

Bharath institute of Higher Education & Research

BIHER

School Of Dentistry

BDS Program code D01

List of program outcomes

Program Outcomes

- Po 1 - Ability to identify the normal structures of oral cavity, differentiating the primary and permanent teeth, growth, and development of jaws
- Po 2 - Competent to diagnose the common dental and oral diseases, malocclusion, tobacco associated oral lesions, and potentially malignant and malignant conditions
- Po 3 - Competent in taking intraoral radiographs and interpret the radiographic findings
- Po 4 - Ability to use the proper instruments for a given condition
- Po 5 - Knowledge and skill in using dental materials and drugs
- Po 6 - Providing full mouth rehabilitation care and aesthetic dental care
- Po 7 - Providing dental care for special children
- Po 8 - Providing preventive dental care and dental care for medically compromised patients
- Po 9 - Knowledge about recent advances in dentistry
- Po 10 - Communication, interpersonal and managerial skills
- Po 11 - Skills of oral health promotion including primary and secondary prevention, and tobacco habit cessation counselling
- Po 12- The ability to respect community values, including an appreciation of a diversity of backgrounds and cultural values

Preclinical phase

- Po 13 - Able to demonstrate lab procedures for crown and bridge fabrication
- Po 14- Able to perform teeth setting for complete denture prosthesis
- Po15 -Able to perform removable and complete denture lab works
- Po 16 -Able to fabricate removable orthodontic appliances
- Po 17- Preclinical training for endodontics and conservative dentistry
- Po 18 - Able to Histological identification of normal oral structures and tooth section

Prosthodontics

PO 1		CO 1- Making primary impression of completely edentulous condition with Impression compound and fabrication of special tray.
PO 2		CO 2 – Able to perform removable partial and complete denture laboratory works.
PO 3		CO 3 – Able to perform teeth setting for removable partial and complete denture prostheses.
PO 7		CO 4 - Elicit case history for partially and completely edentulous patients.
PO 8		CO 5 - Clinical procedures involving impressions, maxillomandibular relationships, wax trials, denture insertions and recall visits for removable prosthesis and for Fixed Prosthesis
PO 9		CO 6 - Understanding the patients, mental attitude. Instructing the patient.
PO 10		CO 7 - Knowledge on chair and operator position for practical and clinical procedures
PO 11		CO 8 - Treatment planning and evaluation of diagnostic data.
PO 15		CO 9 - Knowledge on objectives of impression making, materials, techniques, and armamentarium
PO 16		CO 10 - Observing chair side demonstration of clinical procedures.
		CO 12 - Tooth preparation for different restorations on Mannequin
		CO 13 - Laboratory skills for fabrication of removable prosthesis
		CO 14 – Knowledge about recent dental materials and rehabilitation techniques

SKILL COMPLEXITY

LEVEL 1(Basic Skill)

- CO 4 - Elicit case history for partially and completely edentulous patients.
- CO 6 - Understanding the patients, mental attitude. Instructing the patient.
- CO 8 - Treatment planning and evaluation of diagnostic data.

LEVEL 2 (Moderate skill)

- CO 7 - Knowledge on chair and operator position for practical and clinical procedures
- CO 9 - Knowledge on objectives of impression making, materials, techniques and armamentarium
- CO 10 - Observing chair side demonstration of clinical procedures.
- CO 11 - Visualizing techniques on videos.
- CO 14 - Knowledge about recent dental materials and rehabilitation techniques

LEVEL 3 (High Skill)

- CO 1- Making primary impression of completely edentulous condition with Impression compound and fabrication of special tray.
- CO 2 – Able to perform removable partial and complete denture laboratory works.
- CO 3 – Able to perform teeth setting for removable partial and complete denture prostheses.
- CO 5 - Clinical procedures involving impressions, maxillomandibular relationships, wax trials, denture insertions and recall visits for removable prosthesis and for Fixed Prosthesis
- CO 12 - Tooth preparation for different restorations on mannequin
- CO 13 - Laboratory skills for fabrication of removable prosthesis

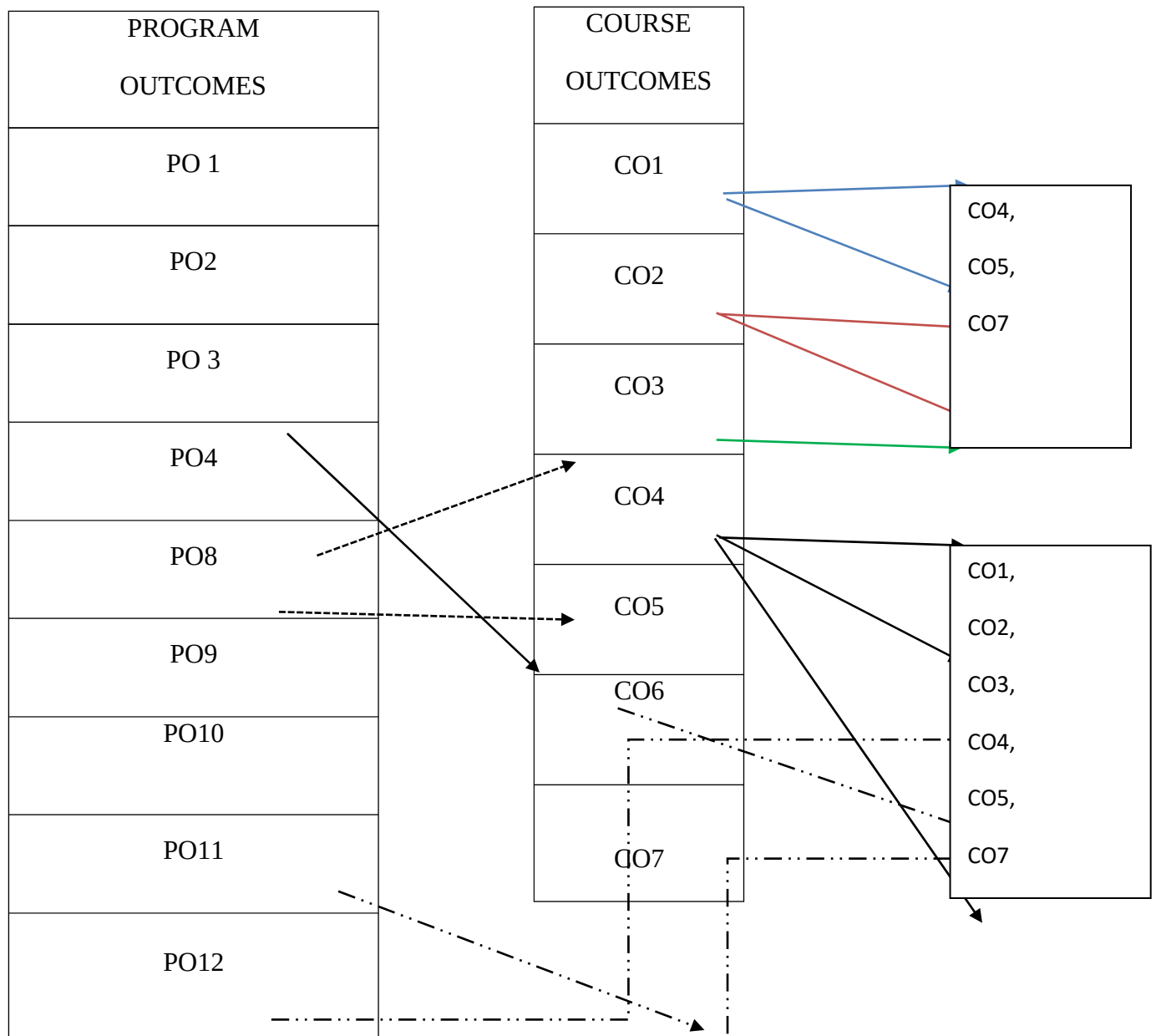
COURSE NAME	COURSE OUTCOME	DEGREE OF COMPLEXITY	OUTCOME ACHIEVEMENT				
			YEAR	HIGH	MODERATE	LOW	NOT ACHIEVED
PROSTHODONTICS AND CROWN & BRIDGE	CO 4, CO 6, CO 8	LEVEL 1	2013-14	37	15	9	nil
			2014-15	46	15	12	nil
			2015-16	62	13	4	nil
			2016-17	83	8	11	nil
			2017-18	81	6	3	nil
			2018-19	72	14	8	nil
			2019-20	32	5	2	nil
	CO 7, CO 9, CO 10, CO 11, CO 14	LEVEL 2	2013-14	45	14	2	nil
			2014-15	52	15	6	nil
			2015-16	59	16	4	nil
			2016-17	80	20	2	nil
			2017-18	81	7	2	nil
			2018-19	74	10	10	nil
			2019-20	33	3	3	nil

	CO 1, CO 2, CO 3, CO 5, CO 12, CO 13	LEVEL 3	2013-14	39	18	4	nil
			2014-15	45	20	8	nil
			2015-16	45	29	5	nil
			2016-17	52	39	11	nil
			2017-18	50	36	4	nil
			2018-19	73	8	13	nil
			2019-20	34	5	nil	nil

[illegible]

PERIODONTOLOGY

PO	COURSE OUTCOMES
PO 1	Ability to identify the normal structures of the oral cavity
PO2	Competent to diagnose the common dental and oral diseases
PO 3	Competent in interpreting the radiographic findings
PO10	Ability to use the proper instruments for a given condition
PO8	Providing preventive dental care and dental care for medically compromised patients
PO9	Knowledge about recent advances in dentistry
PO10	Communication, interpersonal and managerial skills
PO11	Skills of oral health promotion including Primary and Secondary Prevention
PO12	The ability to respect community values, including an appreciation of a diversity of backgrounds and cultural values.



Course Name	Course Outcome	Degree Of Complexity	Outcome Achievement				
			Year	High	Moderate	Low	Not Achieved
Periodontology			2013-14	36	48	10	nil
			2014-15	37	43	7	nil
			2015-16	33	42	17	nil
			2016-17	26	34	27	nil
			2017-18	22	52	22	nil
			2018-19	27	42	26	nil
			2019-20	32	5	2	nil
	CO 3	LEVEL 2	2013-14	39	43	12	nil
			2014-15	42	45	nil	nil
			2015-16	30	48	14	nil
			2016-17	25	60	2	nil
			2017-18	26	54	16	nil
			2018-19	25	59	11	nil
			2019-20	30	6	3	nil
	CO 2 CO 4 CO 5 CO 7	LEVEL 3	2013-14	44	40	10	nil
			2014-15	40	44	3	nil
			2015-16	34	42	16	nil
			2016-17	35	33	19	nil
			2017-18	30	54	12	nil
			2018-19	30	50	15	nil
			2019-20	35	2	2	nil

ORAL MEDICINE AND RADIOLOGY

Program Outcome	Course Outcome
PO2	CO1. Diagnosis of pre-malignant and malignant disorders
PO5	CO2. Able to execute various diagnostic procedures and medications
PO10	CO3. Case history taking and clinical examination
PO11	CO4. Able to diagnose tobacco induced oral lesions and conduct tobacco cessation counselling for needy patients
PO8	CO5 Provide treatment for dental patients with systemic diseases
PO5	CO6. Formulation of treatment protocol and writing a prescription for dental diseases
PO2	CO7. Diagnosing and managing bacterial, viral, and fungal oral lesions
PO3	CO8. Demonstration of techniques of intra oral radiography (IOPA, Occlusal, and bitewing)
PO1,PO3	CO9. Interpretation of normal radiographic anatomy and the pathology
PO2	CO10. Diagnosing muco-cutaneous lesions

Course name	Course outcome	Program me outcome	Degree of comple xity	Year	High	Moderate	Low	Not achiev ed
Oral Medicine & Radiology	CO1 Diagnosis of pre-malignant and malignant disorders	PO2	L2	2013-14	40	14	11	nil
				2014-15	38	15	8	nil
				2015-16	49	13	10	nil
				2016-17	53	20	8	nil
				2017-18	69	18	14	nil
				2018-19	40	32	19	nil
				2019-20	20	10	9	nil
	CO 2 Able to execute various diagnostic procedures and medications	PO5	L2	2013-14	35	17	13	nil
				2014-15	40	14	7	nil
				2015-16	45	17	10	nil
				2016-17	32	30	19	nil
				2017-18	52	32	17	nil
				2018-19	39	34	18	nil
				2019-20	21	13	5	nil
	CO 3 Case history taking and clinical examination	PO10	L3	2013-14	50	10	5	nil
				2014-15	38	15	8	nil
				2015-16	49	13	10	nil
				2016-17	53	20	8	nil
				2017-18	69	18	14	nil
				2018-19	40	32	19	nil
				2019-20	20	10	9	nil
	CO 4 Able to	PO11	L3	2013-14	38	17	10	nil
				2014-15	35	14	12	nil

	diagnose tobacco induced oral lesions and conduct tobacco cessation counseling for needy patients			2015-16	39	17	16	nil
				2016-17	33	29	19	nil
				2017-18	40	38	23	nil
				2018-19	35	37	19	nil
				2019-20	11	10	8	nil
	CO 5 Provide treatment for dental for patients with systemic diseases	PO8	L3	2013-14	34	20	11	nil
				2014-15	30	17	14	nil
				2015-16	35	19	18	nil
				2016-17	30	29	22	nil
				2017-18	39	38	24	nil
				2018-19	37	34	20	nil
				2019-20	20	12	7	nil
	CO 6 Formulation of treatment protocol and writing a prescription for dental diseases	PO5	L3	2013-14	30	22	13	nil
				2014-15	33	16	12	nil
				2015-16	34	18	20	nil
				2016-17	30	29	22	nil
				2017-18	40	39	22	nil
				2018-19	30	35	26	nil
	CO 7 Diagnosing and managing bacterial, viral, and fungal oral lesions	PO2	L2	2013-14	37	15	13	nil
				2014-15	37	12	12	nil
				2015-16	39	18	15	nil
				2016-17	32	29	20	nil
				2017-18	36	38	27	nil
				2018-19	22	40	29	nil
				2019-20	10	21	8	nil

	CO 8 Demonstration of techniques of intra oral radiography (IOPA, Occlusal, and bitewing)	PO3	L3	2013-14	40	16	9	nil
				2014-15	48	10	3	nil
				2015-16	53	14	5	nil
				2016-17	54	19	8	nil
				2017-18	86	9	6	nil
				2018-19	68	15	8	nil
				2019-20	30	5	4	nil
	CO 9 Interpretation of normal radiographic anatomy and the pathology	PO1, PO3	L3	2013-14	54	7	4	nil
				2014-15	51	7	2	nil
				2015-16	59	9	4	nil
				2016-17	62	10	9	nil
				2017-18	92	4	5	nil
				2018-19	73	11	7	nil
				2019-20	30	6	3	nil
	CO 10 Diagnosing muco-cutaneous lesions	PO2	L3	2013-14	43	12	10	nil
				2014-15	37	16	8	nil
				2015-16	43	18	11	nil
				2016-17	55	20	6	nil
				2017-18	45	32	21	nil
				2018-19	41	38	12	nil
				2019-20	27	7	5	nil

+

Course	Year	CO1	CO2	CO3	CO4	CO5
No of students achieved the course outcome	2013-14	65	65	65	65	65
	2014-15	61	61	61	61	61
	2015-16	72	72	72	72	72
	2016-17	81	81	81	81	81
	2017-18	101	101	101	101	101
	2018-19	91	91	91	91	91
	2019-20	39	39	39	39	39
Average of the students achieved the Program outcome	2013-14	89.23%	89.23%	89.23%	89.23%	89.23%
	2014-15	98.36%	98.36%	98.36%	98.36%	98.36%
	2015-16	97.22%	97.22%	97.22%	97.22%	97.22%
	2016-17	95.06%	95.06%	95.06%	95.06%	95.06%
	2017-18	89.11%	89.11%	89.11%	89.11%	89.11%
	2018-19	99%	99%	99%	99%	99%
	2019-20	100%	100%	100%	100%	100%

Course	Year	CO6	CO7	CO8	CO9	CO10
No of students achieved the course outcome	2013-14	65	65	65	65	65
	2014-15	61	61	61	61	61
	2015-16	72	72	72	72	72
	2016-17	81	81	81	81	81
	2017-18	101	101	101	101	101
	2018-19	91	91	91	91	91
	2019-20	39	39	39	39	39
Average of the students achieved the Program outcome	2013-14	89.23%	89.23%	89.23%	89.23%	89.23%
	2014-15	98.36%	98.36%	98.36%	98.36%	98.36%
	2015-16	97.22%	97.22%	97.22%	97.22%	97.22%
	2016-17	95.06%	95.06%	95.06%	95.06%	95.06%
	2017-18	89.11%	89.11%	89.11%	89.11%	89.11%
	2018-19	99%	99%	99%	99%	99%
	2019-20	100%	100%	100%	100%	100%

Pediatric and Preventive Dentistry

Program Outcome	Course Outcome
Po- 10	CO-1 Effective implementation of “Psychological ownership” Clinics
Po1, Po-11, Po-2	CO-2 Provide age-appropriate Anticipatory guidance
Po-7, Po- 8, Po-9	CO-3 Preventive measures for caries-topical fluoride application, pit and fissure sealants and preventive resin
Po – 4, Po-5, Po-6	CO-4 Class I Restorations with GIC and composites
Po-7, Po-8, Po-9, Po- 4	CO-5 Minimally invasive procedures
Po – 3, Po - 4, Po – 10.	CO-6 Basic extractions
Po -4, Po -5, Po-6, Po7, Po -8, Po-10.	CO-7 Total rehabilitation of early childhood caries in children
Po-1, Po- 2, Po-3, Po-10	CO-8 Art of case history recording

Course	Course outcome (Co)	Degree of complexity	Year	Outcome achievement			
				High	Moderate	Low	Not achieved
Paediatric and Preventive Dentistry	CO-1	Level- 2	2013-14	nil	51	10	nil
			2014-15	nil	60	16	nil
			2015-16	80	6	nil	nil
			2016-17	90	26	nil	nil
			2017-18	90	3	nil	nil
			2018-19	91	nil	nil	nil
			2019-20	39	nil	nil	nil
	CO-2	Level -2	2013-14	nil	50	11	nil
			2014-15	nil	70	6	nil
			2015-16	nil	83	3	nil
			2016-17	nil	113	3	nil
			2017-18	nil	90	3	nil
			2018-19	nil	85	6	nil
			2019-20	nil	36	3	nil
	CO-3	Level -2	2013-14	nil	55	6	nil
			2014-15	nil	71	5	nil
			2015-16	nil	75	11	nil
			2016-17	nil	100	16	nil
			2017-18	nil	90	3	nil
			2018-19	11	72	8	nil
			2019-20	15	22	2	nil
	CO-4	Level- 2	2013-14	40	21	nil	nil
			2014-15	60	16	nil	nil
			2015-16	70	5	11	nil
			2016-17	80	36	nil	nil
			2017-18	85	5	8	nil
			2018-19	82	4	5	nil

	CO-5	Level -2	2019-20	31	5	3	nil
			2013-14	nil	53	8	nil
			2014-15	nil	65	11	nil
			2015-16	nil	80	6	nil
			2016-17	nil	95	21	nil
			2017-18	nil	85	8	nil
			2018-19	nil	78	13	nil
			2019-20	nil	29	11	nil
	CO-6	Level- 2	2013-14	nil	45	16	nil
			2014-15	nil	60	16	nil
			2015-16	nil	75	11	nil
			2016-17	nil	90	26	nil
			2017-18	nil	80	13	nil
			2018-19	5	78	8	nil
			2019-20	9	23	7	nil
	CO-7	Level -2	2013-14	nil	40	21	nil
			2014-15	nil	50	26	nil
			2015-16	nil	60	26	nil
			2016-17	nil	100	16	nil
			2017-18	nil	80	13	nil
			2018-19	nil	61	30	nil
			2019-20	nil	32	17	nil
	CO-8	Level- 2	2013-14	nil	55	6	nil
			2014-15	nil	60	16	nil
			2015-16	nil	55	31	nil
			2016-17	nil	110	6	nil
			2017-18	nil	84	9	nil
			2018-19	12	71	7	nil
			2019-20	7	22	10	nil

[illegible]

ORAL AND MAXILLOFACIAL SURGERY

COURSE OUTCOMES

CO1	Student should be able to identify the tooth indicated for extraction
CO2	Student should be able to differentiate the primary and permanent teeth
CO3	Student should be able to interpret the IOPA and OPG radiograph to facilitate diagnosis and treatment planning
CO4	Student should be able to identify various dental extraction forceps and elevators used for extractions, minor oral surgical procedures
CO5	Student should be able to select the appropriate quantity of local anesthetic agents and perform the appropriate technique of administration of LA and also able to prescribe post op medications, Should be able to perform various types of suturing techniques and dental wiring on models
CO6	Student should be able to perform total extraction procedures and manage complications
CO7	Student will be able to perform extraction for special children and medically compromised patients
CO8	Student will be able to discuss about the various advanced oral surgical procedures
CO9	Student should be able to display effective interpersonal communication and managerial skills on patient care

Program Objective	Course Objective
PO1	CO1- Student should be able to identify the tooth indicated for extraction CO2- Student should be able to differentiate the primary and permanent teeth
PO2	CO1- Student should be able to identify the tooth indicated for extraction
PO3	CO3- Student should be able to interpret the IOPA and OPG radiograph to facilitate diagnosis and treatment planning
PO4	CO4- Student should be able to identify various dental extraction forceps and elevators used for extractions, minor oral surgical procedures
PO5	C05- Student should be able to select the appropriate quantity of local anesthetic agents and perform the appropriate technique of administration of LA and also able to prescribe post op medications, C07- Student will be able to perform extraction for special children and medically compromised patients
PO6	C06- Student should be able to perform total extraction procedures and manage complications CO8- Student will be able to discuss about the various advanced oral surgical procedures
PO7	C07- Student will be able to perform extraction for special children and medically compromised patients
PO8	C07- Student will be able to perform extraction for special children and medically compromised patients
PO9	CO8- Student will be able to discuss about the various advanced oral surgical procedures
PO10	C09- Student should be able to display effective interpersonal communication and managerial skills on patient care
PO11	C09- Student should be able to display effective interpersonal communication and managerial skills on patient care

Course	Course outcome(α)	Degree of complexity	Outcome achievement				
			Year	High	Moderate	Low	Not achieved
Oral and Maxillofacial Surgery	CO1	Level 2	2013-14	nil	49	13	nil
			2014-15	nil	60	13	nil
			2015-16	nil	70	11	nil
			2016-17	nil	88	18	nil
			2017-18	nil	85	6	nil
			2018-19	nil	70	21	nil
			2019-20	5	30	4	nil
	CO2	Level 2	2013-14	nil	55	7	nil
			2014-15	nil	65	8	nil
			2015-16	nil	75	6	nil
			2016-17	nil	90	16	nil
			2017-18	nil	90	1	nil
			2018-19	nil	80	11	nil
			2019-20	4	29	6	nil
	CO3	Level 2	2013-14	nil	59	3	nil-
			2014-15	60	nil	13	nil
			2015-16	79	nil	2	nil
			2016-17	nil	99	7	nil
			2017-18	nil	88	3	nil
			2018-19	15	55	21	nil
			2019-20	10	24	5	nil
	CO4	Level 2	2013-14	nil	59	3	nil
			2014-15	69	4	nil	nil
			2015-16	68	13	nil	nil
			2016-17	nil	95	11	nil
			2017-18	nil	89	2	nil
			2018-19	nil	80	11	nil
			2019-20	4	29	6	nil

	CO5	Level 2	2013-14	nil	53	9	nil
			2014-15	nil	72	1	nil
			2015-16	nil	79	2	nil
			2016-17	nil	93	13	nil
			2017-18	nil	80	11	nil
			2018-19	nil	72	19	nil
			2019-20	nil	34	5	nil
	CO6	Level 2	2013-14	nil	57	5	nil
			2014-15	nil	69	4	nil
			2015-16	70	11	nil	nil
			2016-17	nil	88	18	nil
			2017-18	nil	83	4	nil
			2018-19	nil	58	33	nil
			2019-20	nil	32	7	nil
	CO7	Level 2	2013-14	nil	60	2	nil
			2014-15	nil	71	2	nil
			2015-16	nil	72	9	nil
			2016-17	nil	95	11	nil
			2017-18	nil	89	2	nil
			2018-19	nil	61	30	nil
			2019-20	nil	25	14	nil
	CO8	Level 2	2013-14	nil	59	3	nil
			2014-15	nil	71	2	nil
			2015-16	nil	69	12	nil
			2016-17	nil	87	19	nil
			2017-18	82	nil	9	nil
			2018-19	nil	82	9	nil
			2019-20	nil	32	7	nil
	CO9	Level 2	2013-14	nil	57	5	nil
			2014-15	60	13	nil	nil

			2015-16	70	11	nil	nil
			2016-17	nil	95	11	nil
			2017-18	85	6	nil	nil
			2018-19	60	25	6	nil
			2019-20	31	8	nil	nil

Course	Year	CO1	CO2	CO3	CO4	CO5
No of students achieved the course outcome	2013-14	60	60	60	60	60
	2014-15	73	73	73	73	73
	2015-16	81	81	81	81	81
	2016-17	98	98	98	98	98
	2017-18	91	91	91	91	91
	2018-19	91	91	91	91	91
	2019-20	39	39	39	39	39
Average of the students achieved the Program outcome	2013-14	98.3%	98.3%	98.3%	98.3%	98.3%
	2014-15	100%	100%	100%	100%	100%
	2015-16	100%	100%	100%	100%	100%
	2016-17	95.9%	95.9%	95.9%	95.9%	95.9%
	2017-18	100%	100%	100%	100%	100%
	2018-19	99%	99%	99%	99%	99%
	2019-20	100%	100%	100%	100%	100%

Course	Year	CO6	CO7	CO8	CO9
No of students achieved the course outcome	2013-14	60	60	60	60
	2014-15	73	73	73	73
	2015-16	81	81	81	81
	2016-17	98	98	98	98
	2017-18	91	91	91	91
	2018-19	91	91	91	91
	2019-20	39	39	39	39
Average of the students achieved the Program outcome	2013-14	98.3%	98.3%	98.3%	98.3%
	2014-15	100%	100%	100%	100%
	2015-16	100%	100%	100%	100%
	2016-17	95.9%	95.9%	95.9%	95.9%
	2017-18	100%	100%	100%	100%
	2018-19	99%	99%	99%	99%
	2019-20	100%	100%	100%	100%

Oral Anatomy, Histology and Embryology

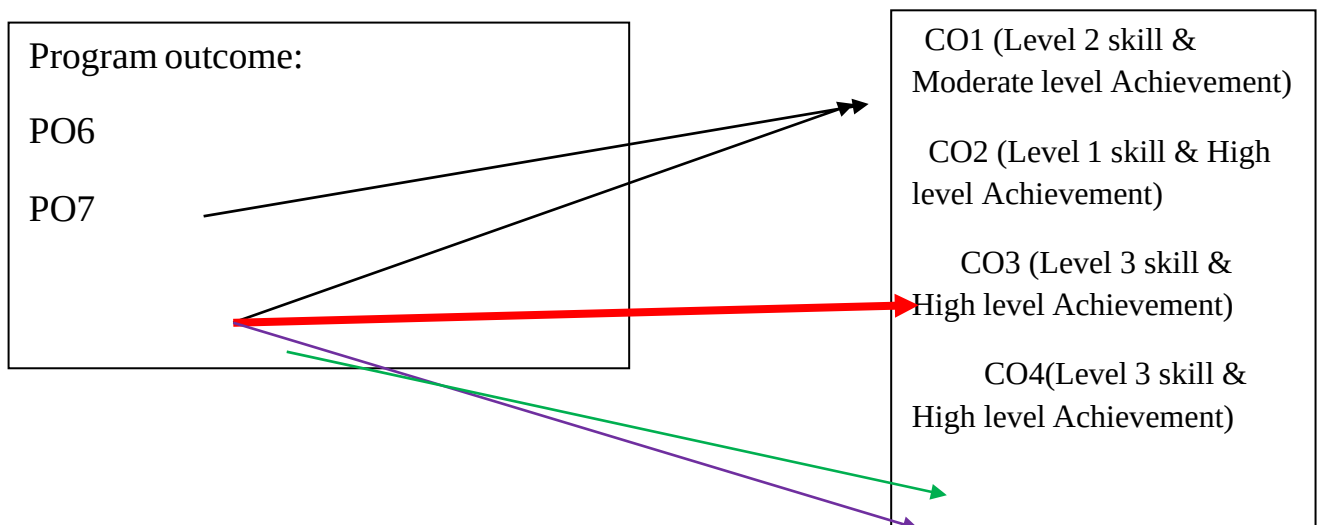
At the end of 1st BDS year, the student

CO1 should be able to understand the histological aspects & functions of the oral tissues.

CO2 should be able to understand the embryological aspects of oral & para-oral structures

CO3 should be able to acquire the skill to carve life size wax models of permanent teeth

CO4 should be able to identify histological slides of oral tissues and ground sections of teeth



Course Name	Year of Course	Course outcome	Course Outcome Achievement			Program Outcome
Oral Anatomy, Histology and Embryology			High	Moderate	Low	
	2013-14	CO1	32	64	3	99%
		CO2	28	52	19	
		CO3	35	49	15	
		CO4	45	52	7	

Course Name	Year of Course	Course outcome	Course Outcome Achievement			Program Outcome
Oral Anatomy, Histology and Embryology			High	Moderate	Low	
	2014-15	CO1	45	49	5	99%
		CO2	52	44	3	
		CO3	48	37	14	
		CO4	61	30	8	

Course Name	Year of Course	Course outcome	Course Outcome Achievement			Program Outcome
Oral Anatomy, Histology and Embryology			High	Moderate	Low	
	2015-16	CO1	26	70	3	99%
		CO2	49	50	-	
		CO3	37	40	12	
		CO4	43	37	19	

Course Name	Year of Course	Course outcome	Course Outcome Achievement			Program Outcome
Oral Anatomy, Histology and Embryology			High	Moderate	Low	
	2016-17	CO1	60	30	10	100%
		CO2	80	20		

gy		CO3	70	15	15	
		CO4	87	13		

Course Name	Year of Course	Course outcome	Course Outcome Achievement			Program Outcome
			High	Moderate	Low	
Oral Anatomy, Histology and Embryology	2017-18	CO1	54	30	15	99%
		CO2	38	32	20	
		CO3	27	49	23	
		CO4	42	40	17	

Course Name	Year of Course	Course outcome	Course Outcome Achievement			Program Outcome
			High	Moderate	Low	
Oral Anatomy, Histology and Embryology	2018- 19	CO1	53	32	15	97%
		CO2	35	35	30	
		CO3	25	50	25	
		CO4	48	42	10	

Course Name	Year of Course	Course outcome	Course Outcome Achievement			Program Outcome
			High	Moderate	Low	
Oral Anatomy, Histology and Embryology	2019- 20	CO1	50	30	20	100%
		CO2	52	32	16	
		CO3	39	49	12	
		CO4	42	40	18	

Oral Pathology

Course outcomes:

At the end of the third year, the students

CO1: Should have the ability to understand the manifestations of common lesions affecting the oral and para-oral structures

CO2: Should be able to understand the basic aspects of Forensic Odontology

CO3: Should be able to identify the microscopic slides of the diseases of oral cavity

Po & Co Matching

Po1 – Co1, CO3

Po2 – Co2

Co1: Able to list the indications and components, comprehend the mechanism of action and select appropriate

Course Name	Year	Course Outcome	Course Outcome Achievement			Program Outcome
			High	Moderate	Low	
Oral pathology	2013-14	CO1	75	25	-	100%
		CO2	69	31	-	
		CO3	65	25	10	
	2014-15	CO1	82	10	7	99%
		CO2	65	15	19	
		CO3	78	20	1	
	2015-16	CO1	67	25	7	99%
		CO2	63	23	13	
		CO3	74	20	2	
	2016-17	CO1	78	20	2	100%
		CO2	65	28	7	
		CO3	85	15	-	
	2017-18	CO1	72	22	5	99%
		CO2	67	20	12	
		CO3	73	20	6	
	2018-19	CO1	75	20	5	100%
		CO2	64	34	2	
		CO3	71	17	12	
	2019-20	CO1	49	31	20	100%
		CO2	69	21	10	
		CO3	54	25	21	

ORTHODONTICS AND DENTOFACIAL ORTHOPAEDEICS

Co1: Able to list the indications and components, comprehend the mechanism of action and select appropriate removable orthodontic appliance in any given clinical scenario

Co2: Able to recall the steps, fabricate the components of Hawley's removable orthodontic appliance and acrylicize Hawley's and habit breaking appliance accurately in a preclinical condition

Co3: Able to recall the steps, fabricate and insert the appliance, give instructions and follow up in a clinical condition

Co4: Able to describe the functional development of dental arches and occlusion, growth & development of the jaws

Co5: Able to classify malocclusion and diagnose using an appropriate classification system

Co6: Able to elicit history, perform a clinical examination and diagnose the malocclusion in a clinical scenario

Co7: Able to explain the uses of IOPA, OPG and lateral cephalogram pertaining to orthodontic diagnosis

Co8: Able to interpret IOPA, OPG and trace / interpret lateral cephalogram pertaining to orthodontic diagnosis

Co9: Able to select and use appropriate instruments for fabrication of removable orthodontic appliances

Co10: Able to recall the composition and properties of alginate, dental stone, heat cure & self-cure acrylic and commonly used orthodontic wires

Co11: Able to demonstrate manipulation of alginate and impression making for a patient

Co12: Able to manipulate dental stone & self-cure acrylic and perform necessary wire bending

Co13: Able to explain the malocclusion & treatment plan and give post appliance insertion instructions to patients

Course name	Course code	Program outcome	Degree of complexity	Outcome achievements				
				year	High	Moderate	Low	Not achieved
Orthodontics and dentofacial orthopedics	CO1	PO4	L 1	2013-14	22	30	9	nil
				2014-15	20	42	11	nil
				2015-16	15	46	13	nil
				2016-17	35	55	13	nil
				2017-18	25	54	10	nil
				2018-19	30	55	10	nil
				2019-20	20	10	9	nil
	CO2	PO4	L2	2013-14	12	35	14	nil
				2014-15	15	42	16	nil
				2015-16	15	38	21	nil
				2016-17	25	65	13	nil
				2017-18	20	54	15	nil
				2018-19	30	56	9	nil

				2019-20	22	11	6	nil
	CO3	PO4	L3	2013-14	8	29	25	nil
				2014-15	12	42	18	nil
				2015-16-	14	39	24	nil
				2016-17	15	75	17	nil
				2017-18	15	63	12	nil
				2018-19	40	50	5	nil
				2019-20	30	5	4	nil
	Co4	PO7	L1	2013-14	20	31	10	nil
				2014-15	22	41	10	nil
				2015-16-	15	43	16	nil
				2016-17	36	51	14	nil
				2017-18	35	44	10	nil
				2018-19	41	48	10	nil
				2019-20	20	13	6	nil

	CO5	PO8	L1	2013-14	30	21	10	nil
				2014-15	40	25	8	nil
				2015-16	37	31	6	nil
				2016-17	50	46	6	nil
				2017-18	54	31	4	nil
				2018-19	45	45	5	nil
				2019-20	28	6	5	nil
	CO6	PO8	L3	2013-14	18	30	13	nil
				2014-15	20	32	21	nil
				2015-16	10	60	4	nil
				2016-17	35	60	8	nil
				2017-18	45	40	4	nil
				2018-19	30	57	8	nil
				2019-20	21	10	8	nil
	CO7	P09	L1	2013-14	15	35	11	nil

				2014-15	20	40	13	nil
				2015-16	18	45	11	nil
				2016-17	25	65	13	nil
				2017-18	27	56	6	nil
				2018-19	31	61	3	nil
				2019-20	28	2	9	nil
	CO8	PO9	L2	2013- 14	15	37	9	nil
				2014-15	18	41	14	nil
				2015-16	20	44	10	nil
				2016-17	30	63	10	nil
				2017-18	30	53	6	nil
				2018-19	23	64	8	nil
				2019-20	15	15	9	nil
	CO9	PO10,	L2	2013- 14	51	10	Nil	nil
				2014-15	63	10	nil	nil
				2015-16	66	8	Nil	nil

				2016-17	100	3	Nil	nil
				2017-18	87	2	Nil	nil
				2018-19	45	45	5	nil
				2019-20	22	7	10	nil
	CO10	PO11	L1	2013- 14	32	19	10	nil
				2014-15	40	23	10	nil
				2015-16-	45	23	11	nil
				2016-17	62	29	12	nil
				2017-18	50	35	4	nil
				2018-19	35	50	10	nil
				2019-20	24	10	5	nil
	CO11	PO11	L3	2013- 14	41	20	Nil	nil
				2014-15	62	13	Nil	nil
				2015-16-	59	15	Nil	nil
				2016-17	92	11	nil	nil
				2017-18	80	9	nil	nil

				2018-19	45	47	3	nil
				2019-20	16	18	5	nil
	CO12	PO11	L2	2013- 14	29	25	7	nil
				2014-15	38	18	8	nil
				2015-16-	39	24	11	nil
				2016-17	71	18	14	nil
				2017-18	63	18	8	nil
				2018-19	80	10	5	nil
				2019-20	13	22	4	nil
	CO13	PO16	L2	2013- 14	35	16	10	nil
				2014-15	41	21	12	nil
				2015-16-	47	15	12	nil
				2016-17	60	33	10	nil
				2017-18	62	33	4	nil
				2018-19	60	31	4	nil
				2019-20	26	6	7	nil

CONSERVATIVE DENTISTRY AND ENDODONTICS

Program Outcomes		Course Outcomes
PO 5		CO 1- Competent to diagnose all carious lesions
PO6		CO 2- Adjust patients chair position in relevance to different procedures. Maintain appropriate posture and position during interaction with the patient and performing procedures
PO8		CO 3- Demonstrate recommended hand washing techniques and placement of personal protective barriers
PO10		CO 4- Provide restorative management for all types of carious lesion with no pulpal involvement with restorative materials such as silver amalgam, glass ionomer cement and composite resins
PO11		CO 5- Placement of intermediate restoration at recommended conditions
PO12		CO 6- Perform clinical evaluation for deep carious lesions by adopting direct and indirect pulp capping procedure
PO14		CO 7- Perform direct midline diastema closure with composite resin layering procedure.
PO15		CO 8- Understand the principles of aesthetic dental procedures.
		CO 9- Competent to perform restorative management for all types of carious lesion in phantom head models.
		CO 10- Competent to manipulate different dental materials.
		CO 11- Competent to identify and use dental restorative instruments
		CO 12- Competent to perform preclinical root canal treatment in single rooted extracted tooth

Course name	Course code	Degree of complexity	Outcome achievements				
			Year	High	Moderate	Low	Not achieved
Conservative dentistry and endodontics	CO1	L 2	2013-14	40	18	6	nil
			2014-15	50	15	12	nil
			2015-16	60	17	12	nil
			2016-17	90	15	13	nil
			2017-18	14	14	20	nil
			2018-19	57	14	20	nil
			2019-20	32	3	4	nil
	CO2	L2	2013- 14	42	16	6	nil
			2014-15	54	19	4	nil
			2015-16	65	12	12	nil
			2016-17	88	14	16	nil
			2017-18	55	20	22	nil
			2018-19	65	16	10	nil
			2019-20	36	3	nil	nil
	CO3	L1	2013- 14	45	15	4	nil
			2014-15	52	15	10	nil
			2015-16	68	10	11	nil
			2016-17	90	10	18	nil
			2017-18	63	12	22	nil
			2018-19	73	9	9	nil
			2019-20	32	6	1	nil
	CO4	L3	2013-14	42	13	9	nil
			2014-15	57	13	7	nil
			2015-16	35	25	29	nil

			2016-17	94	11	13	nil
			2017-18	63	12	22	nil
			2018-19	72	9	10	nil
			2019-20	31	4	4	nil
	CO5	L3	2013-14	42	14	8	nil
			2014-15	63	10	4	nil
			2015-16	67	9	13	nil
			2016-17	92	12	14	nil
			2017-18	70	8	19	nil
			2018-19	63	17	11	nil
			2019-20	29	7	3	nil
	CO6	L3	2013-14	45	9	10	nil
			2014-15	64	13	5	nil
			2015-16	59	12	17	nil
			2016-17	92	11	15	nil
			2017-18	58	16	23	nil
			2018-19	57	25	9	nil
			2019-20	26	7	6	nil
	CO7	L3	2013-14	49	7	8	nil
			2014-15	59	13	5	nil
			2015-16	67	4	13	nil
			2016-17	82	18	18	nil
			2017-18	61	11	25	nil
			2018-19	57	16	18	nil
			2019-20	22	7	10	nil
	CO8	L1	2013-14	44	16	4	nil
			2014-15	66	6	6	nil
			2015-16	71	8	10	nil
			2016-17	97	8	13	nil
			2017-18	72	5	20	nil

			2018-19	68	13	10	nil
			2019-20	36	3	nil	nil
	CO9	L2	2013-14	49	6	9	nil
			2014-15	62	7	8	nil
			2015-16	59	12	18	nil
			2016-17	92	13	13	nil
			2017-18	62	13	22	nil
			2018-19	77	12	2	nil
			2019-20	39	nil	nil	nil
	CO10	L2	2013-14	47	12	5	nil
			2014-15	60	12	5	nil
			2015-16	66	9	14	nil
			2016-17	89	12	17	nil
			2017-18	57	17	22	nil
			2018-19	69	17	5	nil
			2019-20	36	3	nil	nil
	CO11	L2	2013-14	43	14	7	nil

			2014-15	69	4	4	nil
			2015-16	71	6	12	nil
			2016-17	89	16	13	nil
			2017-18	64	11	22	nil
			2018-19	76	9	6	nil
			2019-20	35	4	nil	nil
	CO12	L2	2013-14	46	9	9	nil
			2014-15	62	9	6	nil
			2015-16	54	18	17	nil
			2016-17	94	8	16	nil
			2017-18	71	6	37	nil
			2018-19	57	16	18	nil
			2019-20	28	5	6	nil

[illegible]

PUBLIC HEALTH DENTISTRY

PO	COURSE OUTCOMES
Po4	CO1-Knowledge about various commonly used dental indices
Po4	CO2-Knowledge about various instruments used for recording the indices
P01	CO3-Recording a comprehensive case history
Po1	CO4-Accurate recordings of the scores of the various indices
Po2	CO5- Diagnosis of common oral findings
Po11	CO6- Formulation of treatment plan based on various levels of prevention

Course name	Course code	Degree of complexity	Outcome achieved				
			Year	High	Moderate	Low	Not achieved
Public Health Dentistry	CO1	L 1	2013-14	54	12	5	nil
			2014-15	55	11	14	nil
			2015-16	67	13	18	Nil
			2016-17	90	10	8	nil
			2017-18	76	14	10	nil
			2018-19	62	25	7	nil
			2019-20	36	3	nil	nil
	CO2	L2	2013-14	51	16	4	nil
			2014-15	52	19	9	nil
			2015-16	78	12	8	nil
			2016-17	81	19	8	nil
			2017-18	85	14	1	nil
			2018-19	70	18	6	nil
			2019-20	28	6	5	nil
	CO3	L3	2013-14	63	7	1	nil
			2014-15	59	9	12	nil
			2015-16	71	14	13	Nil
			2016-17	85	14	7	Nil
			2017-18	76	23	1	nil
			2018-19	72	18	4	nil
			2019-20	33	nil	6	nil
	CO4	L3	2013-14	52	11	8	nil
			2014-15	59	10	11	nil

			2015-16	74	13	10	nil
			2016-17	88	12	8	nil
			2017-18	82	14	4	nil
			2018-19	67	11	16	nil
			2019-20	29	7	3	nil
	CO5	L3	2013-14	53	14	4	Nil
			2014-15	57	14	9	Nil
			2015-16	80	9	9	Nil
			2016-17	85	16	7	Nil
			2017-18	78	15	7	nil
			2018-19	68	21	2	Nil
			2019-20	31	8	nil	nil
	CO6	L3	2013-14	60	7	4	nil
			2014-15	52	17	11	nil
			2015-16	75	15	8	Nil
			2016-17	84	14	10	Nil
			2017-18	79	13	8	Nil
			2018-19	62	12	20	nil
			2019-20	21	8	10	nil

Course	Year	CO1	CO2	CO3	CO4	CO5	CO6
No. of Students achieved the course outcome	2013-14	61	61	61	61	61	61
	2014-15	75	75	75	75	75	75
	2015-16	80	80	80	80	80	80
	2016-17	108	108	108	108	108	108
	2017-18	80	80	80	80	80	80
	2018-19	94	94	94	94	94	94
	2019-20	39	39	39	39	39	39
Average of students achieved the Program outcome	2013-14	100%	100%	100%	100%	100%	100%
	2014-15	100%	100%	100%	100%	100%	100%
	2015-16	100%	100%	100%	100%	100%	100%
	2016-17	100%	100%	100%	100%	100%	100%
	2017-18	100%	100%	100%	100%	100%	100%
	2018-19	100%	100%	100%	100%	100%	100%
	2019-20	100%	100%	100%	100%	100%	100%

School of Dental Sciences Outcome analysis

Course	Year wise Pass percentage			
	2017-18	2016-17	2015-16	2014-15
Conservative dentistry & endodontics	100.00	98.97	96.15	100.00
Dental anatomy embryology and oral histology	97.65	100.00	100.00	92.93
Dental materials	100.00	100.00	98.90	100.00
General & dental pharmacology and therapeutics	100.00	97.96	100.00	100.00
General human anatomy including embryology, osteology and histology	98.82	97.37	100.00	91.92
General human physiology and biochemistry	91.76	94.74	95.96	88.89
General medicine	89.47	100.00	95.96	98.73
General pathology and microbiology	100.00	98.98	100.00	96.97
General surgery	93.68	100.00	98.99	100.00
Oral & maxillofacial surgery	100.00	96.91	100.00	100.00
Oral medicine and radiology	100.00	89.69	96.15	100.00
Oral pathology and oral microbiology	97.89	100.00	100.00	100.00
Periodontology	100.00	92.78	93.59	95.38

