

St. Joseph College of Teacher Education for Women Ernakulam



CRITERION II

2.4.2 Students go through a set of activities as preparatory to school-based practice teaching and internship. Pre practice teaching/internship orientation/training encompasses certain significant skills and competencies

(Documentary evidence in support of selected activities)

Submitted to

National Assessment and Accreditation Council (NAAC)
3rd Cycle of Assessment



ST.JOSEPH COLLEGE OF TEACHER EDUCATION FOR WOMEN ERNAKULAM KOCHI-682035, KERALA

2.4.2: Content mapping/analysis

Sl.No	Documentary Evidence	Page No.
1	Orientation on content analysis and unit plan preparation	1-3
2	Attendance sheets	4-9
3	Documentary evidence on orientation on content analysis and unit plan preparation	10-22



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Orientation session on content analysis /content mapping

Name of the Event	Orientation Session on Content Analysis/ Content Mapping
	To help student teachers understand the importance of content analysis in teaching process
Objectives	 To provide required knowledge to student teachers regarding writing content analysis to help them excel professionally as prospective teachers
	3. To help student teachers enhance their knowledge and competence which would reflect excellence in both their academic and professional performance
Details of Event Coordinators	St. Joseph College of Teacher Education for Women, Ernakulam
Details of Resource Person	Teacher Educators St. Joseph College of Teacher Education for Women, Ernakulam
Date	2022-23(23/12/2022),2021-22(15/1/2021),2020-21(20/7/2020),2019- 2020(18/6/2019),2018-19(14/8/2018)
Beneficiaries	Student teachers
Event Venue	Classrooms
Event venue	St. Joseph College of Teacher Education for Women, Ernakulam

Programme Report

The institution organized an orientation session on Content Analysis/Content Mapping on 23rd December 2022 from 9AM to 11AM at the college. The purpose of the orientation session was to prepare the student teachers for practice teaching or internships and to enhance certain significant skills and competencies. The orientation session was organized for the B.Ed. student teachers. The session was carried out by teacher educators





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of respective departments at St. Joseph College of Teacher Education for Women, Ernakulam. The orientation session started exactly at 10 AM by the Teacher Educators of respective departments at St. Joseph College of Teacher Education for Women, Ernakulam. The session was organized for the student teachers to help them utilize the opportunity to enhance their knowledge and competence which would reflect excellence in both their academic and professional performance. During the session, the teacher educators introduced and explained about the preparation and importance of content analysis in the teaching process. Content analysis or content mapping is a teaching and assessment strategy. It makes it possible for teachers, coaches, and teacher educators to conceptualize the sequence, scope, and relational features of the subject being taught. Teachers can plan learning activities with the aid of content analysis. By organizing and arranging the instructional tasks, content mapping emphasizes specialized topic understanding. Content maps can be used in a variety of ways to support teachers' professional development, including as a tool for teachers to define the material to be taught in a unit of instruction; a teaching tool for imparting subjectmatter expertise, and an assessment tool for gauging preservice and in-service teachers' subject-matter expertise. The teacher educators gave a clear idea on the various factors to be considered while writing the content analysis to the student teachers. After the theoretical explanation, the student teachers were divided into four groups for discussion. Each group of students drafted content according to the prescribed steps of content analysis. After drafting, each group presented it in the classroom. Instant feedbacks were given by the teacher educator and peers, and necessary rectifications were made by the student teachers. The entire session winded up at 3 PM.

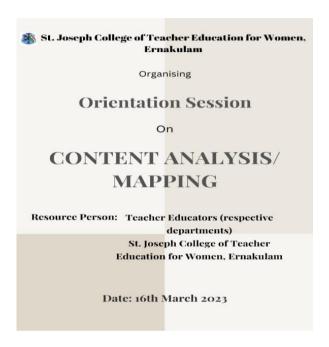
The orientation session was successful in instilling adequate knowledge and skills in drafting content analysis or content mapping. The entire orientation session was





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Informative and beneficial for the student teachers. It helped the student teachers understand the importance of content analysis in teaching process.



Event poster for the orientation session conducted on Content Analysis for B.Ed student teachers





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Recognised by NCTE

Class on Content Analysis
Date: 23/12/2022

Sl.No	Name of the student	SUBJECT	Signature	
1	AMALA ANTONY	EN	1.111	
2	ANNA ROSHNI VARGHESE	EN	No.	
3	DEEPA P S	EN	00	
4	DEVIKA VENUGOPAL	EN	Out	
5	DIVYA RADHAKRISHNAN	EN	DENTIL	
6	F.MERLINE RODRIGUES	EN	NA	
7	GURUMAHIMA M V	EN	Calioner	
8	HARSHA THERESA THOMAS	EN	March	
9	K A RABIA	EN	Absent	
10	LEATITIA JOSHY	EN	Roll Strike	
11	LINET JOHN	EN	Soft	
12	MEERA JOY	EN	May	
13	MERIZE BEN ALIAS	EN	Mozalda	
14	PRATIBHA S	EN	Danible	
15	SANDRA JOY	EN	Consortal	
16	SANTHI M S	EN	- Jackstay	
17	VEENA C V	EN	Daying A	





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Recognised by NCTE

Class on Content Analysis
Date: 23/12/2022

SLNo	Name of the student	SUBJECT	Signature
1	ALEENA ANTONY	ML	Albiton
2	ANASWARA. P.S	ML	A
3	ANCE BABY	ML	Sulp
4	ANISHA T	ML	Ast.
5	DIVYA RAJAN	ML	00
6	JAYALAKSIIMI JAYAKUMAR	ML	byalatahi.
7	JOBITHA JOY	ML	To wort
8	LIYA BABY	ML	bo
9	MARY AMALA R.	ML	Kat
10	NITHA ALFRED	ML	Nite.
11	PRANAYA P M	ML	Ole
12	RIYA SABU	ML	Rigo.
13	SHILPA K	ML	000
14	SNEHA M M	ML	Sonet
15	SREELAKSHMI K A	ML	aget
16	TEENA VINCENT	ML	Trans





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Recognised by NCTE

Class on Content Analysis
Date: 23/12/2022

SLNo	Name of the student	SUBJECT	Signature
1	AKSHAYA SHAJU	MT	del
2	ARYA K SURENDRAN	MT	As
3	ASWATHI B A	MT	As-th
4	FREEDA K F	MT	Samuel
5	JINU JOSEPH	MT	Turk
6	JOMOL BABU	MT	Absent
7	LEKSHMIPRIYA T S	MT	-half
8	MARIYA JESSNEELA	MT	Minister
9	MELISSA XAVIER	MT	Melino "
10	PARVATHY M	MT	Person
П	AGATHA CYRIAC	PS	Absent
12	RESHMA FRANCIS	MT	Dane.
13	ROSE MARIA JOHN	MT	TOP
14	ROSY ROY	MT	THE
15	SONA PAUL	MT	Par
16	SREEJA SREENIVASAN	MT	ductof.





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Class on Content Analysis Date: 23/12/2022

SI.No	Name of the student	SUBJECT	Signature	
1	AKHITHA SEBASTIAN	NS	Skedulln	
2	ALLAN FRANCIS	NS	THE SOL	
3	ANGITHA RAMACHANDRAN	NS	Manuf	
4	ANITA ABRAHAM	NS	Arika.	
5	CAREN GRACE	NS	Duonca_	
6	DILHANA HUSSAIN	NS	Those	
7	JESHMA DAS V S	NS	inhall	
8	KEERTHANA M S	NS	Lat	
9	MEERA SUSAN KURIAN	NS	(II)	
10	MERIN SHAJAN	NS	Ale	
11	POOJA MARIA JACOB	NS	RS.	
12	RANJIMA V	NS	2602	
13	SANIYA SIMON	NS	Hair	
14	SHALINI P S	NS	R	
15	SHIMNA K	NS	TO THE	
16	THERESA THANKACHAN	NS	ALLE	
17	VYSHNAVI N SARMA	NS	CA .	





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Class on Content Analysis Date: 23/12/2022

SLNo	Name of the student	SUBJECT	Signature
1	AGIYA COSMOS M C	PS	ASIS
2	AKSHAYA K S	PS	alexanta-
3	ALIDA SAIJU	PS	A Tab
4	ANILA SHAJU	PS	atrib
5	ANU P.THOMAS	PS	Arritogues
6	APARNA S	PS	de
7	FATHIMATHUZUHRA	PS	Jalliana
8	JESNA GEORGE	PS	(STEAK)
9	MARIYA DAS	PS	(ON) ME
10	NEETHUJA	PS	& Coethic TO
11	RAVEENA K RAMESH	PS	Absent
12	ROSHNA RAHIM	PS	pot
13	VANDANA S	PS	Duri
14	VINNY PAPPACHAN	PS	Vank





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Sl.No	Name of the student	SUBJECT	Signature
1	AKSHITHA BHASKARAN	SS	- there
2	ANAGHA T	SS	Tello.
3	ANCY ABRAHAM	SS	20
4	ANJALY A C	SS	Driely
5	ANUPAMA SREEDHAR	SS	-4-
6	CELENE PAUL	SS	AL.
7	DIVYAMOL P D	SS	Absent
8	DONA K JOSE	SS	Det.
9	KRISHNAPRIYA K	SS	Absent
10	MARY RINU K F	SS	Amylon.
11	MEREENA JOY	SS	Ahead
12	MINU JOY	SS	Mins
13	REGINA TEENA DCOSTA	SS	12 most >
14	RIYA DAVIS	SS	turel.
15	ROSE MARY PAUL	SS	Day
16	VARSHA K V	SS	16



UNII RAN

CHEMICAL MESSAGE FOR HOMEOSTASIS

The whole unit is about endocrine glands, hormonis and its functions. The chapter begins by saying about the indocrine system, along with nerwous system which controll and coordinates life activities. The activities controlled by the nervous system are very quick and short lived But the activities which take place gradually such as growth, reproduction etc, are controlled by the endocrine. System for this, glands located at various parts of the body releases chemical substances called hormones. They act as chemical messages to make necessary changes in the activity of cells. Then each undownie glands are introduced panoreas, they and, parathyroid gland, thymus, adrenal glands, perial gland, pituitary gland, hypothalamus are the endocurie glands and each of these endocure glands, their hormones and functions are explained in detail in this chapter. Also the unit explains about the chemical messages in other organisms and plant hormones.

CANCHER FOR Pancreas is the endowine gland, produces the hormones insulin and solucion and are involved in gluose metabolism are explained in detail in the supering of insulin on the inability of cells to use

are also mentioned in this unit.

Thyroid gland is the main indovine glant that controls the metabolic activities. The hormones secreted by thyroid gland are thyroxine calcitonin and parathornone and its functions are discribed in this unit. Also explained the disease and disorder caused by the variation in the production of hormones secreted by thyroid gland.

Thymus is another endovine gland produces thymosin. Also explained why this hoxmone is considered as youth hoxmones and its functions.

The hormones secreted by the advinal gland are explained in detail in this unit. Also explained the position and parts of the advinal gland, hormonal actions that overcome emergency isituations and hormones produced by the contex and medulla and their functions. Then described about pireal gland and its hormone melatonin.

Pituitary gland is an endocrine gland produces hormones asymmble for growth are explained and also the structure and position of the pituitary gland. Also described about the pecularities of each hormones secreted by pituitary gland in detail. The variation is the production fourth hormone affects growth also mentioned.

Overy and testis secrete sex hormones and are explained in this curit of Testoterone, estrogen and progesterone are the sex hormones. The

centre of production and function of these hormones are emplained in detail.

Hypothalamus, a part of the brain is an endourne gland too. It controls the pituitary gland and other endourne glands by producing a variety of scleasing and inhibitory hormones are emplained in detail. Also mention the relation between hypothalamus and pituitary gland.

The chemical substances secreted by cultain animals to the surroundings to facilitate communication are explained in detail. Also mentioned the examples for these chemical substances like muscone, evieton and bombykol.

Plants too have hormones for control and coordinate then life activities auruin, gibberlin, cytokinin, abscisie acid and ethylene are growth hormones and its functions are explained. Also discribed about the hormones makes the fruits seedless:

After completing the whole civit students can cinderstand about the various endocrine glands, their hormones, functions and disorders counted by the variation in the production of each hormones. Also should the chemical messages for communication in other organisms and hormones.

LEARNING OBJECTIVES . The pupil develops precess skills in: * observes the structure and position of pituitary gland. * classifies various hormones secreted by pituitary gland. * infine the note of varapriessin is maintenance of water level is blood * Communicates the functions of hormones produced by anterior lobe * unfires the role of calcitonin is negulation of calcum level in of pituitary. * observes the position and pecularities of advenal gland. * communicates the significance of hypothalamus in controlling other endocrire glands. Application: The pupil applies the knowledge in: * understands the functions of growth hormones. domain * guies season for the causes of cretinism * critically thinks about the sulwance of endocrine system in controlling and coordinating all activities in the body. * analysis the significance of artificial auxin in production seedles fruits * applies the knowledge of hosenones in Studying the maintenance of homeostaris of body activities. * understands the functions of melatonin

: The pupil develops positive attitude towards: Altitudinal * shares ideas on hormones secreted by adrenal gland and their domain functions. * develops positive attitude towards healthy lifestyle * justifies the role of glucagon and inculin is maintaining the blood glucase level. * develops curiosity to know more about plant hormones. * duelops positive attitude towards people suffering from gortre * takes decision to promote healthy living * Shows readiness to care and protect adults suffering from myroedema. : The pupil creates ideas about : Conativity * prepares charit on the position and structure of pituitary gland * designs poster about the importance of exercise to control diabetes * prepares a table showing the endocure glands and their Secretions * prepares on album showing the endovine systems of our body * makes a 3-2 model on parcreas. Creates a placard on the benefits of exercise.

SINO: Process skills	Learning activities and techniques	Druation	Evaluation and Achievement
I. kndo crine gland are ductless gland which is included in the human endocrine system it produces hormones that controls and coordinates all actuaties of the body.	Activity No: 1 Teacher starts the class by showing pictures to students about two people with height difference: Activity No: 2	40 minutes	Ability to undustand that endounce system is an organ system that controls and coordinates all activities in the bound

51 No:	Concepts / ideas/ Process skills	Established Continued to the Continued of	Dwiation	Evaluation and Achievement
2.	Panoreas is the endourine gland, produces the hormones insuling and glucagon and are univolved in glucax metabolism	Teacher initiates the class by discussing about digestion, energy production and how parvies plays a major role in this activity	40 minutes	Ability to understand about the undowned and the hormones secreted by this gland.
	II y cold glood o the indocent for it that To	Activity No. 2 After observing the Chart on struction of pareveas, students understand about the cells in the pareveas and hormones produced by these cells.	io mindo	Mildy be conditioned about the glord they was
ERNAK COCH	ACHER ILE	Activity No: 3 After observing rudeo Clippings showing blood glucose level, students aindustands about the method of regulation of blood glucose level and the action		

61 No:	Prous skills	Learning activities and techniques	Diviation	Evaluation and Achieuement
		Activity No: 4 After observing powerpoint slides on diabetes students learn about the causes symptoms and medication of diabetes.		
	thyronine	Activity No! I Teacher starts the class by descursing about metabolism, metabolic activities and role of thyroid gland in controlling metabolic activities.	40 minutes	Ability to condustand about the gland theyroid and its iscirctions
EBE OF TEE	mone which is involved in metabolism & body and pregulation of allowed	Activity No 2 After observing rudeo dipping on hyricid gland, students undust about the hormones secreted by theyorid gland and role of these hormones, cal intonin and parathorne	tond	to Willy to conde had the inder

61 No:	Concepts Sideas/ Process skills	Learning activities and techniques	Deviation	Evaluation and Achieument
	ind clo	Actually No: 3 After observing pocurepoint obdes on disorders, students and istand about the disorders caused by the deficiency of theyroxine.		Con Francy.
	endourine gland that of produces hormones	Teacher starts the class by showing a reider elepipings ton estadents, about the child un an emergency situation and discussion about how our body coping with emergency situation:	40 minutes	Ability to undustend about advunal gland its secretion and pecularities.
ERNAK COCHI	KULAM SIN-35	Actualy No 2. After observing possession advenal gland students understand about hormones secreted by advenal gland and its pecularitis.	Denation	Advisor rad Advisorit

	SINO	Process skillo	Learning activities and techniques Direction		Achievement
	5.	Pituitary gland is an endocine gland produces growth hormone that is nesponsible for growth and also enegulate the functions of their endocune	about the growth of	io	Ibility to realize that pituitary gland produces the horizon ne susponsible for growth.
HOSEPH	COLHIA!		promote aparence of the same		1 of of consecuting the state of

5, No:	Concepts/idus/ Priours skills	Learning activities and techniques	Duration	Evaluation and Achievement
		Activity No: 3 After observing the powerpoint slides on anterior lobe of pilatory gland students understand about the hormones secreted by the antonor lobe of pituitary gland and its functions.		
		Actually No. 4 After observing the rudio clipping showing posterior lobe of petuitary gland students learn about the hormones secreted by the posterior lobe of pituitary gland and		Entere by Extran by producing simuly of intering to mores and substituting towns
	Tend that colours of and alastony stand	as alor level in blood. Actually No 5 After observing the chart on deficiency of growth harmones	40 mondo	Molty to andustried that Explications contacts the principal stand and trushy the
ERNAKU COCHII	ILAM E	students understand about the variation in the production of growth hormone affects growth.		Ackaramast

FOLLOW UP ACTIVITIES 1) Prepare a table showing the endourine glands and their secretions 2) Prepare a shout note on endouine system and hommone 3) Draw a neat diagram of hormone receptor complex a short note on action of unsulin and gluragon 5) Prepare a pamphlet on causes of deabelis. 6) How does the deficiency of insulin or the inability of cells to use insulin affects the body? 7) How does the sure or fall of the thyroxine level offet the body? 8) Prepare a pamphlet on hypothyroidism and hyperthyroidism 9) Prepare a chart on thyroid gland position 10) Would short note on regulation of level of calcum in blood. 11) Prepare a chart on the position and pecularities of adrenal gland. 12) How does the presence of melatonin influence sleep and waking up: 13) Prepare a chart on the structure and position of pituitary gland 14) Tabulate the hormones produced by anterior lobe of petentary gland. 15) Propose a chart on how the variation in the production of growth homone yets growth. 19 Prepare a table showing hormones secreted by posterior lobe of pituitary gland

- 17) Find out the season for the change in quantity of wrine expelled deving the Summer and rainy season.
- 18) How does decrease in the secretion of varopsessin affect the body?
- 19) Prepare a pamphlet on diabetes ensipidus.
- 20) Prepare a table by including esex hormones, its centre of production and function
- 21) Write a short note on relation between hypothalamus and pituitary gland.
- 22) Cruie an account of action of hypothalamus as prume controller
- 23) Prepare a table showing chemical mesages for communication in other organisms.
- 24) Prepare a table showing plant hormones and their functions.
- 25) write a short note on seedles fruits.

ENRICHMENT ACTIVITIES

- 1) Conduct a seminar on the topic. The Role of the Endocrine System in Maintaining Homeostasis.
- 2) Conduct à debate on 'Use of artificial plant hormones problems and
- Dicollect information about modern bearatory tests outlated to diagnosis of diabetes and conduct an exhibition on World Diabetes Day.

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