INTERNATIONAL CONFERENCE ON EXPERT CLOUDS AND APPLICATIONS (ICOECA 2021)

Conference Dates: 18-19, February 2021

Organized by: GITAM School of Technology, Bangalore

SCHEDULE FOR ACCEPTED AND REGISTERED PAPERS

18th February 2021

9.30 am-10.30 am-Inauguration & Keynote Address 10.15am-10.45 am-Tea Break

10.<mark>30a</mark>m-12.30 pm-Session I

12.30pm-1.30 pm-Lunch Break

01.30pm-03.30 pm-Session II

3.30pm - 3.45pm - Session Break

03.30pm-05.00 pm-Session III

4.00pm-5.00pm - Valedictry Function

Presentation Time: 15 Minutes

Presentation Format: Power Point Presentation (PPT

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Infected Inflation And Symptoms Without The Impact Of Covid 19 With Ahp Calculation Method

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Abstract. Indonesia is one of the corona virus-positive countries (Covid-19). The first case that occurred in the country happened to two residents of Depok, West Java. This was announced by President Joko Widodo directly at the Presidential Palace. Since it broke out in December 2019 until now, a new type of coronavirus has made people worry about coughing or sneezing. Imagine, the virus that causes Covid-19 is transmitted through droplets or droplets of particles from coughing, sneezing, or when talking. The discussion in this paper is to design a piece of information that will facilitate the decision of the Analytical Hierarchy Process (AHP) to see the development of infected viruses and OTG (People without Symptoms). This study uses the Analytical Hierarchy Process (AHP) method is a method of decision making by making pairwise comparisons between the selection criteria and also pairwise comparisons between available choices. So that the data displayed will be following the information will give the medical staff information according to the needs, interactive and more efficient.

Keywords: Analytical Hierarchy Process, Decision Support Systems, webbased application, Covid-19, information systems, modeling systems.

1 Introduction

In the early 2020s, the world was shocked by the coronavirus outbreak (Covid-19)





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which infected almost all countries in the world. WHO since January 2020 has announced the world into emergency related to this global virus[1][2]. This is an extraordinary phenomenon that occurred on earth in the 21st century, the scale of which might be likened to World War II because large-scale events (international sporting events for example) were almost entirely postponed or even canceled[3]. This condition only happened during the world war, there was never any other situation that could cancel these events[4]. As of March 19, 2020, 214,894 people were infected with the coronavirus, 8,732 people died and 83,313 people were cured [5].

Older populations put the health and social systems in crisis because they are unable to overcome problems that the younger population can overcome. Only an initial assessment of this "fragility" in the community and long-term care can prevent this systemic crisis and, as a consequence, a new and modern health care system is mandatory[6]. Also, it is important to plan the organization of new hospitals with the assumption that a large proportion of the population and expertise are to treat and manage the percentage of seriously ill parents [7]. Specifically in Indonesia, the Government has issued a disaster emergency from 29 February 2020 to 29 May 2020 related to this pandemic virus with an amount of time 91 days [8]. Steps have been taken by the government to solve this extraordinary case, one of which is to socialize the Social Distancing movement. This concept explains that to be able to reduce or even break the Covid-19 infection chain, one must maintain a safe distance from other humans at least 2 meters, and not make direct contact with others, avoiding mass encounters[9]. Covid-19 data management, specifically hazardous and infectious data without information that is important for information in health. Information submission will be more efficient with a visual model that is interesting to look at[10].

2 **Materials and Methods**

AHP (Analytic Hierarchy Process) is a general theory of measurement used to find the ratio of scales, both from discrete and continuous pair comparisons. AHP decomposes complex multi-factor or multi-criteria problems into a hierarchy. The hierarchy is determined as a representation of a multi-level multilevel complex where the first level is the goal, followed by the levels of factors, criteria, subcriteria, and so on down to the last level of alternatives. With hierarchy.

A complex problem can be broken down into groups which are then formed into a hierarchy so that the conflict will appear more structured and systematic [11]. As seen in figure 1 the process of AHP steps started with the arrangement of the hierarchy form which defines the goal of the AHP, criteria, and if possible sub-criteria and alternatives [12]. Moreover, The second step shows as the step to assess the criteria as been selected in the previous step including the



sub-criteria and including the assessment of the alternatives[13]. The third step is to find the determination of the AHP as the decision-making process as refer to the goal of the AHP method is applied. Lastly, the fourth step shows the logical consistency, wherein the form of logic can be easy to understand by the user when making their decision[14].

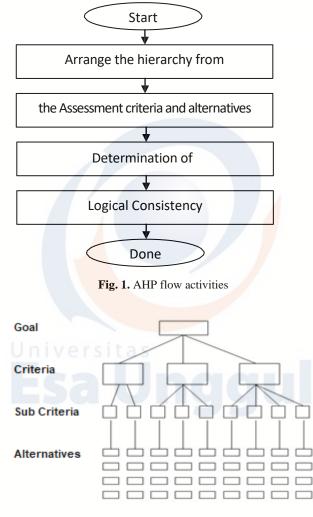


Fig. 2. AHP Hierarchy structure

Arranging the hierarchy from the debates resolved The issues being discussed are broken down into a no-doubt, namely proposals and alternatives, then arranged into a hierarchical structure like the Figure 2 below[15]. It is as mentioned before



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where start with the goal which shows the meaning of applying this AHP for decision support system as a support decision-making process[16]. Moreover, the criteria are set conditions that apply as part of the decision-making process and as an optional of decision making which is shown as a goal of the decision-making process. The sub-criteria is the deepening of criteria to make the criteria more detailed and comprehensive as part detail of the decision-making result. Finally, the alternatives as to the selection of sub-criteria as a detail of decision-making result[17].

Table 1 shows the five criteria which are as confirmation if someone has been infected with Covid19 with criteria such as fever, dry cough, difficulty breathing or shortness of breath, and the rapid test results. Including for each criterion has criteria weight where C1 has 10%, C2 has 20%, C3 has 30% and C4 has 40% respectively. The composition 10%+20%+30%+40%=100% has a total of 100% and the composition of 10%, 20%, 30%, and 40% based on user requirement process which was applied to expert with the interview, Forum Discussion Group, and observation. Moreover, table 2 shows the 9 weighting score as the normalized range of criteria which apply to the criteria with start weight is 1 as important till weight is 9 for absolute importance of.

Table 1. Criteria information

Criteria	Information	Criteria Weight
C1	Fever	10%
C2	Dry Cough	20%
C3	Difficulty breath <mark>ing or s</mark> hortness of breath	30%
C4	Rapid test results	40%

Table 2. Weighting score

Type of Weighting	Weight
Absolute importance of	9
Approaching absolute from	8
Very important of	7
Approaching is very important from	6
More important than	5
Approaching is more important than	4
A little more important than	3
Approaching a little more important than	2
As important as	1

3 Discussion

Table 3 shows the Pairwise Comparison Matrix (PCM) for criteria C1 to C4 as seen in table 1. This PCM was created based on column criteria weight in table 1 with having criteria weight 10% for C1, 20% for C2, 30% for C3, and 40% for C4.

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The PCM in the table was applied using equation (1) where the percentage of row position criteria in table 3 was divided with a percentage of column position criteria in table 3. For example for the first row in table 1 for criteria has score C1/C1=10%/10%=1, C1/C2=10%/20%=0.50, C1/C3=10%/30%=0.33 and C1/C4=10%/40%=0.25 whereas seen at the first row in table 3 has score 1.00, 0.50, 0.33 and 0.25. The next rows were applied with equation (1) as well and the result of the implementation of equation (1) is seen in table 3. The last row in table 3 is the total for each column which was applied using equation (2), for example for the 1st column has a total of 10.00 as adding a score of 1.00 + 2.00 + 3.00 + 4.00 = 10.00.

 $PCM = row_criteria / col_criteria (1)$ Total row = sum(column)(2)

Table 3. Pairwise comparison matrix (PCM) for criteria

Criteria	C1	C2	C3	C4
C1	1.00	0.50	0.33	0.25
C2	2.00	1.00	0.67	0.50
C3	3.00	1.50	1.00	0.75
C4	4.00	2.00	1.33	1.00
Total	10.00	5.00	3.33	2.50

After the PCM process then we need to normalized the PCM and recognized as Normalization of Pairwise Comparison (NPCM) which was carried on using equation (2) each score in table 3 was divided each each total column score.

NPCM = score /Total_column	(3)
Criteria weight =Avg(sum_row_score)	(4)
$EV = (X1Xn)^{(1/n)}$	(5)
Criteria weight = $EV * sum(EV)$	(6)
Weighted sum value= sum(row score)	(7)
Ratio = Weighted sum value/ Criteria weight	(8)
Where :	
X1Xn = multiplication all score in the same row	
n = number of criteria	

Table 4 shows the implementation of equation (3) upon each score in table 3, where the composition for each column is the same 0.10, 0.20, 0.30, and 0.40. Meanwhile, the last row in column 4 was executed using equation (2) where all column score is summarized and they have similar score - 1 (0.10+0.20+0.30+0.40=1) and score 1 proof as to the correct result.

For the Criteria weights as for confirmation ranking for each criterion were applied using either equation (4) or equation (6). The column Criteria weight (eq 4) in table 4 shows the result of applying equation (4) as average per row and the column Criteria weight (eq 6) in table 4 shows the result of applying equation (6) where EV=Eigen Value to the power ($^$) with 1/n, where n=number of criteria and in this paper n=4, since there are 4 criteria such as C1, C2, C3, and C4. The result





Criteria **C1** C2 C3 C4 Criteria FV Criteria Ratio Weight (Eigen Weight (eq 4) Value) (eq 6) C1 0.10 0.10 0.10 0.10 0.10 0.452 0.10 4.00 C2 0.20 0.20 0.20 0.20 0.20 0.904 0.20 4.00 C3 0.30 0.30 0.30 0.30 0.30 1.355 0.30 4.00 C4 0.40 0.40 0.40 0.40 0.40 1.807 0.40 4.00 1.00 Total 1.00 1.00 1.00 1.00 4.518 1.00 4.00

of column Criteria weight (eq 4) and column Criteria weight (eq 6) are the same and both have a total of 1 as summarization using equation (2) where

 Table 4. Normalized Pairwise comparison matrix (NPCM) for criteria

Meanwhile, column EV (Eigen Value) in table 4 was executed using equation (5) which shows the multiplication of all scores in table 3 in the same row and to the power(^) by 1/n, where n=number of criteria where in this paper n=4, since there are 4 criteria such as C1, C2, C3, and C4. The implementation of equation (5) upon all scores in table 3 has resulted in column EV (Eigen Value) in table 4 and has score 0.452, 0.904, 1.355, and 1.807 with a total = 4.518 where this total as summarized column EV (Eigen Value) using equation (2). For example in the first row of table 4 has an EV (Eigen Value) score of 0.452 as a result of the implementation of equation (5) (X1..Xn) ^ (1/n) where X1..Xn were come from the first row in table 3 and the result is $(1.00*0.5*0.33*0.25)^{1/4} = 0.042 * 0.250 = 0.452$.

Moreover, the column Ratio in table 4 was executed using equation (8) Ratio = Weighted sum value/ Criteria weight, where weighted sum value using equation (7) and Criteria weight using equation (5) or equation (6). All the ratio in column ration in table 4 has similar score since all the criteria column C1 to C4 has similar scores. For example, the first row in column ratio has a score of 4 where having weighted sum value with equation (7) has score summarization of 1^{st} row (0.10+0.10+0.10)=0.40 and divided with criteria weight either in column Criteria weight (eq 4) or column Criteria weight (eq 6) as 0.10, then 0.40/0.10 = 4.00. As usual, the total in column ratio has a summarization of all column content using equation (2).



4 Database and user interface print screen

For the implementation, this AHP implementation was applied in web-based using Personal Home Pages (PHP) as server programming and database MySQL, and figure 3 shows the logical record structure for the implementation which using four tables such as Nilai, criteria, alternativ, and rank. Table Nilai has 2 attributes such as Nilai_id and ket_Nilai as a definition for scoring purposes. Table criteria have attributes such as kriteria_id and nam_krit where attribute kriteria_id refers



0.10+0.20+0.30+0.40 = 1.

to criteria attributes in this paper such as C1, C2, C3, and C4 as seen in table 1 including the information for each criteria as attribute nam_krit. Table Alternativ has 2 attributes as Alt_id and Nam_alt which refer to alt_id as patient identification and Nam_alt as the name of the patient. The arrow which moves shows that the primary key will move to the next table as a foreign key, where this foreign has function to relate between the tables.

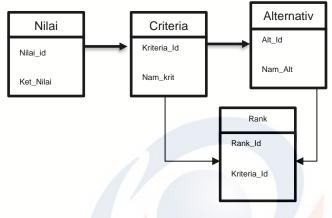
Fig. 3. Logical Record Structure

Fig. 4. User Interface login for the AHP implementation

Figure 4 shows the User Interface (UI) for the login menu, where at the first each user should register their data such as username, password, name, gender, address, phone number, email, etc. However, in this case for prototyping purposes, we use the same login and password. The system will check the table which records the username and password and if they are approved then the user can enter the main



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menu of the application. Meanwhile, figure 5 shows the criteria where the user can entry, update dan delete the criteria including the weight criteria for each criteria. The content of table 1 was entered in the application as shown in this application criteria C1, C2, C3, and C4 have weight criteria such as 0.10, 0.20, 0.30, and 0.40 respectively.

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Fig. 5. User Interface data criteria for the AHP implementation

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Fig. 6. User Interface Data alternative for the AHP implementation

Figure 6 shows the data alternative as the alternative which applies each person who becomes the alternative with data such NIK or (Nomor Induk Kependudukan) in Bahasa and this is Indonesian national citizen numbering,



name, place, date of birth, and gender. The attribute ID_alternative will be created automatically orderly when there are new alternative data. In this alternative data, the same data criteria in figure 5 then the user can entry, update dan delete the alternative data. Furthermore, figure 7 shows the result of AHP running which shows the ranking for each alternative inputted process with criteria and the equations above.

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Fig. 7. User Interface Menu ranking result for the AHP implementation

5 Conclusion

Using AHP to help people and decision-makers to understand the process of decision-making will help the community to understand the ranking of covid19 patients in terms of 4 data criteria such as fever, dry cough, difficulty breathing or shortness of breath, and rapid test results. This AHP was implemented on web-based using server programmings such as PHP and Mysql database.

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This is to certify that **Nizirwan Anwar** has presented a paper at the International Conference on Expert Clouds and Applications (ICOECA 2021) organized by the Department of Computer Science and Engineering, GITAM School of Technology, GITAM University, Bangalore, India on 18th and 19th February 2021

Title: Infected Inflation and Symptoms Without The Impact of Covid 19 with Ahp Calculation Method

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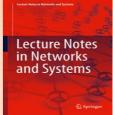
18th & 19th, February 2021

Organized by

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Esa Unggul



Session-I - Parallel Session-I

18th February 2021 | 10.30am-12.30 pm

TIMETITLE/AUTHOR NAME10.30 AM TOMINIMIZING ENERGY THROUGH TASK ALLOCATION USING10.45 AMRAO-2 ALGORITHM IN FOG ASSISTED CLOUD ENVIRONMENT LALBIHARI BARIK, SUDHANSU SHEKHAR PATRA, SHALINI KUMARI, ANMOL PANDA, RABINDRA KUMAR BARIK10.45 AM TOSENSITIVITY CONTEXT-AWARE PRIVACY-PRESERVING DISEASE PREDICTION A N RAMYA SHREE, P KIRAN, MOHITH N, KAVYA M K11.00 AM TODESIGNING A SMART SPEAKING SYSTEM FOR VOICELESS COMMUNITY11.15 AMSARAVANAN ALAGARSAMY, R.RAJA SUBRAMANIAN, PRAVEEN KUMAR BOBBA, PRADEEP JONNADULA, SANATH REDDY DEVARAPALLI11.15ANNS FOR AUTOMATIC SPEECH RECOGNITION - A SURVEY BHUVANESHWARI JOLAD, DR. RAJASHRI KHANAI AM11.30 AM TO 12.00 PMCYBER SECURITY IN THE AGE OF THE INTERNET OF THINGS: AN ASSESSMENT OF THE USERS' PRIVACY AND DATA SECURITY SRIRANG K JHA, S SANJAY KUMAR11.45 AM TO 12.00 PM TO 12.15 PM TOAPPLICATION OF ARTIFICIAL INTELLIGENCE IN NEW PRODUCT DEVELOPMENT: INNOVATIVE CASES OF CROWDSOURCING SRIRANG K JHA, SANCHITA BANSAL12.15 PM TO 12.30 PMTHE EFFECT OF THE TOPLOLGY ADAPTATION ON SEARCH PERFORMANCE IN OVERLAY NETWORK MUNTASIR AL-ASFOOR, MOHAMMED HAMZAH ABED		
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12.30 PM PERFORMANCE IN OVERLAY NETWORK		SKIKAING N JITA, SAINCHI I A BAINSAL
	12.15 PM TO	THE EFFECT OF THE TOPLOLGY ADAPTATION ON SEARCH
MUNTASIR AL-ASFOOR, MOHAMMED HAMZAH ABED	12.30 PM	PERFORMANCE IN OVERLAY NETWORK
		MUNTASIR AL-ASFOOR, MOHAMMED HAMZAH ABED

Sess<mark>io</mark>n-I - Parallel Sessi<mark>o</mark>n-II

18th February 2021 | | 10.00am-12.30 pm

TIME	TITLE/AUTHOR NAME
10.30 AM TO	CONVERGENCE OF ARTIFICIAL INTELLIGENCE IN IOT NETWORK
10.45 AM	FOR THE SMART CITY – WASTE MANAGEMENT SYSTEM
	NASREEN BANU MOHAMED ISHAQUE AND DR.S. METILDA
	FLORENCE
10.45 AM TO	ENERGY AWARE LOAD BALANCING ALGORITHM FOR
11.00 AM	UPGRADED EFFECTIVENESS IN GREEN CLOUD COMPUTING
	MRS.V.MALATHI, DR.V.KAVITHA
11.00 AM TO	REVIEW ON HEALTH AND PRODUCTIVITY ANALYSIS IN SOIL
11.15 AM	MOISTURE PARAMETERS
	M.MEENAKSHI, R.NARESH
11.15	SOFT COMPUTING BASED OPTIMIZATION OF PH CONTROL
AM TO 11.30	SYSTEM OF SUGAR MILL
AM	SANDEEP KUMAR SUNORI, PUSHPA BHAKUNI NEGI, AMIT
	MITTAL, BHAWANA, PRATUL GOYAL, PRADEEP KUMAR JUNEJA
11.30 AM TO	A COMPARATIVE ANALYSIS OF VARIOUS DATA MINING
11.45 AM	TECHNIQUES TO PREDICT HEART DISEASE
	KEERTI SHRIVASTAVA, DR. VARSHA JOTWANI
11.45 AM TO	CLUSTER BASED MULTI-CONTEXT TRUST AWARE ROUTING
12.00 PM	FORINTERNET OF THINGS
	SOWMYA GALI, VENKATRAM N
12.00 PM TO	PERFORMANCE COMPARISON OF VARIOUS CONTROLLERS IN
12.15 PM	DIFFERENT SDN TOPOLOGIES
	KEERTHANA B, MAMATHA BALACHANDRA, HARISHCHANDRA
	HEBBAR AND BALACHANDRA MUNIYAL
12.15 PM TO	PRE-PROCESSING OF DATASETS USING SEQUENTIAL AND
12.30 PM	PARALLEL APPROACH: A COMPARISON
	SHWETHA RAI, GEETHA M., AND PREETHAM KUMAR

Session-I - Parallel Session-III 18th Feb<mark>ruary</mark> 2021 | 10.00am-12.30 pm

TIME	
TIME	TITLE/AUTHOR NAME
10.30 AM TO	COPY MOVE FORGERY DETECTION BY USING INTEGRATION OF
10.45 AM	SLIC AND SIFT
	KAVITA RATHI, PARVINDER SINGH
10.45 AM TO	NONLINEAR AUTOREGRESSIVE EXOGENOUS ANN ALGORITHM
11.00 AM	BASED PREDICTING OF COVID-19 PANDEMIC IN TAMIL NADU
	DR. M. VENKATESHKUMAR, DR. SREEDEVI A. G, DR. LAKSHMAN S
	A, K.R. YOGESHKUMAR
11.00 AM TO	A SECURE KEY AGREEMENT FRAMEWORK FOR CLOUD
11.15 AM	COMPUTING USING ECC
	ADESH KUMARI, M. YAHYA ABBASI AND MANSAF ALAM
11.15	WEB-BASED APPLICATION FOR FREELANCE TAILOR
AM TO 11.30	DIANA TERESIA SPITS WARNARS, MUHAMMAD LUTFAN
AM	NUGRAHA, HARCO LESLIE <mark>H</mark> ENDRIC SPITS WARNARS
11.30 AM TO	IMAGE RETRIEVAL USING LOCAL MAJORITY INTENSITY
11.45 AM	PATTERNS
	SURESH KUMAR KANAPARTHI, U.S.N.RAJU
11.45 AM TO	A COMPREHENSIVE SURVEY OF NOMA-BASED COOPERATIVE
12.00 PM	COMMUNICATION STUDIES FOR 5G IMPLEMENTATION
	MARIO LIGWA AND VIPIN BALYAN
12.00 PM TO	ANALYTICAL STUDY ON LOAD BALANCING ALGORITHMS IN
12.15 PM	CLOUD COMPUTING
	MANISHA PAI, S.RAJARAJESWARI, AKARSHA D P, AND ASHWINI
	S D
12.15 PM TO	SMART DRIVING ASSISTANCE USING ARDUINO AND PROTEUS
12.30 PM	DESIGN TOOL
	SHWETHA N, NIRANJAN L , CHIDANANDAN V AND SANGEETHA
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Session-II || Parallel Session-I 18th February 2021|| 1.30am-3.30 pm

TIME	TITLE/AUTHOR NAME
1.30 PM TO 1.45 PM	FLANKER TASK-BASED VHDR DATASET ANALYSIS FOR ERROR RATE PREDICTION
	RAJESH KANNAN MEGALINGAM, SANKARDAS KARIPARAMBIL SUDHEESH, VAMSY VIVEK GEDELA,
1.45 PM TO	INTEGRATING UNIVERSITY COMPUTING LABS WITH AWS FOR
2.00 PM	BETTER RESOURCE UTILIZATION
	KAILASH CHANDRA BANDHU, ASHOK BHANSALI
2.00 PM TO	IOT BASED CONTROL OF DOSA MAKING ROBOT
2.15 PM	RAJESH KANNAN MEGALINGAM, DASARI HEMA TEJA ANIRUDH
	BABU, GHALI SRIRAM , VENKA <mark>TA</mark> SAI YASHWANTH AVVARI
2.15 PM TO	CLASSIFICATION OF IDIOMATIC SENTENCES USING AWD- LSTM
2.30 PM	BRISKILAL J, SUBALALITHA C.N
2.30 PM TO	
2.45 PM	DEVELOPING AN IOT BASED DATA ANALYTICS SYSTEM FOR
	PREDICTING SOIL NUTRIENT DEGRADATION LEVEL
	G. NAJEEB AHMED, DR.S.KAMALAKKANNAN
2.45 PM TO	A SURVEY ON CLOUD RESOURCES ALLOCATION USING MULTI-
3.00 PM	AGENT SYSTEM
	FOUAD JOWDA, MUNTASIR AL ASFOOR
3.00 PM TO	IOT BASED SMART HELMET FOR RIDERS
3.15 PM	N. BHUVANESWARY, K. HIMABINDU, M.VASUNDHARA, J.
	CHAITHANYA , M.VENKATABHANU
3.15 PM TO	COLLISION AVOIDANCE IN VECHICLES USING ULTRASONIC
3.30 PM	SENSOR
	N .BHUVANESHWARY, V.JAYAPRIYA, V.MOUNIKA,
	S.PRAVALLIKA

Session-II || Parallel Session-II 18th Fe<mark>brua</mark>ry 2021 || 1.30am-3.30 pm

TIME	TITLE/AUTHOR NAME
1.30 PM TO	BLOCKCHAIN TECHNOLOGY AND ACADEMIC CERTIFICATE
1.45 PM	AUTHENTICITY-REVIEW
	KUMUTHA.K, DR.S.JAYALAKSHMI
1.45 PM TO	WORD SIGNIFICANCE ANALYSIS IN DOCUMENTS FOR
2.00 PM	INFORMATION RETRIEVAL BY LSA AND TF-IDF USING
	KUBEFLOW
	ASEEM PATIL
2.00 PM TO	A DETAILED SURVEY ON DEEP LEARNING TECHNIQUES FOR
2.15 PM	REAL TIME IMAGE CLASSIFICATION, RECOGNITION AND
	ANALYSIS
	K.KISHORE KUMAR, H.VENKATESWERAREDDY
2.15 PM TO	POLE LINE FAULT DETECTOR WITH SOPHISTICATED MOBILE
2.30 PM	APPLICATION
	K.N. THIRUKKURALKANI, ABAR <mark>N</mark> A K, MONISHA M, NIVEDA A
2.30 PM TO	LEARNING OF ADVANCED TELECOMMUNICATION COMPUTING
2.45 PM	ARCHITECTURE BASED FEMTO GATEWAY FRAMEWORK
	P. SUDARSANAM, DWARAKANATHA GV, ANAND R, HECATE
	SHAH, JAYASHREE C S
2.45 PM TO	INFECTED INFLATION AND SYMPTOMS WITHOUT THE IMPACT
3.00 PM	OF COVID 19 WITH AHP CALCULATION METHOD
	NIZIRWAN ANWAR, AHMAD HOLIDIN, GALANG ANDIKA,
	HARCO LESLIE HENDRIC SPITS WARNARS
3.00 PM TO	SMARTPHONE APPLICATION USING FINTECH IN JAKARTA
3.15 PM	TRANSPORTATION FOR SHOPPING IN THE MARKETPLACE
	DIANA TERESIA SPITS WARNARS, ERSA ANDHINI MARDIKA,
	ADRIAN RANDY PRATAMA, M. NAUFAL MUA'AZI, ERICK
	ADRIAN RANDY PRATAMA, HARCO LESLIE HENDRIC SPITS
	WARNARS
3.15 PM TO	EXPERT SYSTEM FOR DETERMINING WELDING WIRE
3.30 PM	SPECIFICATION USING NAÏVE BAYES CLASSIFIER
	DIDIN SILAHUDIN, LEONEL LESLIE HENY SPITS WARNARS,
4	HARCO LESLIE HENDRIC SPITS WARNARS

Session-II || Parallel Session-III 18th Fe<mark>brua</mark>ry 2021 || 1.30am-3.30 pm

TITLE/AUTHOR NAME
Universitas Universitas
FOG COMPUTING - CHARACTERISTICS, CHALLENGES, JOB
SCHEDULING SURVEY
NAGASHRI K, RAJARAJESWARI S, IQRA MARYAM IMRAN, NANDA
DEVI SHETTY
A REVIEW ON TECHNIQUES OF RADIATION DOSE REDUCTION IN
RADIOGRAPHY
MS SHAMA B N, DR SAVITHA H M
INFORMATION EXTRACTION FROM RESUME AND
JOBDESCRIPTION BY IMPLEMENTING SEGMENTATION
ANDCUSTOM NER TAGGING
SHUSHANTA PUDASAINI, DR. SUBARNA SHAKYA, SAGAR
LAMICHHANE, SAJJAN ADHIKARI, AAKASH TAMANG, SUJAN
ADHIKARI
SCORING OF RESUME AND JOB DESCRIPTION USING WORD2VEC
& MAT <mark>CH</mark> ING THEM USING GALE SHAPLEY ALGORITHM
SHUSHANTA PUDASAINI, DR. SUBARNA SHAKYA, SAGAR
LAMICHHANE, SAJJAN ADHIKARI, AAKASH TAMANG, SUJAN
ADHIKAR
DETECTING IMAGE SIMILARITY USING SIFT
KURRA HIMA SRI, GUTTIKONDA TULASI MANASA, GUNTAKA
GREESHMANTH REDDY, SHAHANA BANO, VEMPATI BISWAS
TRINADH

Session-III - Parallel Session - I 18th February 2021 | 3.45pm-5.00 pm

TIME	TITLE/AUTHOR NAME
3.45 PM TO	PRIVACY CHALLENGES AND ENHANCED PROTECTION IN
4.00 PM	BLOCKCHAIN USING ERASABLE LEDGER MECHANISM
	MOHIDEEN ABDULKADER M, DR. S. GANESH KUMAR
4.00 PM TO	DATA PRIVACY AND SECURITY ISSUES IN HR ANALYTICS:
4.15 PM	CHALLENGES AND THE ROAD AHEAD
	SHWETA JHA
4.15 PM TO	NARROW BAND INTERNET OF THİNGS AS FUTURE SHORT RANGE
4.30 PM	COMMUNICATION TOOL
	T.SENTHIL, P.C. <mark>VI</mark> JAY GANESH
4.30 PM TO	LIGHTWEIGHT LOGIC OBFUSCATION IN COMBINATIONAL CIRCUITS
4.45 PM	FOR IMPROVED SECURITY – AN ANALYSIS
	MOHANKUMAR N., JAYAKUMAR M. , NIRMALA DEVI M.
4.45 PM TO	ANALYSIS OF MACHINE LEARNING DATA SECURITY IN THE
5.00 PM	INTERNET OF THINGS (IOT) CIRCUMSTANCE
	DR.B.BARANI SUNDARAM, DR.AMIT PANDEY, MR.ASCHALEW
	TIRULO ABIKO, MR JANG VIJAYKUMAR, MR.UMANG RASTOGI,
	MR.ADOLA HAILE GENALE AND P.KARTHIKA

Session-III - Parallel Session - II 18th February 2021 | 3.45pm-5.00 pm

TIME	TITLE/AUTHOR NAME
3.45 PM TO	SECURED STUDENT PORTAL USING CLOUD
4.00 PM	SUNANDA NALAJALA, GOPALAM NAGASRI THANVI, DAMARLA
	KANTHI KIRAN, BHIMIREDDY PRANITHA, TUMMETI
	RACHANA,N.LAXMI
4.00 PM TO	ANALYSIS OF MARKET BEHAVIOR USING POPULAR DIGITAL DESIGN
4.15 PM	TECHNICAL INDICATORS AND NEURAL NETWORK
	JOSSY GEORGE, AKHIL M NAIR, YATHISH.S
4.15 PM TO	DİSTRİBUTED MULTİMODAL ASPECTİVE ON TOPİC MODEL USİNG
4.30 PM	SENTIMENT ANALYSIS FOR RECOGNITION OF PUBLIC HEALTH
	SURVEILLANCE
	YERRA <mark>GU</mark> DİPADU SUBBARAY <mark>U</mark> DU, ALLADİ SUBBARAYU <mark>DU</mark>
4.30 PM TO	TOWAR <mark>DS IN</mark> TELLIGENT AND RUSH FREE ERRANDS USING AN
4.45 PM	INTELLIGENT CHARIOT
	AVINASH N J, HRISHIKESH R PATKAR, SREENIDHI, SOWMYA BHAT,
	LINE RENITA PINTO AND RAMA MOORTHY HOUSE CAL
4.45 PM TO	NOMA BASED LPWA NETWORKS
5.00 PM	GUNJAN GUPTA AND ROBERT VAN ZYL