SOP) using Boolean theorems, K-map (up to four variables), don't care conditions.

UNIT – II

Combinational Logic Circuits : Design of half adder, full adder, half subtractor, full subtractor, Design of decoders, encoders, multiplexers, demultiplexers,

UNIT – III

Sequential Logic Circuits: Classification of sequential circuits, latch and flip-flop, RS- latch using NAND and NOR Gates, truth tables, RS, JK, T and D flip-flops, truth and excitation tables, Design of registers, shift registers, bidirectional shift registers, universal shift register

Text Books:

1. M. Morris Mano, Michael D Ciletti, —Digital Designl, 5th edition, PEA.

Reference Books

1. Kohavi, Jha, —Switching and Finite Automata Theoryl, 3rd edition, Cambridge.

2. Leach, Malvino, Saha, —Digital Principles and Applicationsl, 7th edition, TMH.

Dr. M. Babu Reddy	Dr. B.R.S. Reddy	M. Ratnakar	Ch. Mallika
University Nominee	Subject Expert	Subject Expert	Chairperson

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

PG Department of Computer Science

Add-on Course On

"Digital Electronics"

Time: 2 Hours | Max marks: 50 | Pass marks: 25

Registered Number:

Name of the student:

Name of the Programme:

Answer the Following Questions:

1) Which number system has a base 16
   a. Hexadecimal
   b. Octal
   c. Binary
   d. Decimal

2) What is a digital-to-analog converter?
   a. It stores digital data on the computer.
   b. It converts alternating current (AC) into direct current (DC).
   c. It converts electrical power into mechanical power.
   d. It takes the digital data from an audio CD and converts it to a useful form.

3) The following hexadecimal number (1E.43)16 is equivalent to
   a. (36.506)8
   b. (36.206)8
   c. (35.506)8
   d. (35.206)8

4) How many entries will be in the truth table of a 4-input NAND gate? Backward Skip 10s ,Play Video Forward Skip 10s
   a. 6
   b. 8
   c. 32
   d. 16

5) How many bits are needed to store one BCD digit?
   a. 2 bits
   b. 4 bits
   c. 3 bits
   d. 1 bit

6) Convert (312)8 into decimal
   a. (201)10
   b. (202)10
   c. (203)10
   d. (204)10

7) A SCR (Silicon Controlled Rectifier) is a
   a. Device with 3 junctions
   b. Device with 2 junctions
   c. Device with 1 junction
   d. Device with 4 junctions

8) Which semiconductor device is not a current triggering device?
   a. TRIAC
   b. MOSFET
   c. GTO
   d. Thyristor

9) Which of these sets of logic gates are known as universal gates?
   a. XOR, NAND, OR
   b. OR, NOT, XOR
   c. NOR, NAND, XNOR
   d. NOR, NAND

10) What is the addition of the binary number 101001+ 010011=?
   a. 010100
   b. 111100
   c. 000111
   d. 101110

11) What is the binary subtraction of 101001 - 010110 =?
   a. 010011
   b. 100110
   c. 011001
   d. 010010

12) What is the binary multiplication of 10100 * 01011 =?
   a. 011011000
   b. 011001100
   c. 011011100
   d. 011100011

13) Divide the binary number: 111001 ÷ 1101 and find the reminder
   a. 1010
   b. 0110
   c. 0101
   d. 0011

14) In the toggle mode, a JK flip-flop has
   a. J = 0, K = 1
   b. J = 1, K = 1
   c. J = 0, K = 0
   d. J = 1, K = 0

15) A classification of integrated circuits with complexities of 30 to 300 equivalent gates on a single chip is known as?
   a. VLSI
   b. SSI
   c. LSI
   d. MSI

16) The inverter can be classified as
   a. Power Inverter
   b. Voltage source Inverter
   c. Current source Inverter
   d. Both option b and c

17) Temperature variation is a/an
   a. Analog quantity
   b. Digital quantity
   c. Either Analog or Digital quantity
   d. None of these

18) 1's complement of 1011001 is
   a. 0100111
   b. 0101100
   c. 0100110
   d. 0110110

19) 2's complement of 1011011 is
   a. 0100011
   b. 0110101
   c. 0100011
   d. 0100101

20) An overflow is a
   a. User input problem
   b. Hardware problem
   c. Software problem
   d. Input-Output problem

21) A digital circuit that can store only one bit is a
   a. Register
   b. NOR gate
   c. Flip-flop
   d. XOR gate

22) The excess-3 code for 584 is given by

a. 100010110111
b. 100001110111
c. 100010010110
d. 100001010110

23) In Digital electronics (Boolean algebra), the OR operation is performed by which of the given properties

a. Distributive properties
b. Commutative properties
c. Associative properties
d. All of these

24) The queue is also known as

a. Flash memory
b. FILO memory
c. Flash memory
d. FIFO memory

25) In three-phase half-wave rectifier, each diode conducts for a duration of

a. 1200
b. 900
c. 1800
d. 600

26) DeMorgan's Law states that

a. (A+B)' = A'*B
b. (AB)' = A' + B'
c. (AB)' = A' + B
d. (AB)' = A + B

27) The logical sum of two or more than two logical products is termed as

a. OR operation
b. POS
c. SOP
d. NAND operation

28) The Minterms for four variables

a. 8
b. 16
c. 2
d. 1

29) A K-map (Karnaugh map) is an abstract form of which diagram organized as a squares matrix.

a. Block diagram
b. Cycle diagram
c. Square diagram
d. Venn diagram

30) Which of the given device used in speed control of a DC motor?

a. NPN transistor
b. PNP transistor
c. FET
d. SCR

31) One nibble is equal to how many bits

a. 4
b. 2
c. 16
d. 8

32) Suppose the output of an XNOR gate is 1. Which of the given input combination is correct?

a. A = 0, B' = 1
b. A = 1, B = 1
c. A = 0, B = 1
d. A = 0, B = 0

33) In DTL, the logic gating function is performed by

a. Inductor
b. Diode
c. Transistor
d. Transformer

34) Which of the given logic family provide minimum power dissipation

a. JFET
b. ECL
c. CMOS
d. TTL

35) The AND operation is equivalent to

a. Union
b. Intersection
c. Division
d. Both option a and b

36) TTL is a class of digital circuits built from

a. Resistors only
b. BJT (Bipolar Junction Transistors) only
c. JEFT only
d. Both option a and b

37) Which logic unit is the fastest of all the logic families?

a. DTL
b. TTL
c. ECL
d. CMOS

38) Positive integers must be represented by

a. Signed numbers
b. Unsigned numbers
c. Both option a and b
d. None of the above

39) The Ward- Leonard system is used for controlling the speed of

a. Three-phase AC motors
b. Universal motors
c. Induction motors
d. DC motors

40) When the PIV rating of a diode is exceeded

a. The diode behaves like a thyristor.
b. The diode behaves like a resistor.
c. The diode is destroyed.
d. The diode behaves like a tunnel diode.

41) Which insulating layer is used in the fabrication of MOSFET?

a. Silicon Nitride
b. Aluminum sulphate
c. Copper sulphate
d. Silicon dioxide

42) CMOS technology used in?

a. Microprocessor
b. Inverter
c. Digital logic
d. Both option a and c

43) The basic building blocks of the arithmetic logic unit in digital computers are known as
   a. Adders
   b. Attenuator
   c. Demultiplexer
   d. Subtractors

44) The number of inputs in a half adder is?
   a. 8
   b. 2
   c. 11
   d. 32

45) Why is a decoder used in digital electronics?
   a. To convert non coded information into a binary coded form.
   b. To convert coded information into a non-coded form.
   c. It is used to divide address bus and data bus.
   d. None of these

46) How much input and output needed for demultiplexer?
   a. Many outputs to one input
   b. One input many outputs
   c. One input one output
   d. None of these

47) A register can be defined as
   a. The group of transistors for storing n- a bit of information
   b. The group of transistors for storing two bits of information
   c. The group of flip-flops for storing n bit of information
   d. The group of flip-flops for storing binary information.

48) The primary difference between a counter and a register is

   a. A counter has the capability to store n bit of information whereas a register has one bit.
   b. A register counts data.
   c. A register has no specific sequence of states.
   d. A counter has no particular sequence of states.

49) What is the radix of the octal number system?
   a. 2
   b. 10
   c. 8
   d. 16

50) Dual slop ADC has the value of R = 1 K? and the value of C is 0.44 nano-farad has charging and discharging time for some specific voltage is nine ns and 3 ns, respectively. If the reference voltage is 4.4 V, what is the peak voltage reached by a triangular wave during the charging process?
   a. 300 mV
   b. 30 mV
   c. 3 mV
   d. 3 mV

Digital Electronics

1.Answer: a

2.Answer: d

3.Answer: b

4.Answer: d

5.Answer: b

6.Answer: b

7.Answer: b

8.Answer: b

9.Answer: d

10.Answer: b

11.Answer: a

12.Answer: c

13.Answer: c

14.Answer: b

15.Answer: d

16.Answer: d

17.Answer: a

18.Answer: c

19.Answer: d

20.Answer: c

21.Answer: c

22.Answer: a

23.Answer: d

24.Answer: d

25.Answer: a

26.Answer: b

27.Answer: c

28.Answer: b

29.Answer: d

30.Answer: d

31.Answer: a

32.Answer: d

33.Answer: b

34.Answer: c

35.Answer: b

36.Answer: d

37.Answer: c

38.Answer: b

39.Answer: d

40.Answer: c

41.Answer: d

42.Answer: d

43.Answer: a

44.Answer: b

45.Answer: b

46.Answer: b

47.Answer: d

48.Answer: c

49.Answer: c

50.Answer: b

22-23

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PG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

---

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

Signature of the Student

AKKINENI NAGESWARA RAO COLLEGE

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PG DEPARTMENT OF COMPUTER SCIENCE

ADD-ON-COURSE

FEEDBACK FORM

1. Is the programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

G. Priyanka.
Signature of the Stud

AKKINENI NAGESWARA RAO COLLEGE

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UG DEPARTMENT OF STATISTICS

Add-On Course/Certificate Course

On

DESCRIPTIVE STATISTICS

2018-2019

Course Code: ACSTT181

Duration: 15-11-2018 To 05-01-2019 (30 Days)

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Statistics

Add-on Course: Descriptive Statistics

Duration: 15-11-2018 to 05-01-2019

STUDENT ENROLLMENT SHEET (2018-2019)

Regd. No.	Roll No	Student Name	Signature
18105501	501	Vasa Mohana .N.Venkata Vara Lakshmi	V.M.N.V.V Lakshmi
18105502	502	Kollipara.Divya Sahithi	K. Divya Sahithi
18105503	503	Vasa. Monika Naga rani	V. Monika.
18105505	505	Ravva.Naga Sai Hareesh	R. Naga Sai Hareesh
18105506	506	Cheviti .Bhavani	C. Bhavani
18105507	507	Thokala.Deepthika	T. Deepthika
18105508	508	kondaraju.Divya Bharagavi	K. Divya bharagavi
18105509	509	Abdul .Reshma Sultana	A. Reshma Sultana
18105510	510	Naazeen.Begum	N. Begum
18105512	512	Kolusu. Pujitha	Kolusu. Pujitha
18105513	513	Maddala.Prashanti kumari	M. Prashanthi.
18105515	515	Dasari.Dharamaraju	D. Dharmaraju
18105517	517	Vinnakota.jaya chandrika	V. Jaya Chandrika
18105401	1	Masimukku.Manjeera kishore	M. Manjeera Kishore
18105402	2	Manikonda.Maheswari	M. Maheswari
18105403	3	Mttipalli.Divya Sree Sai	M. Divya Sree sai
18105404	4	Seemala.chiranjeevi	S. Chiranjeevi
18105405	5	chintala.Ramu	C. Ramu
18105406	6	Anagani.Manasa	A. Manasa
18105407	7	Bokka.Gayatri Devi	B. Gayatri Devi
18105408	8	Naidu.Durga Prasad	N. Durga prasad
18105409	9	Pandraju.Manasa	P. Manasa
18105410	10	Nakka.Praveen	N. Praveen
18105411	11	Shaik.Munnisa	S. Munnisa
18105412	12	Kolluri.Ramesh	K. Ramesh.

Head of the Department

Co-Ordinator

Principal / Director

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AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE- Day wise Attendace (2018-2019)

Duration: 15-11-2018 to 05-01-2019 **Topic: Descripitive Statistics** **Lecturer: K.Seetha Maha Lakshmi**

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
501	Vasa Mohana N.Venkata Vara Lakshmi																															
502	Kollipara.Divya Sahithi																															
503	Vasa. Monika Naga rani																															
505	Ravva.Naga Sai Hareesh																															
506	Cheviti .Bhavani																															
507	Thokala.Deepthika																															
508	kondaraju.Divya Bharagavi																															
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510	Naazeen.Begum																															
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513	Maddala.Prashanti kumari																															
515	Dasari.Dharamaraju																															
517	Vinnakota.jaya chandrika																															
1	Masimukku.Manjeera kishore																															
2	Manikonda.Maheswari																															
3	Mttipalli.Divya Sree Sai																															
4	Seemala.chiranjeevi																															
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9	Pandraju.Manasa																															
10	Nakka.Praveen																															
11	Shaik.Munnisa																															
12	Kolluri.Ramesh																															
	Signature																															

Head of The Department

Co-Ordinator

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

DEPARTMENT OF STATISTICS

Add On Course

DESCRIPTIVE STATISTICS (2018-2019)

Objectives: The main objective of this course is to introduce Descriptive statistics and probability. By the end of course students are expected to be able.

i. To compute various measures of central tendency, dispersion, skewness and kurtosis

ii. To distinguish between random and non random experiments.

DESCRIPTIVE STATISTICS

Unit-I

1.1 Measures of central tendency:

1.1.1 Mean,Media,Mode

1.1.2 Geometric mean and Harmonic mean

1.2 Absolute and relative measures of dispersion:

1.2.1 Range, quartile deviation ,mean deviation and

1.2.2 Standard deviation

Unit-II

Moments:

2.1 Central and

2.2 Non-central (Raw) moments

2.3 Importance of moments

2.4 Their inter relationship

2.5 Sheppard's corrections for moments for grouped data.

Unit-III

Measures of skewness:

3.1 Karl pearson's

3.2 Bowley's formula (based on quartiles) and

3.3 Moments

Unit-IV

Measures of kurtosis

4.1 Kurtosis based on moments

4.2 Simple problems and Applications.

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14. Mode of 1, 2 ,3, 4, 4, 5 is _____

a) 4 b) 5 c) 2 d) 1

15. For mode in continuous series, class intervals _____ be equal and series _____ be exclusive.

a) Should, can b) Can, should **c) Should, should** d) Can, can

16. First moment about the origin is:

a) Mean b) Zero c) Variance d) None of these

17.The second central moment is:

a) zero b) mean c) standard deviation d) variance

18. Sheppard's correction in moments is required for

a) Sampling errors b) Grouping errors c) Classification errors d) All of the above

19. For a positively skewed distribution, mean is always:

a) Less than the median b) Less than the mode c) Greater than the mode d) Difficult to tell

20.. Coefficient of kurtosis β_2= ----------where μ_2 and μ_4 are the second and fourth moments about mean

(a). μ_2/μ_4^2 (b). μ_4^2/μ_2 (c). μ_4/μ_2^2 (d). μ_2^2/μ_4

21. A distribution with a kurtosis less than 3 is known as

a). Platykurtic (b). Leptokurtic (c).. Mesokurtic (d). Hyperkurtic

22. What is the kurtosis of a normal distribution

(a). 0 (b).. 1 (c). 2 (d). 3

23 What is the skewness of a normal distribution

(a). 0 (b). 1 (c). -1 (d). 2

24. What is the formula for measuring skewness in a dataset

(a). Mean-Median (b). Mode-Meadian

(c). 3(Mean-Median)/standard deviation (d). (Mean-Mode)/ standard deviation

25. Bowley's coefficient of skewness lies between

(a).0 and 1 (b).-1 and 1 (c). -1 and 0 (d).-2 and 2

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Department of statistics

Add on course

DESCRIPTIVE STATISTICS (2018-2019)

Scheme of Valuation

1) a 2) a 3) c 4) a 5) a 6)c 7) d 8) a 9) a 10) a 11) a 12) c 13) d
14) a 15) c 16) a 17) d 18) b 19) a 20) c 21) a 22) d 23) a 24) c 25) b

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

Department of statistics

Add on course Award List-2018 - 2019

Subject: Basic Statistics

Date of Exam: **Name of the Lecturer Valued: K.Seetha Maha Lakshmi**

Max.Marks:50

S.NO	Regd.NO	Roll.NO	Student Name	Marks In Fig	Marks In words
1	18105501	501	Vasa MohanaN.VenkataVara Lakshmi	46	Forty Six
2	18105502	502	Kollipara.DivyaSahithi	44	Forty Four
3	18105503	503	Vasa. Monika Naga rani	50	Fifty
4	18105505	505	Ravva.Naga Sai Hareesh	42	Forty Two
5	18105506	506	Cheviti .Bhavani	48	Forty Eight
6	18105507	507	Thokala.Deepthika	44	Forty Four
7	18105508	508	kondaraju.DivyaBharagavi	46	Forty six
8	18105509	509	Abdul .Reshma Sultana	42	Forty Two
9	18105510	510	Naazeen.Begum	40	Forty
10	18105512	512	Kolusu.Pujitha	46	Forty Six
11	18105513	513	Maddala.Prashantikumari	40	Forty
12	18105515	515	Dasari.Dharamaraju	46	Forty Six
13	18105517	517	Vinnakota.jayachandrika	50	Fifty
14	18105401	1	Masimukku.Manjeerakishore	50	Fifty
15	18105402	2	Manikonda.Maheswari	50	Fifty
16	18105403	3	Mttipalli.DivyaSree Sai	50	Fifty
17	18105404	4	Seemala.chiranjeevi	50	Fifty
18	18105405	5	chintala.Ramu	50	Fifty
19	18105406	6	Anagani.Manasa	40	Forty
20	18105407	7	Bokka.Gayatri Devi	46	Forty Six
21	18105408	8	Naidu.Durga Prasad	46	Forty Six
22	18105409	9	Pandraju.Manasa	48	Forty Eight
23	18105410	10	Nakka.Praveen	50	Fifty
24	18105411	11	Shaik.Munnisa	46	Forty six
25	18105412	12	Kolluri.Ramesh	42	Forty Two

Head of the Department

Coordinator

Principa/ Director

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UG DEPARTMENT OF STATISTICS

ADD-ON-COURSE (2018-2019)

FEEDBACK FORM

1. Is the Programme interested to you? (Yes / No)
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8. Do you have any suggestions on the programme? (Yes / No)

k. Pujitha.
Signature of the Student

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UG DEPARTMENT OF STATISTICS

ADD-ON-COURSE (2018-2019)

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C. Bhavani
Signature of the Student

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UG DEPARTMENT OF STATISTICS

Add-On Course/Certificate Course

On

DESCRIPTIVE STATISTICS

2019-2020

Course Code: ACSTT191

Duration: 10-12-2019 To 02-02-2020 (30 Days)

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Statistics

Add-on Course: Descriptive Statistics

Duration: 10-12-2019 to 02-02-2020

STUDENT ENROLLMENT SHEET (2019-2020)

Regd. No.	Roll No	Student Name	Signature
19105401	1	Jogi.Venu Manikanta	J. Venu Manikanta
19105402	3	Masimukku.Bhargavi	M. Bhargavi
19105403	4	Songala.siva Ramakrishna	S. Siva Ramakrishna.
19105404	5	Nandam.Manisha	N. manisha
19105405	6	Nagaripi.Ramu	N. Ramu.
19105406	7	Medanaki.Uday Krishna	M. Uday Krishna
19105407	8	Chaduvula.Pavan kumar	Ch. Pavan Kumar
19105408	9	Jeeru.Premeela	J. PREMEELA
19105409	10	Kandula.Naga babu	K. Nagababu.
19105410	11	Bandi.Lakshmi Narayana Murthy	B. L. N. Murthy
19105411	12	Gulla.Mahitha	G. Mahitha.
19105412	13	Raghumanda.Naga Avinash	R. Naga Avinash
19105501	501	Ambati.Sujatha	A. Sujatha.
19105502	502	Ande.Syam Kishore	A. Syam Kishore
19105503	503	Ankem.Saibabu	A. Syam Kishore
19105504	504	Appikonda.Mounika	A. mounika
19105505	505	Avula.Lakshmi Naga Sai	A. L. N. Sai
19105506	506	Bala.Naga Neelima	B. Naga Neelima
19105507	507	Bomidi.Dasa Veera Manikanta	B. N. Neelima
19105508	508	Bommanapalli.Devi Sirisha	B. D. Sirisha
19105509	509	Borra.Jhanavi	B. Jhanavi
19105510	510	Cheekurthi.Rajasri	Ch. Rajasri
19105511	511	Dokku.Veera Vishnavi	D. Veera Vishnavi
19105512	512	Gade.NagaSaiKumar	G. Nagasaikumar.
19105513	513	Gajula.SoumyaDurga	G. S. Durga.

Head of the Department

Co-Ordinator

Principal / Director

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AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE- Day wise Attendace (2019-2020)

Duration: 10-12-2018 to 02-02-2020 **Topic: Descripitive Statistics** **Lecturer: K.Aparna**

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
1	Jogi.Venu Manikanta	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	27
3	Masimukku.Bhargavi	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29
4	Songala.siva Ramakrishna	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	A	26
5	Nandam.Manisha	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	28
6	Nagaripi.Ramu	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29
7	Medanaki.Uday Krishna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	28
8	Chaduvula.Pavan kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	29
9	Jeeru.Premeela	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	29
10	Kandula.Naga babu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30
11	Bandi.Lakshmi Narayana Murthy	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	28
12	Gulla.Mahitha	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	27
13	Raghumanda.Naga Avinash	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	28
501	Ambati.Sujatha	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	28
502	Ande.Syam Kishore	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	27
503	Ankem.Saibabu	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	26
504	Appikonda.Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	29
505	Avula.Lakshmi Naga Sai	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	28
506	Bala.Naga Neelima	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	28
507	Bomidi.Dasa Veera Manikanta	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	28
508	Bommanapalli.Devi Sirisha	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30
509	Borra.Jhanavi	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	29
510	Cheekurthi.Rajasri	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	29
511	Dokku.Veera Vishnavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	29
512	Gade.NagaSaiKumar	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	A	P	P	P	P	P	P	26
513	Gajula.SoumyaDurga	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	28
	Signature																															

Head of The Department

Co-Ordinator

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DEPARTMENT OF STATISTICS

Add On Course

DESCRIPTIVE STATISTICS (2019-2020)

Objectives: The main objective of this course is to introduce Descriptive statistics and probability. By the end of course students are expected to be able.

i. To compute various measures of central tendency, dispersion, skewness and kurtosis

ii. To distinguish between random and non random experiments.

DESCRIPTIVE STATISTICS

Unit-I

1.1 Measures of central tendency:

1.1.1 Mean,Media,Mode

1.1.2 Geometric mean and Harmonic mean

1.2 Absolute and relative measures of dispersion:

1.2.1 Range, quartile deviation ,mean deviation and

1.2.2 Standard deviation

Unit-II

Moments:

2.1 Central and

2.2 Non-central (Raw) moments

2.3 Importance of moments

2.4 Their inter relationship

2.5 Sheppard's corrections for moments for grouped data.

Unit-III

Measures of skewness:

3.1 Karl pearson's

3.2 Bowley's formula (based on quartiles) and

3.3 Moments

Unit-IV

Measures of kurtosis

4.1 Kurtosis based on moments

4.2 Simple problems and Applications.

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(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

Department of statistics
Add on course
DESCRIPTIVE STATISTICS (2019-2020)

Name of The student:
Name of the programme:
Time:1.30 hours **Max Marks:50** **Pass Mark:25**

Answer ALL the questions **25x2=50 marks**

1. Arithmetic Mean is equal to _____

a) Sum of values of observations / No: of observations b) Half of values of observations x No: of observations

c) Sum of values of observations + No: of observations d) Sum of values of observations % No: of observations

2. $\bar{X}$ **=_____**

a) $(x_1 + x_2 + x_3 + \ldots\ldots\ldots\ldots + x_n) \div n$ b) $(x_1 - x_2 - x_3 - \ldots\ldots\ldots\ldots - x_n) \div n$

c) $(x_1 * x_2 * x_3 * \ldots\ldots\ldots\ldots * x_n) \div n$ d) None

3.To calculate the median, all the items of a series have to be arranged in an

(a)Descending order (b) Ascending order **(c) Ascending or descending order** (d)None of the above

4. What is the mean of the following numbers: 23, 45, 87, 40, 50?

(a) 49 (b) 34 (c) 56 (d) None of the above

5. Which is not represented by graphical

a) Mean b) Median c) Mode d) Geometric mean

6.What is the median?

a) Difference between higher half and lower half of the data set
b) Mean of the highest and lowest number in a data sample
c) Value separating higher half from the lower half of a data sample
d) Difference between the highest and lowest number.

7. Median can be calculated from _____

a) Individual Series b) Discrete Series c) Continuous Series **d) All of the above**

8. What is the formula for the median of Grouped data?

a) Median = L + [(n / 2 – cf) / f] * h b) Median = L + [(n / 2 + cf) / f] * h

c) Median = L + [(n / 2 – cf) / f] + h d) Median = L * [(n / 2 – cf) / f] * h

9. What is the Median of the following data sample?

2, 7, 4, 8, 9, 10, 6, 12, 13

a) 8 b) 11 c) 9 d) 10

10. Position of median is equal to _____ item.

a) (N+1) / 2 b) (N-1) / 2 c) (N*(N+1)) / 2 d) None

11. Mode refers to the value within a series that occurs _____ number of times.

a) Maximum (b) Minimum (c) Zero (d) Infinite

12. Which of the following diagrams is used to find the value of mode graphically?

(a). Pie chart (b) Bar graph (c) Histogram (d) None of the above

13. Bimodal formula is _____

a) 3 Median % 2 Mean b) 3 Median + 2 Mean c) 3 Median x 2 Mean **d) 3 Median – 2 Mean**

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14. Mode of 1, 2 ,3, 4, 4, 5 is _____

a) 4 b) 5 c) 2 d) 1

15. For mode in continuous series, class intervals _____ be equal and series _____ be exclusive.

a) Should, can b) Can, should **c) Should, should** d) Can, can

16. First moment about the origin is:

a) Mean b) Zero c) Variance d) None of these

17.The second central moment is:

a) zero b) mean c) standard deviation d) variance

18. Sheppard's correction in moments is required for

a) Sampling errors b) Grouping errors c) Classification errors d) All of the above

19. For a positively skewed distribution, mean is always:

a) Less than the median b) Less than the mode c) Greater than the mode d) Difficult to tell

20.. Coefficient of kurtosis β_2= ----------where μ_2 and μ_4 are the second and fourth moments about mean

(a). μ_2/μ_4^2 (b). μ_4^2/μ_2 (c). μ_4/μ_2^2 (d). μ_2^2/μ_4

21. A distribution with a kurtosis less than 3 is known as

a). Platykurtic (b). Leptokurtic (c).. Mesokurtic (d). Hyperkurtic

22. What is the kurtosis of a normal distribution

(a). 0 (b).. 1 (c). 2 (d). 3

23 What is the skewness of a normal distribution

(a). 0 (b). 1 (c). -1 (d). 2

24. What is the formula for measuring skewness in a dataset

(a). Mean-Median (b). Mode-Meadian

(c). 3(Mean-Median)/standard deviation (d). (Mean-Mode)/ standard deviation

25. Bowley's coefficient of skewness lies between

(a).0 and 1 (b).-1 and 1 (c). -1 and 0 (d).-2 and 2

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

Department of statistics
Add on course
DESCRIPTIVE STATISTICS (2019-2020)

Scheme of Valuation

1) a 2) a 3) c 4) a 5) a 6)c 7) d 8) a 9) a 10) a 11) a 12) c 13) d 14) a 15) c 16) a 17) d 18) b 19) a 20) c 21) a 22) d 23) a 24) c 25) b

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

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Department of statistics

Add on course Award List-2019 - 2020

Subject: Descriptive Statistics

Date of Exam: **Name of the Lecturer Valued: K.Aparna**

Max.Marks:50

S.NO	Regd.NO	Roll.NO	Student Name	Marks In Fig	Marks In words
1	19105401	1	Jogi.Venu Manikanta	50	Fifty
2	19105402	3	Masimukku.Bhargavi	36	Thirty six
3	19105403	4	Songala.siva Ramakrishna	48	Forty eight
4	19105404	5	Nandam.Manisha	40	Forty
5	19105405	6	Nagaripi.Ramu	46	Forty six
6	19105406	7	Medanaki.Uday Krishna	40	Forty
7	19105407	8	Chaduvula.Pavan kumar	48	Forty eight
8	19105408	9	Jeeru.Premeela	42	Forty two
9	19105409	10	Kandula.Naga babu	48	Forty eight
10	19105410	11	Bandi.Lakshmi Narayana Murthy	46	Forty six
11	19105411	12	Gulla.Mahitha	36	Thirty six
12	19105412	13	Raghumanda.Naga Avinash	44	Forty four
13	19105501	501	Ambati.Sujatha	48	Forty eight
14	19105502	502	Ande.Syam Kishore	40	Forty
15	19105503	503	Ankem.Saibabu	50	Fifty
16	19105504	504	Appikonda.Mounika	44	Forty four
17	19105505	505	Avula.Lakshmi Naga Sai	50	Fifty
18	19105506	506	Bala.Naga Neelima	50	Fifty
19	19105507	507	Bomidi.DasaVeera Manikanta	42	Forty two
20	19105508	508	Bommanapalli.Devi Sirisha	48	Forty eight
21	19105509	509	Borra.Jhanavi	46	Forty six
22	19105510	510	Cheekurthi.Rajasri	50	Fifty
23	19105511	511	Dokku.Veera Vishnavi	48	Forty eight
24	19105512	512	Gade.Naga Sai Kumar	46	Forty six
25	19105513	513	Gajula.Soumya Durga	34	Thirty four

Head of the Department

Coordinator

Principal / Director

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AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
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An ISO 9001:2015 Certified Organization

UG DEPARTMENT OF STATISTICS

ADD-ON-COURSE (2019-2020)

FEEDBACK FORM

1. Is the Programme interested to you? (Yes / No)
2. Have you attended all the session? (Yes / No)
3. Is the content of the Programme is adequate? (Yes / No)
4. Has the teacher covered the entire syllabus? (Yes / No)
5. Is the number of hours adequate? (Yes / No)
6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the Programme? (Yes / No)
7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)
8. Do you have any suggestions on the programme? (Yes / No)

C. Rajasri
Signature of the Student

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UG DEPARTMENT OF STATISTICS

ADD-ON-COURSE (2019-2020)

FEEDBACK FORM

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8. Do you have any suggestions on the programme? (Yes / No)

B. Jhansi
Signature of the Student

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UG DEPARTMENT OF STATISTICS

Add-On Course/Certificate Course

On

BASIC STATISTICS

2020-2021

Course Code: ACSTT201

Duration: 24-01-2021 To 10-03-2021 (30 Days)

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Statistics

Add-on Course: Basic Statistics

Duration: 24-01-2021 to 10-03-2021

STUDENT ENROLLMENT SHEET (2020-2021)

Regd. No.	Roll No	Student Name	Signature
20105201	201	Katuri Jayendra Satyavathi	K. Jayendra Satyavathi
20105202	202	Parasa Sravani	P. Sravani
20105203	203	Bhimsing Sandhya	B. Sandhya
20105204	204	Nakkabuddi Sudheer babu	N. Sudheer babu
20105205	205	Pasam Nagalatha	P. Nagalatha
20105206	206	Neelapala Naga Ayyapa	N Naga Ayyapa
20105207	207	Kagitha Bhagya Raja	K. Bhagya raju
20105208	208	Veeramallu Sai Ram	V. Sai Ram
20105209	209	Nerusu Niranjan	N. Niranjan
20105210	210	Narudu Purna ganesh	N. P. Ganesh
20105211	211	Bhupathi Nissy	B. Nissy
20105212	212	Issaveera Hari Manikanta	I. Hari Manikanta.
20105213	213	Dumpala Manikanta	D. Manikanta
20105214	214	Goriparthi Yaga Govindha raju	G. Yaga Govindha raju
20105215	215	Karre Syam Sundar	K. Syam Sundar
20105216	216	Juvvanapudi Vasu	J. Vasu
20105217	217	Gundabattina Konda Babu	G. Konda babu
20105218	218	Gadidesi Kireethi	G. Kireethi
20105219	229	Vasipalli Vivek	V. Vivek
20105220	220	Vemula Siva Shankar	V. Siva shankar
20105221	221	Dasari Sunil babu	D. Sunil babu
20105222	222	Kodali vamsi babu	K. Vamsi babu
20105223	223	Nimmagadda Chandu	N. Chandu
20105224	224	Jujjavarapu Premkumar	J. Premkumar
20105225	225	Atluri Durga Bhavani	A. Durga Bhavani

Head of the Department

Co-Ordinator

Principal

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AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE- Day wise Attendace (2020-2021)

Duration:24-01-2021 to 10-03-2021 **Topic: Basic Statistics** **Lecturer: P.Sree Devi**

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
201	Katuri Jayendra Satyavathi	x	x	a	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	27
202	Parasa Sravani	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	a	x	x	x	x	x	28
203	Bhimsing Sandhya	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x		a	27
204	Nakkabuddi Sudheer babu	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	28
205	Pasam Nagalatha	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	a	x	x	x	x	x	x	28
206	Neelapala Naga Ayyapa	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	28
207	Kagitha Bhagya Raja	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	28
208	Veeramallu Sai Ram	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	a	x	27
209	Nerusu Niranjan	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	28
210	Narudu Purna ganesh	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	a	x	x	x	x	x	x	27
211	Bhupathi Nissy	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	28
212	Issaveera Hari Manikanta	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	a	x	x	x	28
213	Dumpala Manikanta	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	a	x	x	28
214	Goriparthi Yaga Govindha raju	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	a	x	x	28
215	Karre Syam Sundar	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	28
216	Juvvanapudi Vasu	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	a	x	27
217	Gundabattina Konda Babu	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	28
218	Gadidesi Kireethi	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	28
229	Vasipalli Vivek	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	28
220	Vemula Siva Shankar	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	a	x	x	x	x	27
221	Dasari Sunil babu	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	29
222	Kodali vamsi babu	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	29
223	Nimmagadda Chandu	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	a	x	x	x	a	x	27
224	Jujjavarapu Premkumar	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	a	x	x	x	x	x	x	x	a	x	x	x	27
225	Atluri Durga Bhavani	x	x	x	a	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	a	x	x	x	x	x	a	x	26
	Signature																															

Head of The Department

Co-Ordinator

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

Department of stastistics

Add on course

BASIC STATISTICS(2020-2021)

Objectives: The main objective of this course is to introduce Basic statistics. By the end of course students are expected to be able

- To know the collection of data and its types.
- To compute various measures of central tendency, dispersion, moments for ungrouped and grouped data.

Unit-I (10hrs)

Concepts of primary and secondary data-methods of collection and editing of primary data-designing a questionnaire and schedule.

Unit-II (10hrs)

Measures of central tendency- dispersions.

Unit-III (10hrs)

Central and non-central moments-importance-inter relations- shepperd's corrections for grouped data.

Text Books:

1. V.K.Kapoor and S.C.Gupta: Fundamentals of MathematicalStatistics.SultanChand &Sons, NewDelhi.
2. BA/BSc I year statistics - descriptive statistics, probability distribution - Telugu Academy - Dr M.Jaganmohan Rao,Dr N.Srinivasa Rao, Dr P.Tirupathi Rao, Smt.D.Vijayalakshmi.

Reference books:

1. Goon AM, Gupta MK, Das Gupta B : Fundamentals of Statistics , Vol-I, the World Press Pvt.Ltd.,Kolakota.
2. Hoel P.G: Introduction to mathematical statistics, Asia Publishinghouse.
3. M. JaganMohan Rao and Papa Rao: A Text book of StatisticsPaper-I.

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Department of statistics

Add on course

BASIC STATISTICS (2020-2021)

Name of The student:
Name of the programmee:
Time:1.30 hours **Max Marks:50** **Pass Mark:25**

Answer all the questions **25X2=50 Marks**

1. Which of the following are methods under measures of dispersion?

   a. Standard deviation b. Mean deviation c. Range d. All of the above

2. The numerical value of a standard deviation can never be _____.

   a. Negative b. Zero c. Larger than the variance d. None of the above

3. Which of the following measures of dispersion can attain a negative value?

   a. Mean deviation b. Range c. Standard deviation d. None of the above

4. The square of standard deviation is _____.

   a. Square deviation b. Mean square deviation c. Variance d. None of the above

5. Which measure of central tendency includes the magnitude of scores?

   a. Mean b. Mode c. Median d. Range

6. The median is _____.

   a. The middle point b. The highest number c. The average d. Affected by extreme scores

7. Which of the following is NOT a measure of variability?

   a. Median b. Variance c. Standard deviation d. Range

8. The standard deviation is:

   a. The square root of the variance b. A measure of variability

   c. An approximate indicator of how numbers vary from the mean d. All of the above

9. Which of the following is NOT a common measure of central tendency?

   a. Mode b. Range c. Median d. Mean

10. The coefficient of variation is a percentage expression for _____.

    a. Standard deviation b. Quartile deviation c. Mean deviation d. None of the above

11. The _____ is often the preferred measure of central tendency if the data are severely skewed.

    a. Mean b. Median c. Mode d. Range

12. As a general rule, the _____ is the best measure of central tendency because it is more precise.

    a. Mean b. Median c. Mode d. Range

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13. The most frequently occurring number in a set of values is called the ____.

a. Mean b. Median c. Mode d. Range

14. Which of the following cannot be calculated for open-ended distributions?

(a) Standard deviation (b) Mean deviation (c) Range (d) None of the above

15.What is the median of the following set of scores?

18, 6, 12, 10, 14 ?

a. 10 b. 14 c. 18 d. 12

16. The primary data are collected by

a. Interview method b. Observation method c. Questionnaire method d. All of the above

17. The data collected on the height of a group of student after recording their heights with a measuring tape are

a. Primary data b .Secondary data c. Continuous data d. None of the above

18. The quickest method to collect primary data is

a. Personal interview b. Indirect interview c. Telephone interview d. By observation

19. Standard deviation is always computed from

a. Mean b. Mode c. Median d. Geometric mean

20. Which of the following is a measure of central value

a. Median b. Standard deviation c. Mean deviation d. Quartile deviation

21. Geometric mean is a good measure of central value if the data are

a. Categorical b. On ordinal scale c. In ratios or proportions \ d. None of the above

22 .Mean of a set of values is based on

a. All values b. 50 percent values c. First and last value d. Maximum and minimum value

23.The first four central moments of a distribution are used to find skewness and kurtosis of a distribution

a. May be false b. True c. False d. May be true

24. For studying the peak of the distribution coefficient of _____ is used

a. Skewness b. Skewness and kurtosis c. Kurtosis c. None of these

25..The appearance of the _____ curve is neither elongated nor flattened

a. Platy kurtic b. Meso kurtic curve c. Leptokurtic curve d. None of these

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Department of stastistics

Add on course

BASIC STATISTICS(2020-2021)

Scheme of Valuation

1.d 2.a 3.b 4.c 5.a 6.a 7.a 8.d 9.b 10.a 11.b 12.a 13.c 14.b 15.d
16.d 17.a 18.c 19.a 20.a 21.c 22.a 23.b 24.c 25.b

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

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Department of statistics

Add on course Award List-2020-21

Subject: Descriptive Statistics **Max.Marks:50**

Date of Exam: 10-03-2021 **Name of the Lecturer Valued: P.Sree Devi**

S.NO	Regd.NO	Roll.NO	Student Name	Marks In Fig	Marks In words
1	20105201	201	Katuri Jayendra Satyavathi	34	Thirty four
2	20105202	202	Parasa Sravani	36	Thirty six
3	20105203	203	Bhimsing Sandhya	34	Thirty four
4	20105204	204	Nakkabuddi Sudheer babu	50	Fifty
5	20105205	205	Pasam Naga latha	40	Forty
6	20105206	206	Neelapala Naga Ayyapa	44	Forty four
7	20105207	207	Kagitha Bhagya Raja	50	Fifty
8	20105208	208	Veeramallu Sai Ram	48	Forty eight
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10	20105210	210	Narudu Purna ganesh	42	Forty two
11	20105211	211	Bhupathi Nissy	46	Forty six
12	20105212	212	Issaveera Hari Manikanta	44	Forty four
13	20105213	213	Dumpala Mani kanta	48	Forty eight
14	20105214	214	Goriparthi YagaGovindharaju	44	Forty four
15	20105215	215	Karre Syam Sundar	40	Forty
16	20105216	216	Juvvanapudi Vasu	40	Forty
17	20105217	217	Gundabattina Konda Babu	42	Forty two
18	20105218	218	Gadidesi Kireethi	40	Forty
19	20105219	229	Vasipalli Vivek	42	Forty two
20	20105220	220	Vemula Siva Shankar	42	Forty two
21	20105221	221	Dasari Sunil babu	42	Forty two
22	20105222	222	Kodali vamsibabu	42	Forty two
23	20105223	223	Nimmagadda Chandu	50	Fifty
24	20105224	224	Jujjavarapu Premkumar	50	Fifty
25	20105225	225	Atluri Durga Bhavani	50	Fifty

Head of the Department

Coordinator

Principal

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AKKINENI NAGESWARA RAO COLLEGE

(with Post - Graduate Courses)
Autonomous & Affiliated to Krishna University
Accredited by NAAC at 'A' level
An ISO 9001:2015 Certified Organization

UG DEPARTMENT OF STATISTICS

ADD-ON-COURSE (2020-2021)

FEEDBACK FORM

1. Is the Programme interested to you? (Yes / No)
2. Have you attended all the session? (Yes / No)
3. Is the content of the Programme is adequate? (Yes / No)
4. Has the teacher covered the entire syllabus? (Yes / No)
5. Is the number of hours adequate? (Yes / No)
6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the Programme? (Yes / No)
7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)
8. Do you have any suggestions on the programme? (Yes / No)

D. Markanda.
Signature of the Student

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UG DEPARTMENT OF STATISTICS

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8. Do you have any suggestions on the programme? (Yes / No)

N. Chandu.
Signature of the Student

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AKKINENI NAGESWARA RAO COLLEGE

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UG DEPARTMENT OF STATISTICS

Add-On Course/Certificate Course

On

BASIC STATISTICS

2021-2022

Course Code: ACSTT211

Duration: 01-03-2022 To 11-04-2022 (30 Days)

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Statistics

Add-on Course: Basic Statistics

Duration: 01-03-2022 to 11-04-2022

STUDENT ENROLLMENT SHEET (2021-2022)

Regd. No.	Roll No	Student Name	Signature
20105501	564	Akula.Chandra sai lakshmi	A.chandrasai lakshmi
20105503	501	Ammarthala.Santosh	A. Santosh
20105505	503	Boddu.Jamini	B. Jamini
20105507	505	Borra.Deekshitha	B. Deekshitha
20105509	507	Dokiparthi.Venkata Uday	D. Venkata Uday
20105511	509	Enikepalli.Bhuvaneswari	E. Bhuvaneswari
20105541	538	Mutuyala.Prem chand	M. Prem chand
20105542	539	Nalapu.Venkayyaswamy	N. Venkayyaswamy
20105543	540	Natta.Yamini	N. Yamini
20105544	541	Neelisetty.Gnaneswararao	N. Gnaneswararao
20105545	542	Nerusu.Bhargavi	N. Bhargavi
20105546	543	Nethitti.Satyavathi	N. Satyavathi
20105401	01	Sripani.Ganesh kumar	S. Ganesh Kumar
20105403	03	Maya.Hema sri	M. Hema Sri
20105406	06	Daggu.Subramanyam	D. Subramanyam
20105409	09	Ede.Venkatesh	Ede. Venkatesh
20105412	12	Bantumilli.Naveen	B. Naveen
20105413	13	Mohammad.Anees Fathima	M. Anees Fathima
20105416	16	Posina.siva	P. Siva
20105419	19	Sammeta.Naga Varun sai	S. Naga Varun sai
20105422	22	Garlapati.Bhaskara rao	G. Bhaskara rao
20105426	26	Maddala.Yadeedhyaswarag	M. Yadeedhyaswarag
20105430	30	Gudavalli.Ganesh babu	G. Ganesh babu
20105436	36	Linka.Lavanya	L. Lavanya
20105443	43	Dusi.Sai charan	D. Sai charan

Head of the Department

Co-Ordinator

Principal

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AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE- Day wise Attendace (2021-2022)

Duration: 01-03-2022 to 11-04-2022 **Topic: Basic Statistics** **Lecturer: S.Ramesh**

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
564	Akula.Chandra sai lakshmi	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	27
501	Ammarthala.Santosh	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	27
503	Boddu.Jamini	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	28
505	Borra.Deekshitha	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	28
507	Dokiparthi.Venkata Uday	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	27
509	Enikepalli.Bhuvaneswari	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	28
538	Mutuyala.Prem chand	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	27
539	Nalapu.Venkayyaswamy	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	28
540	Natta.Yamini	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	28
541	Neelisetty.Gnaneswararao	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	28
542	Nerusu.Bhargavi	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	27
543	Nethitti.Satyavathi	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	25
1	Sripani.Ganesh kumar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	28
3	Maya.Hema sri	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	27
6	Daggu.Subramanyam	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	29
9	Ede.Venkatesh	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	28
12	Bantumilli.Naveen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	29
13	Mohammad.Anees Fathima	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	28
16	Posina.siva	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	29
19	Sammeta.Naga Varun sai	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	29
22	Garlapati.Bhaskara rao	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	27
26	Maddala.Yadeedhyaswarag	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	28
30	Gudavalli.Ganesh babu	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	28
36	Linka.Lavanya	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	28
43	Dusi Sai charan	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	a	✓	✓	✓	✓	✓	✓	✓	✓	27
	Signature																															

Head of The Department

Co-Ordinator

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

Department of stastistics

Add on course-2

BASIC STATISTICS

Objectives: The main objective of this course is to introduce Basic statistics. By the end of course students are expected to be able

- To know the collection of data and its types.
- To compute various measures of central tendency, dispersion, moments for ungrouped and grouped data.

Unit-I (10hrs)

Concepts of primary and secondary data-methods of collection and editing of primary data-designing a questionnaire and schedule.

Unit-II (10hrs)

Measures of central tendency- dispersions.

Unit-III (10hrs)

Central and non-central moments-importance-inter relations- shepperd's corrections for grouped data.

Text Books:

1. V.K.Kapoor and S.C.Gupta: Fundamentals of MathematicalStatistics,SultanChand &Sons, NewDelhi.
2. BA/BSc I year statistics - descriptive statistics, probability distribution - Telugu Academy - Dr M.Jaganmohan Rao,Dr N.Srinivasa Rao, Dr P.Tirupathi Rao, Smt.D.Vijayalakshmi.

Reference books:

1. Goon AM, Gupta MK, Das Gupta B : Fundamentals of Statistics , Vol-I, the World Press Pvt.Ltd.,Kolakota.
2. Hoel P.G: Introduction to mathematical statistics, Asia Publishinghouse.
3. M. JaganMohan Rao and Papa Rao: A Text book of StatisticsPaper-I.

AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

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Department of statistics
Add on course
BASIC STATISTICS (2021-2022)

Name of The student:
Name of the programmee:
Time:1.30 hours **Max Marks:50** **Pass Mark:25**

Answer all the questions **25X2=50 Marks**

1. Which of the following are methods under measures of dispersion?

   a. Standard deviation b. Mean deviation c. Range d. All of the above

2. The numerical value of a standard deviation can never be _____.

   a. Negative b. Zero c. Larger than the variance d. None of the above

3. Which of the following measures of dispersion can attain a negative value?

   a. Mean deviation b. Range c. Standard deviation d. None of the above

4. The square of standard deviation is _____.

   a. Square deviation b. Mean square deviation c. Variance d. None of the above

5. Which measure of central tendency includes the magnitude of scores?

   a. Mean b. Mode c. Median d. Range

6. The median is _____.

   a. The middle point b. The highest number c. The average d. Affected by extreme scores

7. Which of the following is NOT a measure of variability?

   a. Median b. Variance c. Standard deviation d. Range

8. The standard deviation is:

   a. The square root of the variance b. A measure of variability

   c. An approximate indicator of how numbers vary from the mean d. All of the above

9. Which of the following is NOT a common measure of central tendency?

   a. Mode b. Range c. Median d. Mean

10. The coefficient of variation is a percentage expression for _____.

    a. Standard deviation b. Quartile deviation c. Mean deviation d. None of the above

11. The _____ is often the preferred measure of central tendency if the data are severely skewed.

    a. Mean b. Median c. Mode d. Range

12. As a general rule, the _____ is the best measure of central tendency because it is more precise.

    a. Mean b. Median c. Mode d. Range

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13. The most frequently occurring number in a set of values is called the ____.

a. Mean b. Median c. Mode d. Range

14. Which of the following cannot be calculated for open-ended distributions?

(a) Standard deviation (b) Mean deviation (c) Range (d) None of the above

15.What is the median of the following set of scores?

18, 6, 12, 10, 14 ?

a. 10 b. 14 c. 18 d. 12

16. The primary data are collected by

a. Interview method b. Observation method c. Questionnaire method d. All of the above

17. The data collected on the height of a group of student after recording their heights with a measuring tape are

a. Primary data b .Secondary data c. Continuous data d. None of the above

18. The quickest method to collect primary data is

a. Personal interview b. Indirect interview c. Telephone interview d. By observation

19. Standard deviation is always computed from

a. Mean b. Mode c. Median d. Geometric mean

20. Which of the following is a measure of central value

a. Median b. Standard deviation c. Mean deviation d. Quartile deviation

21. Geometric mean is a good measure of central value if the data are

a. Categorical b. On ordinal scale c. In ratios or proportions \ d. None of the above

22 .Mean of a set of values is based on

a. All values b. 50 percent values c. First and last value d. Maximum and minimum value

23.The first four central moments of a distribution are used to find skewness and kurtosis of a distribution

a. May be false b. True c. False d. May be true

24. For studying the peak of the distribution coefficient of _____ is used

a. Skewness b. Skewness and kurtosis c. Kurtosis c. None of these

25..The appearance of the _____ curve is neither elongated nor flattened

a. Platy kurtic b. Meso kurtic curve c. Leptokurtic curve d. None of these

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

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Department of stastistics

Add on course (2021-22)

BASIC STATISTICS

Scheme of Valuation

1.d 2.a 3.b 4.c 5.a 6.a 7.a 8.d 9.b 10.a 11.b 12.a 13.c 14.b 15.d 16.d 17.a 18.c 19.a

20.a 21.c 22.a 23.b 24.c 25.b

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

Department of statistics

Add on course Award List-2021-22

Subject: Basic Statistics

Date of Exam: 11-04-2022 **Name of the Lecturer Valued: S.Ramesh** **Max. Marks: 50**

S.NO	Regd.NO	Roll.NO	Student Name	Marks In Fig	Marks In words
1	20105501	564	Akula.Chandrasai lakshmi	44	Fourty four
2	20105503	501	Ammarthala.Santosh	44	Fourty four
3	20105505	503	Boddu.Jamini	46	Fourty six
4	20105507	505	Borra.Deekshitha	40	Fourty
5	20105509	507	Dokiparthi.Venkata Uday	48	Fourty eight
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8	20105542	539	Nalapu.Venkayya swamy	44	Forty four
9	20105543	540	Natta.Yamini	46	Forty six
10	20105544	541	Neelisetty.Gnaneswara rao	50	Fifty
11	20105545	542	Nerusu.Bhargavi	46	Fourty six
12	20105546	543	Nethitti.Satyavathi	48	Fourty eight
13	20105401	01	Sripani.Ganesh kumar	48	Fourty eight
14	20105403	03	Maya.Hema sri	48	Fourty eight
15	20105406	06	Daggu.Subramanyam	44	Fourty four
16	20105409	09	Ede.Venkatesh	42	Fourty two
17	20105412	12	Bantumilli.Naveen	44	Fourty four
18	20105413	13	Mohammad.Anees Fathima	50	Fifty
19	20105416	16	Posina.siva	42	Fourty two
20	20105419	19	Sammeta.Naga Varun sai	50	Fifty
21	20105422	22	Garlapati.Bhaskara rao	46	Fourty six
22	20105426	26	Maddala.Yadeedhyaswarao	42	Fourty two
23	20105430	30	Gudavalli.Ganesh babu	40	Fourty
24	20105436	36	Linka.Lavanya	40	Fourty
25	20105443	43	Dusi.Sai charan	50	Fifty

Head of the Department

Coordinator

Principal

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UG DEPARTMENT OF STATISTICS

ADD-ON-COURSE (2021-2022)

FEEDBACK FORM

1. Is the Programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the Programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the Programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

D. Sai charan.

Signature of the Student

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UG DEPARTMENT OF STATISTICS

ADD-ON-COURSE (2021-2022)

FEEDBACK FORM

1. Is the Programme interested to you? (Yes / No)
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4. Has the teacher covered the entire syllabus? (Yes / No)
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7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)
8. Do you have any suggestions on the programme? (Yes / No)

L. Lavanya.
Signature of the Student

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UG DEPARTMENT OF STATISTICS

Add-On Course/Certificate Course

On

DESCRIPTIVE STATISTICS

2022-2023

Course Code: ACSTT221

Duration: 01-11-2022 To 19-12-2022 (30 Days)

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

UG Department Of Statistics

Add-on Course: Descriptive Statistics

Duration: 01-11-2022 to 19-12-2022

STUDENT ENROLLMENT SHEET (2022-2023)

Regd. No.	Roll No	Student Name	Signature
21105401		A.Sai	A. Sai
21105408	1	D.Kalyan	D. Kalyan
21105411	7	G.Simhachalam	G. Simhachalam
21105418	8	M.Nikitha	M. Nikitha
21105423	16	M.Chinna	M Chinna
21105428	14	N.Raju	N. Raju
21105436	33	S.Sunneta	S. Sunneta
21105439	27	G.Sireesha	G. Sireesha
21105441	11	V.Sunneth kumar	V. Sunneth kumar
21105443	26	V.Eswara sai	V. Eswara Sai
21105501	34	A.Ramya	A. Ramya
21105503	502	A.Tejasri	A. Teja Sri
21105507	550	D.Vijayasanthi	D. Vijayasanthi
21105512	513	E.Harika	E. Harika
21105517	508	G.Harika	G. Harika
21105522	517	J.Hari	J. Hari
21105528	565	K.Sandhya	K. Sandhya
21105541	503	P.Tarak	P. Tarak
21105544	543	P.Santosh	P. Santosh
21105550	529	R.Ballu	R. Ballu
21105551	537	S.Jhanavi	S. Jhanavi
21105554	544	S.Karthik	S. Karthik
21105562	548	V.Vamsi	V. Vamsi
21105563	535	V.Siva nandini	V. Siva nandini
21105565	534	Y.Vasantha	Y. Vasantha

Head of the Department

Co-Ordinator

Principal

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AKKINENI NAGESWARA RAO COLLEGE : GUDIVADA

ADD-ON COURSE- Daywise Attendace (2022-2023)

Duration: 01-11-2022 to 19-12-2022 **Topic: Descriptive Statistics** **Lecturer: K.Aparna**

Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
1	A.Sai																															27
7	D.Kalyan																															28
8	G.Simhachalam																															27
16	M.Nikitha																															28
14	M.Chinna																															28
33	N.Raju																															28
27	S.Sunneta																															28
11	G.Sireesha																															28
26	V.Sunneth kumar																															29
34	V.Eswara sai																															28
502	A.Ramya																															28
550	A.Tejasri																															28
513	D.Vijayasanthi																															28
508	E.Harika																															28
517	G.Harika																															28
565	J.Hari																															28
503	K.Sandhya																															28
543	P.Tarak																															28
529	P.Santosh																															28
537	R.Ballu																															28
544	S.Jhanavi																															28
548	S.Karthik																															29
535	V.Vamsi																															27
534	V.Siva nandini																															29
531	Y.Vasantha																															29
	Signature																															

Head of The Department

Co-Ordinator

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AKKINENI NAGESWARA RAO COLLEGE:: GUDIVADA

(An Autonomous college under the jurisdiction of Krishna University, Machilipatnam)

Department of statistics

Add on course-I (2022-23)

DESCRIPTIVE STATISTICS

Objectives: The main objective of this course is to introduce descriptive statistics. By the end of course students are expected to be able

- To compute various measures of central tendency, dispersion, skewness and kurtosis.

Unit-I (10hrs)

Measures of central tendency- dispersions.

Unit-II (10hrs)

Central and non-central moments-importance-inter relations-shepperds corrections for grouped data.

Unit-III (10hrs)

Measures of skewness and kurtosis: Karlperson's - Bowley"s formula- kurtosis based on moments-simple problems and applications.

Text Books:

1. V.K.Kapoor and S.C.Gupta: Fundamentals of MathematicalStatistics,SultanChand &Sons, NewDelhi.
2. BA/BSc I year statistics - descriptive statistics, probability distribution - Telugu Academy - Dr M.Jaganmohan Rao,Dr N.Srinivasa Rao, Dr P.Tirupathi Rao, Smt.D.Vijayalakshmi.

Reference books:

1. Goon AM, Gupta MK, Das Gupta B : Fundamentals of Statistics , Vol-I, the World Press Pvt.Ltd.,Kolakota.
2. Hoel P.G: Introduction to mathematical statistics, Asia Publishinghouse.
3. M. JaganMohan Rao and Papa Rao: A Text book of StatisticsPaper-I.

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Department of statistics
Add on course
DESCRIPTIVE STATISTICS (2022-2023)

Name of The student:
Name of the programme:
Time:1.30 hours **Max Marks:50** **Pass Mark:25**

Answer ALL the questions **25x2=50 marks**

1. Arithmetic Mean is equal to _____

a) Sum of values of observations / No: of observations b) Half of values of observations x No: of observations

c) Sum of values of observations + No: of observations d) Sum of values of observations % No: of observations

2. $\bar{X}$ **=_____**

a) $(x_1 + x_2 + x_3 + \ldots\ldots\ldots\ldots + x_n) \div n$ b) $(x_1 - x_2 - x_3 - \ldots\ldots\ldots\ldots - x_n) \div n$

c) $(x_1 * x_2 * x_3 * \ldots\ldots\ldots\ldots * x_n) \div n$ d) None

3.To calculate the median, all the items of a series have to be arranged in an

(a)Descending order (b) Ascending order **(c) Ascending or descending order** (d)None of the above

4. What is the mean of the following numbers: 23, 45, 87, 40, 50?

(a) 49 (b) 34 (c) 56 (d) None of the above

5. Which is not represented by graphical

a) Mean b) Median c) Mode d) Geometric mean

6.What is the median?

a) Difference between higher half and lower half of the data set
b) Mean of the highest and lowest number in a data sample
c) Value separating higher half from the lower half of a data sample
d) Difference between the highest and lowest number.

7. Median can be calculated from _____

a) Individual Series b) Discrete Series c) Continuous Series **d) All of the above**

8. What is the formula for the median of Grouped data?

a) $\text{Median} = L + [(n/2 - cf) / f] * h$ b) $\text{Median} = L + [(n/2 + cf) / f] * h$

c) $\text{Median} = L + [(n/2 - cf) / f] + h$ d) $\text{Median} = L * [(n/2 - cf) / f] * h$

9. What is the Median of the following data sample?

2, 7, 4, 8, 9, 10, 6, 12, 13

a) 8 b) 11 c) 9 d) 10

10. Position of median is equal to _____ item.

a) $(N+1)/2$ b) $(N-1)/2$ c) $(N*(N+1))/2$ d) None

11. Mode refers to the value within a series that occurs _____ number of times.

a) Maximum_ (b) Minimum (c) Zero (d) Infinite

12. Which of the following diagrams is used to find the value of mode graphically?

(a). Pie chart (b) Bar graph (c) Histogram (d) None of the above

13. Bimodal formula is _____

a) 3 Median % 2 Mean b) 3 Median ÷ 2 Mean c) 3 Median x 2 Mean **d) 3 Median – 2 Mean**

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14. Mode of 1, 2 ,3, 4, 4, 5 is _____

a) 4 b) 5 c) 2 d) 1

15. For mode in continuous series, class intervals _____ be equal and series _____ be exclusive.

a) Should, can b) Can, should **c) Should, should** d) Can, can

16. First moment about the origin is:

a) Mean b) Zero c) Variance d) None of these

17.The second central moment is:

a) zero b) mean c) standard deviation d) variance

18. Sheppard's correction in moments is required for

a) Sampling errors b) Grouping errors c) Classification errors d) All of the above

19. For a positively skewed distribution, mean is always:

a) Less than the median b) Less than the mode c) Greater than the mode d) Difficult to tell

20.. Coefficient of kurtosis β_2= ----------where μ_2 and μ_4 are the second and fourth moments about mean

(a). μ_2/μ_4^2 (b). μ_4^2/μ_2 (c) μ_4/μ_2^2 (d). μ_2^2/μ_4

21. A distribution with a kurtosis less than 3 is known as

a). Platykurtic (b). Leptokurtic (c).. Mesokurtic (d). Hyperkurtic

22. What is the kurtosis of a normal distribution

(a). 0 (b).. 1 (c). 2 (d). 3

23 What is the skewness of a normal distribution

(a). 0 (b). 1 (c). -1 (d). 2

24. What is the formula for measuring skewness in a dataset

(a). Mean-Median (b). Mode-Meadian

(c). 3(Mean-Median)/standard deviation (d). (Mean-Mode)/ standard deviation

25. Bowley's coefficient of skewness lies between

(a).0 and 1 (b).-1 and 1 (c). -1 and 0 (d).-2 and 2

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Department of stastistics

Add on course-I (2022-23)

DESCRIPTIVE STATISTICS

Scheme of Valuation

(1). a (2). c (3).c (4).a (5). c (6). b (7). c (8). a (9). c

(10). d (11). a (12). b (13). b (14). d (15). b (16).a (17). d

(18). a (19). a (20). a (21).d (22).a (23).c (24). c (25).b

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Add on course Award List-2022-23

Subject: Descriptive Statistics **Max.Marks:50**

Date of Exam: 19-12-2022 **Name of the Lecturer Valued: K.Aparna**

S.NO	Regd.NO	Roll.NO	Student Name	Marks In Fig	Marks In words
1	21105401	1	A.Sai	40	Fourty four
2	21105408	7	D.Kalyan	36	Thirty six
3	21105411	8	G.Simha chalam	38	Thirty eight
4	21105418	16	M.Nikitha	50	Fifty
5	21105423	14	M.Chinna	38	Thirty eight
6	21105428	33	N.Raju	40	Fourty
7	21105436	27	S.Sunneta	44	Fourty four
8	21105439	11	G.Sireesha	40	Fourty
9	21105441	26	V.Sunneth kumar	42	Fourty two
10	21105443	34	V.Eswara sai	36	Thirty six
11	21105501	502	A.Ramya	46	Fourty six
12	21105503	550	A.Tejasri	44	Fourty four
13	21105507	513	D.Vijaya santhi	42	Fourty two
14	21105512	508	E.Harika	42	Fourty two
15	21105517	517	G.Harika	44	Fourty four
16	21105522	565	J.Hari	40	Fourty
17	21105528	503	K.Sandhya	42	Fourty two
18	21105541	543	P.Tarak	40	Fourty
19	21105544	529	P.Santosh	38	Thirty eight
20	21105550	537	R.Ballu	42	Fourty two
21	21105551	544	S.Jhanavi	44	Fourty four
22	21105554	548	S.Karthik	40	Fourty
23	21105562	535	V.Vamsi	38	Thirty eight
24	211055	534	V.Siva nandini	40	Fourty
25	211055	531	U.Vasantha	40	Fourty

Head of the Department

Coordinator

Principal

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UG DEPARTMENT OF STATISTICS

ADD-ON-COURSE (2022-2023)

FEEDBACK FORM

1. Is the Programme interested to you? (Yes / No)

2. Have you attended all the session? (Yes / No)

3. Is the content of the Programme is adequate? (Yes / No)

4. Has the teacher covered the entire syllabus? (Yes / No)

5. Is the number of hours adequate? (Yes / No)

6. Do you have any suggestions for enhancing or reducing the number of weeks designed for the Programme? (Yes / No)

7. On the whole is the programme useful in terms of enriching your knowledge? (Yes / No)

8. Do you have any suggestions on the programme? (Yes / No)

P. Tarak.
Signature of the Student

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P. Santhosh.
Signature of the Student

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FOR MORE ADDITIONAL INFO.

HEI WEBSITE LINK

https://anrcollege.edu/images/pdf/naac/1.3.2.pdf