JSS MAHAVIDYAPEETHA

JSS COLLEGE OF ARTS COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade and College with Potential for Excellence)

Ooty Road Mysore

Outcome Attainment Reports (2021-22)

Index

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: **Postgraduate Department of English**
Programme Name: **Masters in English**   **Programme Code:** **ENG**
Session/Year: **2021-22**

List of POs & PSOs

POID	PO Statement	% Attainment
PO1	Develop skills to write logically relating the real-life scenario with the issues depicted in literary texts	80.29
PO2	Formulate critical reading and thinking skills in writing analytical essays	80.07
PO3	Explain figurative language in literary works of various literatures	82.93
PO4	Appraise students to understand theoretical developments in literary studies	80.64
PO5	Develop skills of criticism in reading literary works of different periods of various genres	77.74
PO6	Organise focused, well-developed text-based essay	75.86
PSO1	Develop the competence to work as English Language teacher at Primary, Secondary, Higher secondary and Pre-University level	79.16
PSO2	Create basic knowledge needed to get global level research opportunities to pursue Ph.D. programme, targeted approach to NET and competitive civil service examinations	79.34
PSO3	Formulate good communication skills for specific placements in teaching, publishing and many other industries	76.52
PSO4	Inculcate the scientific temperament in the students using the skills of critical thinking and creative writing	80.03
PSO5	Learnt to analyse emphatically in discussions and debates demonstrating good communication skills	79.45
PSO6	Produce the skills to train the English language trainers	74.85

Course Title: English Literature from Chaucer to Milton
Course Code: ENA010
Class : MA - I Sem
Name of Course In-charge/Coordinator: Dr Shobha

List of COs

CO ID	CO Statement	% Attainment
CO1	Analyse figurative language and literary techniques	98.16
CO2	Compare the unique qualities of the authors studied.	92.89
CO3	Develop a well-written argument about one or more literary texts or authors, and accurately cite literary and other sources	94.3
CO4	Create ability to read, summarize and analyse poems and sonnets of various themes	95.42

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Course Title: Elizabethan Age
Course Code: ENA020
Class : MA - I Sem
Name of Course In-charge/Coordinator: Dr Prakash S M
List of COs

CO ID	CO Statement	%Attainment
CO1	Classify the origin and growth of English Theatres and Renaissance plays	96.72
CO2	Produce the knowledge of Elizabethan culture, society and politics	95.28
CO3	Analyse Shakespearean Tragedies and Comedies in terms of language, character and Themes	94.98
CO4	Develop ability to read, summarize and critically analyse Shakespearean sonnets on various themes	96.67

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Course Title: 17th and 18thCentury English Literature
Course Code: ENA030
Class : MA - I Sem
Name of Course In-charge/Coordinator: Dr Shobha &Dr Prakash S M

List of COs

CO ID	CO Statement	%Attainment
CO1	Create the knowledge related to the historical and cultural contexts of the period	98.06
CO2	Analyse the use of figurative language and literary techniques	94.88
CO3	Organise analytically the literary texts and their contexts	87.94
CO4	Develop skills of critical analysis in reading the prescribed plays, novels and essays	95.5

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Course Title: 19th Century English Literature
Course Code: ENA040
Class : MA - I Sem
Name of Course In-charge/Coordinator: Mrs. Anjali S &Dr Prakash S M
List of COs

CO ID	CO Statement	%Attainment
CO1	Analyse the impact of French Revolution on Romantic and Victorian age.	94.77
CO2	Judge the issues related to Woman's Question during the period and contributions of Mary Wollstonecraft and J S Mill to this movement	98.51
CO3	Explain the use of allegory, metaphor, irony, rhyme, rhythm, allusion in Romantic and Victorian poetry	96.33
CO4	Produce analytical skill of understanding literary essays of Victorian philosophers	97.63
CO5	Develop ability to summarize and analyse the novels of Jane Austen, Emily Bronte, Charles Dickens and Thomas Hardy	98.42

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Course Title: Realism and Fiction
Course Code: ENA250
Class :   MA - I Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum

List of COs

CO ID	CO Statement	%Attainment
CO1	Explain realism as a literary movement	97.81
CO2	Analyse narrative techniques employed by the realistic novelists	98.44
CO3	Formulate the use of symbolisms in the prescribed novels	97.24
CO4	Judge the realistic novels of British, American, and Indian writers	98.27
CO5	Evaluate the novels of Charlotte Bronte, George Eliot, William Makepeace, Hawthorne, Henry James, Steinbeck, Premchand, Tagore and Kamal Markandaya	97.66

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Course Title: Literary Criticism-I
Course Code: ENB020
Class : MA - II Sem
Name of Course In-charge/Coordinator: Dr Shobha
List of COs

CO ID	CO Statement	% Attainment
CO1	Analyse figurative language and literary techniques	92
CO2	Compare the unique qualities of the authors studied.	88.34
CO3	Develop a well-written argument about one or more literary texts or authors, and accurately cite literary and other sources	95.41
CO4	Create ability to read, summarize and analyse poems and sonnets of various themes	96.22

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Course Title: Indian Writing in English – I
Course Code: ENB030
Class : MA - II Sem
Name of Course In-charge/Coordinator: Dr Prakash S M& Dr Syed Hajira Begum

List of COs

CO ID	CO Statement	%Attainment
CO1	Analyse figurative language and literary techniques	95.94
CO2	Compare the unique qualities of the authors studied.	98.16
CO3	Develop a well-written argument about one or more literary texts or authors, and accurately cite literary and other sources	95.71
CO4	Create ability to read, summarize and analyse poems and sonnets of various themes	96.84

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Course Title: The Modern Age-I
Course Code: ENB040
Class : MA - II Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum & Dr Prakash

List of COs

CO ID	CO Statement	%Attainment
CO1	Evaluate the social, political and cultural milieu of the age	92.5
CO2	Explain the impact of World War I and II on 20th Century poetry	97
CO3	Analyse literary elements like rhyme, rhythm, tone, style, imagery and, symbols, etc	98.02
CO4	Produce analytical skills of understanding war poetry	93.4

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Course Title: 20th Century Women's Writing: Theory & Practice
Course Code: ENB050
Class : MA - II Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum
List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the history and growth of feminism as a movement, and the waves of feminism	99.55
CO2	Analyse the phrases such as Sex and Gender, women's rights	99.1
CO3	Evaluate feminist issues in the novels of Buchi Emecheta, Margaret Atwood and Mahasweta Devi.	98.45
CO4	Criticise the feminist ideas in the works of Simone de Beauvoir, Virginia Woolf and Showalter.	98.09
CO5	Compare and analyse the poems of Kamala Das and Maya Angelou	98.23

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PSO6	Produce the skills to train the English language trainers	74.85

Course Title: English Essayists
Course Code: ENB220
Class : MA - II Sem
Name of Course In-charge/Coordinator: Dr Prakash & Dr Shobha
List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the genre of prose essays and appreciate the essayist's artistic statements	97.14
CO2	Evaluate the literary devices employed by the essayists	97.62
CO3	Analyse the importance of essays as a genre to bring social change based on close reading of the essayist's observations on society.	96.8
CO4	Compare the views of Bacon, Hazlitt, Charles Lamb, Bertrand Russell, Mathew Arnold and Orwell in the prescribed essays	95.44

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Course Title: The Modern Age-II
Course Code: ENC010
Class :   MA - III Sem
Name of Course In-charge/Coordinator: Dr Shobha

List of COs

CO ID	CO Statement	% Attainment
CO1	Explain the social, political and cultural milieu of the age	97.6
CO2	Analyse the impact of World War I and II on 20th Century fiction	95.2
CO3	Evaluate the use of various literary devices and postmodern techniques such as Stream of Consciousness, Dark Humour in modern writings	96.05
CO4	Judge the new theatres evolved in modern age.	95.65

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Course Title: Indian Writing in English-II
Course Code: ENC020
Class : MA - III Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum &Dr Prakash S M

List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the characteristic features of post-independent Indian Writing in English	91.8
CO2	Compare and critically analyse essays of Indian critics	95.68
CO3	Evaluate the Indianness in Indian Writing in English	98
CO4	Analyse the use of various literary devices by Indian writers, such as Arundati Roy, Amitav Ghosh, Amrita Pritam and RK Narayan	94.66

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Course Title: New Literatures in English
Course Code: ENC030
Class : MA - III Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum
List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the emergence of New Literatures from Commonwealth literature	99.63
CO2	Analyse the thematic concerns in New Literatures	98.41
CO3	Evaluate the cultural conflict in New literatures such as African, Australian, Canadian and Caribbean and the impact of colonization on native cultures	97.84
CO4	Formulate essays on the novels of Chinua Achebe, Wole Soyinka, Alice Munro, Patrick White, and V S Naipaul	99.56
CO5	Judge the use of various literary devices in the poetry of Dennis Brutus, David Diop, AJM Smith, Judith Wright, Derek Walcott, and Braithwaite	99.25
CO6	Produce analysis on the essays of Ngugi, Northrop Frye and Wilson Harris	98.98

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Course Title: Indian English Poetry After Independence
Course Code: ENC230
Class :   MA - III Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum
List of COs

CO ID	CO Statement	% Attainment
CO1	Explain the use of Indianness in the modern Indian poetry	99
CO2	Analyse the themes, imagery, symbolism in the poems of Ezekiel, Ramanujan, Daruwalla, de Souza, Mahapatra, Parthasarathy, Anita Nair and Vikram Seth	99.77
CO3	Evaluate the human values and human predicament in modern Indian poetry	98.53
CO4	Formulate the trend setting themes explored in contemporary Indian poetry	97.86

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Course Title: A Course in Written and Spoken English
Course Code: ENC520
Class :   MA - III Sem
Name of Course In-charge/Coordinator: Dr Shobha
List of COs

CO ID	CO Statement	% Attainment
CO1	Explain the correct use of parts of speech and English grammar	91.26
CO2	State the grammar rules and apply them in conversation and communication	89
CO3	Evaluate effectively describing impressions, feelings and experiences	80.23
CO4	Formulate the familiar topics and give explanations and reasons for opinions, past actions and future plans.	95.19
CO5	Analyse comprehension passages and answer the implied questions rightly	94.89

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: **Postgraduate Department of English**
Programme Name: **Masters in English**   **Programme Code:**   **ENG**
Session/Year: **2021-22**

List of POs & PSOs

POID	PO Statement	%Attainment
PO1	Develop skills to write logically relating the real-life scenario with the issues depicted in literary texts	80.29
PO2	Formulate critical reading and thinking skills in writing analytical essays	80.07
PO3	Explain figurative language in literary works of various literatures	82.93
PO4	Appraise students to understand theoretical developments in literary studies	80.64
PO5	Develop skills of criticism in reading literary works of different periods of various genres	77.74
PO6	Organise focused, well-developed text-based essay	75.86
PSO1	Develop the competence to work as English Language teacher at Primary, Secondary, Higher secondary and Pre-University level	79.16
PSO2	Create basic knowledge needed to get global level research opportunities to pursue Ph.D. programme, targeted approach to NET and competitive civil service examinations	79.34
PSO3	Formulate good communication skills for specific placements in teaching, publishing and many other industries	76.52
PSO4	Inculcate the scientific temperament in the students using the skills of critical thinking and creative writing	80.03
PSO5	Learnt to analyse emphatically in discussions and debates demonstrating good communication skills	79.45
PSO6	Produce the skills to train the English language trainers	74.85

Course Title: Literary Criticism-II
Course Code: END010
Class : MA - IV Sem
Name of Course In-charge/Coordinator: Dr Shobha
List of COs

CO ID	CO Statement	% Attainment
CO1	Explain the meaning, elements and characteristics of contemporary literary criticism	98.89
CO2	Analyse the essays using the skills of literary critical analysis	95.65
CO3	Produce analytical essays on the literary texts of the prescribed critics	98.30
CO4	Evaluate the latest developments in the specific field of practice of literary theories	95.64

JSS College of Arts, Commerce and Science

Department: **Postgraduate Department of English**
Programme Name: **Masters in English**   **Programme Code:** **ENG**
Session/Year: **2021-22**

List of POs & PSOs

POID	PO Statement	%Attainment
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PSO6	Produce the skills to train the English language trainers	74.85

Course Title: American Literature
Course Code: END020
Class : MA - IV Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum
List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the significance of Renaissance, Transcendentalism and journey metaphor in American literature	99.72
CO2	Analyse the poems of Emily Dickinson, Wallace Stevens, Walt Whitman and Robert Frost	99.29
CO3	Compare and analyse the themes, narrative techniques, character analysis in the novels of Mark Twain, Douglas, Toni Morisson and Ray Bradbury	98.01
CO4	Judge the human condition in the plays of Arthur Miller, Eugene O'Neill and Edward Albee	97.84

Department: **Postgraduate Department of English**
Programme Name: **Masters in English** **Programme Code:** **ENG**
Session/Year: **2021-22**

List of POs & PSOs

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PO1	Develop skills to write logically relating the real-life scenario with the issues depicted in literary texts	80.29
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PSO6	Produce the skills to train the English language trainers	74.85

Course Title: Major Project Work leading to Dissertation
Course Code: END030
Class : MA - IV Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum

List of COs

CO ID	CO Statement	%Attainment
CO1	Analyse the area of topic chosen for project work in detail	94
CO2	Create research skills and demonstrate scholarly expertise in exploring the subject to prepare the dissertation for the project work	95
CO3	Produce the skills of research analysis in writing thesis	94.27
CO4	Explain logically and relate the issues and findings to real life scenario	94.81

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: **Postgraduate Department of English**
Programme Name: **Masters in English**   **Programme Code:**   **ENG**
Session/Year: **2021-22**
List of POs & PSOs

POID	PO Statement	%Attainment
PO1	Develop skills to write logically relating the real-life scenario with the issues depicted in literary texts	80.29
PO2	Formulate critical reading and thinking skills in writing analytical essays	80.07
PO3	Explain figurative language in literary works of various literatures	82.93
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PSO2	Create basic knowledge needed to get global level research opportunities to pursue Ph.D. programme, targeted approach to NET and competitive civil service examinations	79.34
PSO3	Formulate good communication skills for specific placements in teaching, publishing and many other industries	76.52
PSO4	Inculcate the scientific temperament in the students using the skills of critical thinking and creative writing	80.03
PSO5	Learnt to analyse emphatically in discussions and debates demonstrating good communication skills	79.45
PSO6	Produce the skills to train the English language trainers	74.85

Course Title: African Fiction
Course Code: END230
Class : MA - IV Sem
Name of Course In-charge/Coordinator: Dr Syed Hajira Begum
List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the social, political and cultural milieu of the African society represented in fiction.	98.9
CO2	Produce critical essays on contemporary African novels such as Anthills of the Savannah, Purple Hibiscus, The Bride Price and Changes: A Love Story	99.29
CO3	Analyse the latest developments in the specific fields of postcolonial African writings to bring gender justice in the society	98.43
CO4	Evaluate the role of the characters in the novels of Achebe, Adichie, Emecheta and Aidoo	98.18
CO5	Analyse the political and societal conflicts in the postcolonial African writings	98.64

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: PG Department of Social Work
Programme Name: MSW   **Programme Code: MSW 13**
Session/Year: 2021-22

List of POs & PSOs

POID	PO Statement	% Attainment (Overall)*
PO1	Develop the capacity to undertake Research	74.8
PO2	Develop the skills and capacities to work in a multidisciplinary team	70.3
PO3	Develop the capacity to project self as a professional	67.7
PO4	Equipped with the knowledge of Social dynamism	61.2
PO5	Equipped to work in various fields of Social Work	61.1
PO6	Imbibed with the core values and principles of Social Work	59.7
PSO1	Equip to work in the Community Development Programmes	61.2
PSO2	Develop the capacity to work in the field of Human Resource as Labour Welfare Officers, HR Executives and liaison officers	62.3
PSO3	Develop the skill to work as medical and psychiatric social workers	65.2
PSO4	Equip with the skill to work in family and Child Welfare Centres	59.3
PSO5	Develop the capacity to work in correctional settings	61.5

Course Title: Social Work – History and Ideologies   **Course Code: SWA 010**
Name of Course In-charge/Coordinator: Dr. Susmitha B

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the details of Indian History of Social work Profession	57.7
CO2	Understand in depth Values and principles of Social work	61.4
CO3	Deliberate the details of Contemporary Ideologies for Social change	72.6
CO4	44731 Learn the details of Western Ideologies for Social Change and History of Social Work	56.20

Course Title: Work with Individuals and Families   **Course Code: SWA 020**

Name of Course In-charge/Coordinator: Dr. Kumudini Achchi

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in details with application of social case wok as method of Social Work	64. 7
CO2	Learn in detail the Values and principles of Social Case work	59.5
CO3	Learn the details of theories and process of Casework	71.1
CO4	Specify in depth application of Social Case work in different settings	65.00

Course Title: Work with Groups   **Course Code: SWA 030**
Name of Course In-charge/Coordinator: Dr. Kumudini Achchi

List of COs

CO ID	CO Statement	%Attainment
CO1	Identify in detail the concept of group and group work	65.2
CO2	Learn the process of Group Work	61.5
CO3	Understand in depth Group dynamics and skills in group work	62.1

Course Title: Work with Communities   **Course Code: SWA 040**
Name of Course In-charge/Coordinator: Dr. M P Somashekar
List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in details with examples concept of Community and Community organization	63.4
CO2	Learn in depth models and strategies of Community Organization	61.7
CO3	Understand the skills of Community organize	62.5
CO4	Understand in depth Micro and macro policies of community Organizaion	60.1

Course Title: Human Growth & Development   **Course Code: SWA 050**
Name of Course In-charge/Coordinator: Dr. Susmitha B

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in detail Human life span and principles of growth and development	69.1
CO2	Understand the details of Developmental stages of Human Life span	63.2
CO3	Understand the theories of Human Development and learning	59.2
CO4	Understand the theories of Basic Human Needs, motivation, Personality	63.2

Semester: II

Course Title: Social Work Research and Statistics   **Course Code: SWB 010**
Name of Course In-charge/Coordinator: Dr. M P Somashekar
List of Cos

CO ID	CO Statement	%Attainment
CO1	Understand the meaning, objectives and scope of Social Work Research	61.4
CO2	Understand in detail the Process of Social Work Research	62.5

Course Title: Developmental and Welfare Services   Course Code: SWB 020
Name of Course In-charge/Coordinator: Dr. Kumudini Achchi

List of COs

CO ID	CO Statement	%Attainment
CO1	Deliberate in depth need for social welfare organization	61.2
CO2	Learn the procedure of establishment of Human Service Organizations	62.4
CO3	Understand the process of Management	59.9
CO4	Learn in detail the concepts of Programme Development and Public Relations	70.1

Course Title: Personal and Professional Growth   Course Code: SWB 030
Name of Course In-charge/Coordinator: Dr. Susmitha B

List of COs

CO ID	CO Statement	% Attainment
CO1	Understand the meaning, importance, purpose and process of communication	59.3
CO2	Learn the use of Visual aids in communication	61.7
CO3	Understand the counselling situations and approaches	65.7
CO4	Understand self and developing self awareness	62.4
CO5	Understand the details of emotions and emotional expressions	70.7
CO6	Understand in depth life skills	73.5
CO7	Identify in depth Values, attitudes and professional ethics	71.1

Course Title: Communication and Counselling   Course Code: SWB220
Name of Course In-charge/Coordinator: Dr. Susmitha B

List of COs

CO ID	CO Statement	% Attainment
CO1	Identify in detail the concept of group and group work	61.2
CO2	Learn the process of Group Work	63.10
CO3	Understand in depth Group dynamics and skills in group work	60.40

Course Title: Social Science Perspectives for Social Work Practice   **Course Code: SWD 240**
Name of Course In-charge/Coordinator: Dr. M P Somashekar

List of COs

CO ID	CO Statement	% Attainment
CO1	Deliberate the characteristics of sociology and its relationship with other social sciences	59.2
CO2	Specify the characteristics of social movements in India	61.2

Semester: III

Course Title: Human Resource Management   **Course Code: SWC 010**
Name of Course In-charge/Coordinator: Prof. J A K Tareen

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the concept and philosophy of Human Resource Management	68.1
CO2	Understand the policies, sources and methods of talent acquisition	62.4
CO3	Deliberate in details with examples Compensation Management	62.3
CO4	Deliberate the changing scenario of strategic Human Resource Management 70	59.4

Course Title: Organizational Behaviour and Organizational Behaviour   **Course Code: SWC 020**
Name of Course In-charge/Coordinator: Prof. J A K Tareen

List of COs

CO ID	CO Statement	%Attainment
CO1	Specify the significance of transactional analysis and theories of motivation	62.4
CO2	Understand group dynamics and organization development	59.7
CO3	Deliberate in depth on organizational change, stress and burnout	62.1

Course Title: Preventive and Social Medicine and Medical Social Work   **Course Code: SWC 030**
Name of Course In-charge/Coordinator: Dr. Kumudini Achchi

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in depth concept of health and health care	62.7
CO2	Learn in details with application Medical Social Work and Rehabilitation of Patients	58.4

Course Title: Social Policy, Planning and Development   **Course Code: SWC 040**
Name of Course In-charge/Coordinator: Dr. Susmitha B

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand in detail concept and purpose of social policies and values underlying social policy	58.4
CO2	Learn in detail Sectoral policies in India	61.7
CO3	Learn the social planning process	59.8
CO4	Learn in detail the concept of social development and Indicators of development	61.7

Course Title: Legal System in India   **Course Code: SWC 050**
Name of Course In-charge/Coordinator: Dr. Susmitha B

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in depth concept of social justice and understanding of Rights	57.4
CO2	Understand the divisions of law and chapters under IPC and CRPC	61.1
CO3	Understand the details of structure and functions of District Court, High Court and Supreme Court	60.2

Semester: IV

Course Title: Employee Relations and Legislations   **Course Code: SWD 010**
Name of Course In-charge/Coordinator: Prof. J A K Tareen

List of COs

CO ID	CO Statement	%Attainment
CO1	Identify in details with application concept, philosophy and principles of employee relations	62.7
CO2	Deliberate on functioning of trade unions in India	60.3
CO3	Learn the employee legislations	60.2
	Understand in depth process of collective bargaining	57.1

Course Title: Mental Health and Psychiatric Social Work   **Course Code: SWD 020**

Name of Course In-charge/Coordinator: Dr. Kumudini Achchi

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the details of concept of Mental Health, Mental Illness and its classification	61.6
CO2	Understand the concept of psychiatric Social Work and Multidisciplinary approach and team work	65.7
CO3	Learn about the institutional care of mentally ill and role of social workers	58.8
CO4	Understand the psycho social rehabilitation and legislations related to mental Health	56.1

Course Title: Human Resource Development and Employee Wellness   **Course Code: SWD 030**

Name of Course In-charge/Coordinator: Prof. J A K Tareen

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand concept, approaches and dimensions of Human resource development	56.1
CO2	Deliberate in depth on HRD Interventions	62.3
CO3	Learn in details with examples concept and importance of talent development	61.1
CO4	Deliberate on employee wellness and standardization of systems	59.1

Course Title: Society and Social Work   **Course Code: SWD 040**

Name of Course In-charge/Coordinator: Dr. M P Somashekar

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand in depth on society and its institutions	57.5
CO2	Understand in details on the different concepts of psychology	58.4
CO3	Specify the characteristics of mental health and mental disorders	59.1

Course Title: Social Science Perspectives for Social Work Practice   **Course Code: SWD 050**
Name of Course In-charge/Coordinator: Dr. M P Somashekar

List of COs

CO ID	CO Statement	%Attainment
CO1	Deliberate the characteristics of sociology and its relationship with other social sciences	59.1
CO2	Specify the characteristics of social movements in India	61.4

JSS Mahavidaypeetha
JSS College of Arts Commerce and Science

Department: PG Commerce

Programme Code: 1001

Programme Name: M.Com

Session/Year: 2021-22

Sl.No	PSO ID	PSO Statement	PSO Attainment	% Attainment
1	PSO1	Inculcate the knowledge of business and the techniques of managing the Business with special focus on Accounting, finance, and financial services	2.43	81
2	PSO2	Identify knowledge based accounting principles and the latest application oriented corporate accountingmethods.	2.30	76.66
3	PSO3	Develop decision making skill through costing methods and practical application of management accounting principles.	2.21	73.66
4	PSO4	Enhance taxation skills through a thorough understanding of tax laws	2.34	78

Sl.No	PO ID	PO Statement	PO Attainment	% Attainment
1	PO1	Understand role of accounting and finance in the present business scenario.	2.26	75.33
2	PO2	Identify the latest trends in banking and finance	2.5	83.33
3	PO3	Use wide varieties of tools and techniques to meet the emerging opportunities and challenges	2.8	93.33
4	PO4	Become an entrepreneur based on the knowledge gained.	2.58	86.00
5	PO5	Strengthen the knowledge base to take up CA/ICWA/ICS and other competitive examination	2.68	89.33
6	PO6	Acquire the ability to engage in independent & lifelong learning in the broader context of social and technical changes.	2.10	70
7	PO7	Accept the challenges of business world	2.24	74.66
8	PO8	Enhance logical thinking and decision making ability	2.19	73

Name of the Coordinator: Dr.Divya.L

Semester: I

Sl.No	Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
1	Accounting Theory	**MCA010**	MCA010.1	Acquaint a set of logical principles for evaluation and development of sound accounting practices.	2.8	93.33
			MCA010.2	knowledge on conceptual framework of accounting theory	2.8	93.33
			MCA010.3	Critical thinking skills to analyse and interpret accounting transactions.	2.8	93.33
			MCA010.4	Understand the recognition, measurement and disclosure principles of elements of financial statements.	2.8	93.33
2	Corporate Governance And Business Ethics	**MCA080**	MCA080.1	Understand the concept of corporate governance	2.6	86.66
			MCA080.2	knowledge about corporate ethics and cultural influences	2.6	86.66
			MCA080.3	Acquire knowledge of corporate social responsibility and accountability	2.6	86.66
			MCA080.4	Analyze the role of E-governance in present scenario.	2.6	86.66
3	Advanced Financial Management	**MCA090**	MCA090.1	Understand financial management concepts and its important functions.	2.8	93.33
			MCA090.2	Learn the process of evaluation of projects	2.8	93.33
			MCA090.3	Understand capital structure theories	2.8	93.33
			MCA090.4	Identify the dynamics of financial markets	2.8	93.33
4	Strategic Marketing	**MCA100**	MCA100.1	Understand the marketing strategy formulation	3	100
			MCA100.2	Learn the steps in implementation of marketing strategies.	3	100
			MCA100.3	Analyze different marketing strategy	3	100
			MCA100.4	Learn about formulation and evaluation of marketing strategy	3	100
5	Business Policy And Environment	**MCA210**	MCA210.1	Insight on policy formation	2.8	93.33
			MCA210.2	Understand the environmental factors that influence business	2.8	93.33
			MCA210.3	Knowledge and significance of corporate social responsibility	2,8	93.33
			MCA210.4	Identify the Principles of Business ethics	2.8	93.33
6	Statistics For Business Decisions	**MCA220**	MCA220.1	Knowledge about application of probability theory and sampling in different areas of commerce	3	100
			MCA220.2	Analyze the various methods of theoretical probability distribution	3	100
			MCA220.3	Application of different tools in taking business decisions	3	100
			MCA220.4	Learn the advanced application oriented tests – F Distribution and Anova	3	100

Semester: II

Sl.No	Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
1	Organizational Behavior	**MCB030**	MCB030.1	Understand individual behavior in the organization	2.8	93.33
			MCB030.2	Acquire the knowledge about foundation of individual behavior	2.8	93.33
			MCB030.3	Learn and apply skills in motivation	2.8	93.33
			MCB030.4	Evaluate individual behavior in group and resolve the conflicts	2.8	93.33
2	Entrepreneurial Development	**MCB050**	MCB050.1	Analyze the foundations and different dimensions of Entrepreneurial Development	2.4	80
			MCB050.2	Acquaint the skills of an young entrepreneurs	2.4	80
			MCB050.3	Analyze the techniques of project planning, implementation and execution.	2.4	80
			MCB050.4	Identify the institutional support to entrepreneurs.	2.4	80
3	Capital Market Instruments	**MCB010**	MCB010.1	Understand the role of capital markets	3	100
			MCB010.2	Critically evaluate the various capital market instruments like Stock, bonds etc	3	100
			MCB010.3	Identify the dynamics of global capital markets	3	100
			MCB010.4	Understand the concept and use of Derivatives in risk management.	3	100
4	Human Resource Management	**MCB240**	MCB240.1	Knowledge about human resources, their significance and management in organizations	2.4	80
			MCB240.2	Analyze human resource planning	2.4	80
			MCB240.3	Learn the steps in HRD	2.4	80
			MCB240.4	Understand reward system and appraisal of individual	2.4	80
5	Management of financial services	**MCB250**	MCB250.1	To understand and appreciate the role of financial services industry	2.8	93.33
			MCB250.2	To grasp the trends in financial services industry particularly the impact of globalization of Financial Services	2.8	93.33
			MCB250.3	To gain an insight into the future of Financial Services industry	2.8	93.33
			MCB250.4	Verify the global developments in technology.	2.8	93.33

III SEM

Sl.No	Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
1	International Business	**MCC010**	MCC010.1	Understand the scope of international business along with drivers of globalization	3	100
			MCC010.2	Analyze different aspects of International Business environment and the issues associated with them.	3	100
			MCC010.3	Identify policy and practice skills related to international business	3	100
			MCC010.4	Identify the various modes of entry in international business.	3	100
2	Business Research Methods	**MCC030**	MCC030.1	Evaluate various research decisions	3	100
			MCC030.2	Learn the methods of data collection	3	100
			MCC030.3	Analysis and interpretation of data	3	100
			MCC030.4	Equip the skills of report writing	3	100
3	Security Analysis And Portfolio Management	**MCC040**	MCC040.1	Knowledge about practical aspects of investment analysis	2.8	93.33
			MCC040.2	Understand the functions of SEBI	2.8	93.33
			MCC040.3	Analyze the various investment alternatives	2.8	93.33
			MCC050.4	Learn the skills to construct investment portfolio	2.8	93.33
4	Indirect Tax Law and Practice	**MCC230**	MCC230.1	Understand the significance and contribution of indirect taxes (GST) in the Indian and global economy.	2.4	80
			MCC230.2	Comprehend the principles of taxation and incidence process of indirect taxes in market orientated economy.	2.4	80
			MCC230.3	Understand the implications of indirect taxes on the taxable capacity of consumers, dealers and society at large.	2.4	80
			MCC230.4	Become tax consultants for tax planning, tax management, payment of tax and filling of tax returns	2.4	80
5	Cost Accounting for Decision Making	**MCC250**	MCC250.1	Understand the basic concept of marginal costing.	2.4	80
			MCC250.2	Analyze and apply of profitability and cost concept.	2.4	80
			MCC250.3	Evaluate the managerial decisions-make or buy decisions.	2.4	80
			MCC250.4	Examine the cost accounting techniques.	2.4	80

Semester: IV

Sl.No	Course title	Course Code	CO No./Id	CO Statement	CO Attainment	% Attainment
1	International Accounting	**MCD010**	MCD010.1	Understand international accounting issues related to global financial reporting.	2.4	80
			MCD010.2	Examine, analyze and assess theoretical and practical aspects of accounting harmonization.	2.4	80
			MCD010.3	Identify major diversities and challenges of financial reporting in the global arena and IFRS.	2.4	80
			MCD010.4	Learn the techniques of international financial statement analysis	2.4	80
2	Current Trends In Business And Commerce	**MCD020**	MCD020.1	Understand changing business and financial environment	2.8	93.33
			MCD020.2	Equip the skills required for competitive examinations and JRF, NET and SLET	2.8	93.33
			MCD020.3	Develop analyzing and decision making skills on current topics of business	2.8	93.33
			MCD020.4	Identify the reforms in areas of banking, insurance, capital markets and taxation.	2.8	93.33
3	Innovations In Accounting	**MCD210**	MCD210.1	To make students familiar with various innovations taking place in accounting	2	66.66
			MCD210.2	To learn valuation of human resource	2	66.66
			MCD210.3	To learn valuing the brand	2	66.66
			MCD210.4	To understand the concepts of Responsibility accounting	2	66.66
4	Corporate Tax Law And Planning	**MCD230**	MCD230.1	Understand the incidence of tax on residential status of the companies	2.6	86.66
			MCD230.2	Understand the different types of companies under corporate income tax act.	2.6	86.66
			MCD230.3	Know the different sources of income for corporate assesses.	2.6	86.66
			MCD230.4	Become a manger of a company/tax consultant and reduce the tax burden and maximize the company's wealth	2.6	86.66
5	Cost Management	**MCD250**	MCD250.1	Understand the scope and need for cost control and management.	2.4	80
			MCD250.2	Familiarize with the basic cost control and management tools.,	2.4	80
			MCD250.3	Know the manufacturing industries cost system and analysis through the statistical tool.	2.4	80
			MCD250.4	Understand the importance of operation research in cost control and management	2.4	80

Name of the Department: PG Department of Chemistry
Programmes offered: M.Sc. in Chemistry

Course outcomes (%Attainments)

Course Title	Course Code	CO No./Id	CO Statement	%Attainment
Concepts and Models of Inorganic Chemistry	21CHA 10	CO1	The periodic properties of the elements, structures of ionic solids and their lattice energy calculations. Further, th e use of VSEPR concepts in analyzing the structures of simple molecules.	100
		CO2	Various acid-base concepts and their applications in different fields. Also, understand the utility of various non-aqueous solvents in inorganic synthesis.	100
		CO3	Complete understanding of the chemistry of lanthanides, actinides and their applications.	90
Stereochemistry and Reaction Mechanism	21CHA 11	CO1	Optical and geometrical isomerism of Organic compounds. Application of stereochemistry in the study of regioselective and regiospecific reactions.	100
		CO2	The study of HMOT and its applications to simple organic molecules, and also understand the concept of aromaticity and methods of determining reaction mechanism.	60
		CO3	Nucleophilic, electrophilic and elimination reactions.	100
Basic Physical Chemistry	21CHA 12	CO1	The completion of this course will enable the students to gain the knowledge on fundamentals and theoretical background on the concepts of chemical thermodynamics, chemical kinetics and electrochemistry of solutions.	100
		CO2	This helps in understanding the stability and energetics of reaction	100
Essentials of Analytical Chemistry	21CHA 13	CO1	To enhance the knowledge on usage of analytical terminologies	100
		CO2	To build the skills on statistical analysis and comparison of results	100
		CO3	To aquire the skills on sampling, purification, separation and data analysis using instrumental techniques.	100
		CO4	To excel the knowledge on various separation techniques	
		CO5	Explore topics such as experimental design, sampling, calibration strategies, standardization, optimization, statistics and the validation of experimental results	100
Analytical	21CHA	CO1	Analyze various samples with different classical and simple instrumental	100

Chemistry Practicals	50		skills.	
		CO2	Obtain knowledge for selection of analytical methods with suitable technique being adopted for the analysis different samples like, water, laboratory chemicals and reagents, body fluids such as urine etc.	100
		CO3	Distinguish classical and instrumental methods.	100
		CO4	Propose and conduct experiment for quantification of individual analytes.	100
Inorganic chemistry Practicals	21CHA 51	CO1	Determination of various analytes presents in different ore samples by volumetric, gravimetric and spectrophotometric methods.	100
		CO2	The chemistry of redox, complexometric and indirect methods	100
		CO3	The principle in the semi-micro analysis of an inorganic salt mixture	100
Organic Chemistry Practicals	21CHA 52	CO1	Students are involved in the multi-step synthesis of different organic compounds.	100
		CO2	Understand the qualitative analysis of binary mixture of organic compounds through separation, identification of functional groups and preparation of solid derivatives.	100
Physical Chemistry Practicals	21CHA 53	CO1	After the completion of this course, the students can able to develop the experimental skill and theoretical interpretation of experimental results of many physical chemistry experiments of chemical kinetics in solution phase, thermodynamics, electrochemistry and spectrophotometry.	100
		CO2	This helps in academics, research and industries.	100
Coordination Chemistry	21CHB 10	CO1	Gain the knowledge of preparative methods of coordination compounds and geometries of different coordination numbers.	90
		CO2	Understand the CFT and MOT bonding theories of metal complexes.	100
		CO3	Electronic spectra, magnetic properties and infrared spectroscopy of coordination compounds. In addition, understand the reaction mechanism and photochemistry of coordination compounds.	90
Synthetic Organic Chemistry	21CHB 11	CO1	Students are familiar about chemistry of oxidants, reductants and their applications in the organic synthesis.	30
		CO2	Understand the various catalysts in organic synthesis by known naming reactions.	90
		CO3	Retro-synthesis and molecular rearrangement.	100
Principles of Physical	21CHB 12	CO1	Principles of Quantum chemistry and theoretical calculations of energies of molecules and chemical reactions.	100

Chemistry		CO2	Apply solutions of the Schrödinger equation for simple systems (particle in a box, rigid rotor, harmonic oscillator) to real systems.	100
		CO3	Explain angular momentum as possessed by atomic or molecular systems, various descriptions of how angular momentum can be coupled, and how conservation of angular momentum is important to spectroscopy.	100
		CO4	Rotational, and electronic energy states) in determining the energy of stationary states.	100
		CO5	Fundamentals of polymers and their applications in controlling the quality and waste management of polymer product.	
Molecular Symmetry and Spectroscopy	**21CHB 13**	CO1	Molecular symmetry and applications of group theory to CFT, hybridization, MOT and vibrational spectroscopy.	90
		CO2	Theory and principles of Rotation, Vibration and Raman Spectroscopy.	100
		CO3	Theory and principles Electronic and Resonance Raman spectroscopy.	100
Analytical Chemistry Practicals	**21CHB 50**	CO1	Analyze various samples with different classical and simple instrumental skills.	100
		CO2	Obtain knowledge for selection of analytical methods with suitable technique being adopted for the analysis different samples like, water, laboratory chemicals and reagents, body fluids such as urine etc.	100
		CO3	Distinguish classical and instrumental methods.	100
		CO4	Propose and conduct experiment for quantification of individual analytes.	100
Inorganic chemistry Practicals	**21CHB 51**	CO1	Determination of various analytes presents in different ore samples by volumetric, gravimetric and spectrophotometric methods.	100
		CO2	The chemistry of redox, complexometric and indirect methods	100
		CO3	The principle in the semi-micro analysis of an inorganic salt mixture	100
Organic Chemistry Practicals	**21CHB 52**	CO1	Students are involved in the multi-step synthesis of different organic compounds.	100
		CO2	Understand the qualitative analysis of binary mixture of organic compounds through separation, identification of functional groups and preparation of solid derivatives.	100
Physical Chemistry Practicals	**21CHB 53**	CO1	After the completion of this course, the students can able to develop the experimental skill and theoretical interpretation of experimental results of many physical chemistry experiments of chemical kinetics in solution phase, thermodynamics, electrochemistry and spectrophotometry.	100
		CO2	This helps in academics, research and industries.	100
Advanced Inorganic	**21CHC**	CO1	Fundamental concepts of organometallic chemistry and synthesis, structure and bonding in different organometallics and their applications.	90

Chemistry	10	CO2	Homogeneous and heterogeneous catalysts and their applications in the synthesis of organic compounds in industries.	100
		CO3	Chemistry of main group elements, metal clusters, silicates and silicones and their applications in day-to-day life.	90
Organometallic and Photochemistry	21CHC 11	CO1	Basic concepts of photochemistry and pericyclic reactions and their usefulness in the synthesis of many organic compounds.	100
		CO2	Synthesis of organic compounds using different organometallic compounds as catalysts.	73
		CO3	Asymmetric synthesis of organic compounds using chiral compounds.	100
Advanced Physical Chemistry	21CHC 12	CO1	Applications of reaction kinetics help in correlating the rates of biological and chemical reactions.	100
		CO2	Theory and applications of electrochemical systems helps in the field of e-waste management and protection of metals.	100
		CO3	Fundamentals of X-ray crystallography and structural interpretation by various X-ray diffraction techniques.	100
Chemical Spectroscopy	21CHC 13	CO1	Understand the spectroscopic techniques such as NMR, IR, UV, and MS for recording and interpretation of spectra.	33
		CO2	Understand the characterization of chemical compounds.	39
		CO3	To learn electric and magnetic properties of radiation, molecules and bulk matter and solve the problems related to these properties.	100
		CO4	Understanding various fragmentation reactions of organic molecules.	100
		CO5	Predict the NMR, IR, UV, and MS spectra from a given molecular structure, including fragment-ions in MS.	100
Analytical Chemistry Practicals	21CHC 50	CO1	Get experience on analysis of various complex mixtures by following multistep reactions.	100
		CO2	Acquire the knowledge on handling instruments and to overcome the general problems arises during the analysis.	100
		CO3	Acquire industrial skills required for sampling, analytical and interpretation and presentation of results.	100
		CO4	Possess adequate knowledge on literature search for developed analytical methods.	100
Inorganic	21CHC	CO1	Determination of alloy samples and understanding the electrochemical	100

Chemistry Practicals	**51**		deposition of metals.	
		CO2	Preparation and characterization of coordination compounds.	**100**
		CO3	Determination of composition, stability constant and magnetic susceptibility of metal complexes.	**100**
Organic Chemistry Practicals	**21CHC 52**	CO1	The isolation of caffeine, carotene, lycopene, cincole, azelaic acid and piperine from respective natural sources.	**100**
		CO2	Estimation of ketones, sugars, nitro and amino groups in natural products.	**100**
		CO3	Interpret UV, IR, NMR and MS data of different organic compounds.	**100**
Physical chemistry practical	**21CHC 53**	CO1	Students can able to develop experimental skill and interpretation of plausible mechanisms of reactions.	**100**
		CO2	Gain practical knowledge on the theoretical basis of electrochemistry, thermodynamics, and spectrophotometry experiments.	**100**
		CO3	This helps in academics, research and industries.	**100**
Bioinorganic Chemistry	**21CHD 10**	CO1	Structural building blocks of proteins, nucleic acids and their metal ion interactions. Biological role of Na/K channel, Ca, Vit B12, andcoenzymes.	**100**
		CO2	Biochemical reactions of several metallo-enzymes and oxygen transport proteins.	**90**
		CO3	Medicinal applications of metals and metal complexes, and also treatment of toxicity due to heavy metalions.	**100**
Heterocyclic and Bioorganic Chemistry	**21CHD 11**	CO1	Structure, reactivity and synthesis of several heterocyclic compounds.	**100**
		CO2	Synthesis, industrial and biological importance of carbohydrates.	**70**
		CO3	General synthesis of amino acids, peptides, nucleic acids and their biological	**100**
Nuclear, Radiation and Photochemistry	**21CHD 12**	CO1	Understand the principles of photochemistry,its experimental techniques and applications.	**100**
		CO2	Fundamentals of radiation chemistry, experimental methods of detection of radiation and applications ofradioisotopes	**100**
		CO3	General aspects of nuclear chemistry, different types of nuclear reactions, production and separation of radioisotopes and also basic features of different types of nuclearreactors.	**100**
Instrumental Methods of	**21CHD**	CO1	Gain the knowledge on the differences between classical and instrumental methods of chemical analysis.	**73**

Analysis	**13**	**CO2**	Explain different types of instrumental methods employed in chemical analysis.	30
		CO3	Develop an understanding of the range and theories of instrumental methods available in analytical chemistry.	30
		CO4	Make clear distinctions among spectrometric, electro-analytical, thermal and microscopic methods.	100
		CO5	Gain knowledge pertaining to the appropriate instrumental techniques.	33
		CO6	Obtain the practical experience in selected instrumental methods of analysis.	45
		CO7	Develop the skills on instrumental methods for planning, developing, conducting, reviewing, conducting experimentsand reporting results.	100
Analytical Chemistry Practicals	**21CHD 50**	**CO1**	Get experience on analysis of various complex mixtures by following multistep reactions.	100
		CO2	Acquire the knowledge on handling instruments and to overcome the general problems arises during the analysis.	100
		CO3	Acquire industrial skills required for sampling, analytical and interpretation and presentation of results.	100
		CO4	Possess adequate knowledge on literature search for developed analytical methods.	100
Inorganic Chemistry Practicals	**21CHD 51**	**CO1**	Determination of alloy samples and understanding the electrochemical deposition of metals.	100
		CO2	Preparation and characterization of coordination compounds.	100
		CO3	Determination of composition, stability constant and magnetic susceptibility of metal complexes.	100
Organic Chemistry Practicals	**21CHD 52**	**CO1**	The isolation of caffeine, carotene, lycopene, cincole, azelaic acid and piperine from respective natural sources.	100
		CO2	Estimation of ketones, sugars, nitro and amino groups in natural products.	100
		CO3	Interpret UV, IR, NMR and MS data of different organic compounds.	100
Physical Chemistry Practical	**21CHD 53**	**CO1**	Students can able to develop experimental skill and interpretation of plausible mechanisms of reactions.	100
		CO2	Gain practical knowledge on the theoretical basis of electrochemistry, thermodynamics, and spectrophotometry experiments.	100
		CO3	This helps in academics, research and industries.	100

1. **Direct Assessment:**

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
21CHA10	100	95.8	76.19	96.3	93.3	76.7	93.3	93.9		71.11	95.8	88.9
21CHA11	78.23	100	98.23	100	100	98.2	100	100		98.23	78.23	100
21CHA12	100	100	100	100	100	98	100	100	90	100	78	33
21CHA13	100	95.8	76.2	96.3	93.3	76.7	93.3	93.9		71.1	95.8	88.9
21CHA50	100	100	100	100	100	100	100	100		100	100	100
21CHA51	98.23	98.2	100	98.2	100	100	98.2	100		98.2	98.2	98.23
21CHA52	100	100	100	100	100	100	100	100		100	100	100
21CHA53	100	100	100	100	100	100	100	100		100	100	100
21CHB10	100	100	100	100	90	100	100	100	100	100	100	100
21CHB11	71.429	66.7	66.67	71.4	60	71.4	60	83.3		60		
21CHB12	100	100	100	100	100	100	100	100		100	100	100
21CHB13	100	100	100	100	90	100	100	100	100	100	100	100
21CHB50	100	100	100	100	100	100	100	100		100	100	100
21CHB51	97.82	97.8	98.2	97.8	100	97.8	97.8	100		97.82	97.8	97.82
21CHB52	100	100	100	100	100	100	100	100		100	100	100
21CHB53	100	100	100	100	100	100	100	100		100	100	100
21CHC10	100	93	91	100	84	100	93	100		93	93	100
21CHC11	100	100	66	100	100	100	76	66		100	100	100
21CHC12	100	100	100	100	100	100	100	100	100	100	33	50
21CHC13	100	100	100	100	100	100	100	100		100	100	100
21CHC50	100	100	100	100	100	100	100	100		100	100	100
21CHC51	100	100	100	100	100	100	100	100		100	100	100
21CHC52	97.82	97.8	98.2	97.8	100	97.8	97.8	100		97.82	97.8	97.82
21CHC53	100	100	100	100	100	100	100	100		100	100	100
21CHD10	82.857	82.8	82.67	82.9	82.7	82.9	82.5	83		84.167	83	83.8
21CHD11	100	98.2	0	100	98.2	98.2	100	98.2		100	100	98.2
21CHD12	100	100	100	100	100	90	100	100	90	80	78	33

21CHD13	100	100	100	100	100	100	100	100		100	100	50
21CHD50	100	100	100	100	100	100	100	100		100	100	100
21CHD51	97.82	97.8	98.2	97.8	100	97.8	97.8	100		97.82	97.8	97.82
21CHD52	100	100	100	100	100	100	100	100		100	100	100
21CHD53	100	100	100	100	100	100	100	100		100	100	100
Average	97.63	97.62	92.24	98.08	96.61	96.42	96.55	97.45	96.00	95.29	94.40	90.89
Av*0.8	78.11	78.10	73.79	78.46	77.29	77.14	77.24	77.96	76.80	76.23	75.52	72.71

2. Indirect Assessment

Response by	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**	**PSO6**	**PSO7**
Students	100	100	100	100	100	100	100	100	100	100	100	100
Teachers	100	100	100	100	100	100	100	100	100	100	100	100
Parents	100	100	100	100	100	100	100	100	100	100	100	100
Alumni	100	100	100	100	100	100	100	100	100	100	100	100
Employers	100	100	100	100	100	100	100	100	100	100	100	100
Average	100	100	100	100	100	100	100	100	100	100	100	100
Av*0.2	20	20	20	20	20	20	20	20	20	20	20	20

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: PG Mathematics
Programme Name: M.Sc.,   **Programme Code:**
Session/Year:2021-22
List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	To move away from the conventional pedagogy of teaching mathematics	81.62
PO2	To include methods of facilitating learning such as projects, group work and participative learning	78.34
PO3	To Innovate, invent and solve complex mathematical problems using the knowledge of pure and applied mathematics	75.69
PO4	To impart knowledge of some basic concepts and principles of the discipline	84.6
PO5	To establish inter-disciplinarily between mathematics and other subjects from Humanities and the Social Sciences.	76.71
PO6	To provide in-service training for school teachers. To learn to apply mathematics to real life situations and help in problem solving	80.22
PSO1	Explain the importance of mathematics and its techniques to solve real life problems and provide the limitations of such techniques and the validity of the results	81.61
PSO2	Propose new mathematical and statistical questions and suggest possible software	79.45
PSO3	Continue to acquire mathematical and statistical knowledge and skills appropriate to	75.7
PSO4	Ability to use computer calculations as a tool to carry out scientific investigations and	79.94
PSO5	Crack lectureship and fellowship exams approved by UGC like CSIR – NET and SLET.	83.88
PSO6	Apply knowledge of Mathematics, in all the fields of learning including higher research and its extensions.	85.97

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: Algebra-I   **Course Code:MAA010**
Name of Course In-charge/Coordinator: Dr. N. Ravikumar

List of COs

CO ID	CO Statement	%Attainment
CO1	Define and interpret the concepts of divisibility, congruence, greatest common divisor, prime, and prime-factorization and Apply the Law of Quadratic Reciprocity	90
CO2	To analyze and demonstrate examples of subgroups, normal subgroups and quotient groups.	100
CO3	Assess properties implied by the definitions of groups and To use the concepts of isomorphism and homomorphism for groups	80
CO4	Analyze Permutation groups and the Class Equation and Sylow theorems	90
CO5	To demonstrate knowledge of conjugates.	80

Course Title: Real Analysis-I   **Course Code:MAA020**
Name of Course In-charge/Coordinator: Dr. VEENA.C.R

CO ID	CO Statement	%Attainment
CO1	Understand the characteristics of extended real number system, the n-dimensional Euclidean space	100
CO2	Study the details of inequalities and its applications	90
CO3	Learn the characteristics of sequences and Cauchy's sequences ,upper and lower limits	90
CO4	Understand the details of series of real numbers ,tests for convergence	80
CO5	Learn in detail with examples-multiplication of series, double series, infinite products	80

Course Title: Real Analysis-II **Course Code:MAA030**
Name of Course In-charge/Coordinator: Dr. Shilpa N

CO ID	CO Statement	%Attainment
CO1	Deliberate in depth the basic topological properties of the subsets of the real numbers	80
CO2	Understand in details with examples, Continuity of functions	80
CO3	Deliberate the details of Differentiability, mean value theorems	90
CO4	Learn the details of The Riemann-Stieltje's integral	90
CO5	Identify in detail Integration and differentiation with examples.	100

Course Title: Complex Analysis-I **Course Code:MAA040**
Name of Course In-charge/Coordinator: Dr. Veena C R

CO ID	CO Statement	%Attainment
CO1	Understand the characteristics of represent complex numbers algebraically and geometrically, Study stereographic projection	100
CO2	Understand the characteristics lines and circles	90
CO3	Study the characteristics of analytic functions, Cauchy-Riemann equations and harmonic functions	80
CO4	Learn in depth sequences and series , uniform convergence of power series and entire functions	100
CO5	Learn in detail with examples-linear fractional transformations, cross ratio, symmetry, confirmal mapping, evaluate definiteintegrals	90
CO6	Understand different types of Cauchy theorems and Cauchy integral formula and apply these to evaluate integrals	90

Course Title: Linear Algebra　　　　　　　　　　　　　　**Course Code:MAA210**
Name of Course In-charge/Coordinator: Dr. Shilpa N

Linear Algebra	CO1	Learn in depth Vector Spaces, Subspaces	80
	CO2	Understand the classification and characteristics of Determinants	90
	CO3	Learn in details Inner Products and Norms with examples	100
	CO4	Deliberate the details of normal and Self-Adjoint Operators	80
	CO5	Analyse the classification and characteristics of The Diagonal form, The Triangular form and its applications	90

Course Title: Algebra -II　　　　　　　　　　　　　　**Course Code:MAB010**
Name of Course In-charge/Coordinator: Dr. Shilpa N

Algebra II	CO1	Assess properties implied by the definitions of rings	100
	CO2	Analyze and demonstrate examples and properties of ideals and quotient rings	90
	CO3	Demonstrate knowledge of polynomial rings and associated properties	90
	CO4	Derive and apply Gauss Lemma, Eisenstein criterion for irreducibility of rationals with examples	80
	CO5	Understand the characteristic of a field and the prime subfield	90

Course Title: Real Analysis -III　　　　　　　　　　　　**Course Code:MAB020**
Name of Course In-charge/Coordinator: Dr. Shilpa N

Real Analysis III	CO1	Deliberate in details with examples Sequences and series of functions	100
	CO2	Understand the characteristics of Uniform convergence continuity,differentiation and integration with examples	80
	CO3	Identify in details with examples Improper integrals and their convergence	90
	CO4	Understand in depth Functions of several variables	80
	CO5	Specify the details of Taylor's theorem, the Maxima and Minima	90

Course Title: Complex Analysis -II   **Course Code:MAB030**
Name of Course In-charge/Coordinator: Dr.Veena C R

Complex Analysis-II	CO1	Understand in details with application-the residue theorem, evaluation of definite integrals	100
	CO2	Understand in details with properties of harmonic functions	90
	CO3	Understand in depth of power series expansions, Weierstrass theorem	80
	CO4	Learn in detail with examples-partial fractions, study the characteristics of infinite products, canonical products	90
	CO5	Study the characteristics of the gamma and beta functions, and entire functions	100

Course Title: Ordinary and Partial Diffrential Equations   **Course Code:MAB210**
Name of Course In-charge/Coordinator: Dr. N Ravikumar

ODPDE	CO1	Solve problems in ordinary differential equations, dynamical systems, stability theory and a number of applications to scientific and engineering problems	100
	CO2	The study of Differential focuses on the existence and uniqueness of solutions also emphansizes the rigorous ustification of methods for approximating solutions in pure and applied mathematics by using power sreies method some polyniomals.	80
	CO3	Recognize the major classification of PDEs and the qualitative differences between the classes of equations	90
	CO4	Be competent in solving linear PDEs using classical solution methods.	90
	CO5	Theory of differential equations is widely used in formulating many fundamental	80
		laws of physics and chemistry.	

Course Title: Graph Theory   **Course Code:MAB230**
Name of Course In-charge/Coordinator: Dr.Veena C R

Graph theory	CO1	Construct examples and proofs pertaining to the basic theorems	80
	CO2	Understand the characteristics of external graphs, intersection graphs, operations on graph	100
	CO3	Write down in detail with examples of cut points, bridges, blocks and block graph	90
	CO4	Specify the characteristics of trees, centers, and centroids, spanning tree	100
	CO5	Identify the details of connectivity and the line connectivity, coverings, independence	80

Course Title: Elements of Functional Analysis   **Course Code:MAC010**
Name of Course In-charge/Coordinator: Dr.N Ravi kumar

Elements Functional Analysis	CO1	Explain the fundamental concepts of functional analysis.	100
	CO2	Understand the approximation of continuous functions on linear spaces	90
	CO3	Understand concepts of Hilbert and Banach spaces	80
	CO4	Understand the definitions of linear functional and prove the Hahn-Banach theorem, open mapping theorem, uniform boundedness theorem, etc.	90
	CO5	Define linear operators, self adjoint, isometric and unitary operators on Hilbert spaces	80

Course Title: Topology-I   **Course Code:MAC020**
Name of Course In-charge/Coordinator: Dr.Veena C R

Topology-I	CO1	Deliberate in details with applications, topological spaces, basis for a topology, the order topology, subspace topology and product topology	80
	CO2	Learn in depth with closed set and limit point, continuous functions(defined in terms of open sets)	80
	CO3	Learn in details with examples-the product topology ,metric topology, quotient topology	90
	CO4	Understand in depth connected spaces , connected sets on the real line , path connectedness	100
	CO5	Deliberate the characteristics of compact spaces, compact sets on the real line, limit point compactness, local compactness	90

Course Title: Commutative Algebra   **Course Code:MAC210**

Name of Course In-charge/Coordinator: Dr.Shilpa N

Commutative Algebra	CO1	Understand in depth commutative ring and local rings with examples	100
	CO2	Learn the characteristics of Nil radical and Jacobson radical and prime spectrum of a ring	80
	CO3	Understand the characteristics of Noetherian and Artinian module	90
	CO4	Identify in details with examples Free modules, Finitely generated modules, Simple modules, Exact sequences of modules	80
	CO5	Specify the characteristics of Noetherian rings and Artinian rings	90

Course Title: Theory of Numbers   **Course Code:MAC220**
Name of Course In-charge/Coordinator: Dr.N Ravikumar

Theory of Numbers	CO1	Know the diophantine equations, prime numbers, irrational numbers and prime-factorization	90
	CO2	Define and interpret the concepts of Arithmetical Functions and Dirichlet product of Arithmetical functions	80
	CO3	Provide precise definitions and appropriate examples and counter examples of Representation of a number by two or four squares, Fibonnaci and perpect number	90
	CO4	Know the continued fractions	100

Course Title: Basic Mathematics   **Course Code:MACC660**
Name of Course In-charge/Coordinator: Asha

Basic Mathematics	CO1	Write an argument using logical notation and determine if the argument is or is not valid	80
	CO2	Identify sets as well defined collections, represents sets in roster and set builder form,	100
	CO3	CO3 Identify the subsets of the given sets, find the complement of a subset of a given Set, within a given universe. Represent venn diagram using sets.	100
	CO4	Use the simple method to solve small linear programming models by hands, given a basic feasible point	90
	CO5	Understand the definitions of graphs, path, connectedness, cut vertex, bridge, blocks of a graph.	80
	CO6	Study the properties of trees and matrix of a graph	90

Course Title: Measure and Integration   **Course Code:MAD010**
Name of Course In-charge/Coordinator: Dr Shilpa N

Measure and Integration	CO1	Understand in details with examples Lebesgue measure, outer measure	100
	CO2	Learn the characteristics of measurable sets and measurable functions	90
	CO3	Deliberate in details with examples of Integration of measurable functions	90
	CO4	Learn in details with examples, functions of bounded variation, differentiation of an integral, absolute continuity	80
	CO5	Understand in depth the general measure theory	90

Course Title: Topology-II   **Course Code:MAD020**
Name of Course In-charge/Coordinator: Dr.Veena C R

Topology-II	CO1	Deliberate the classification and characteristics of the countability axioms , the separation axioms	90
	CO2	Understand the details of Urysohn's lemma , Tietze's extension theorem, partitions of unity	90
	CO3	Discuss Tychonoff's theorem, local finiteness, Paracompactness	80
	CO4	Familiar with the construction of the fundamental group of a topological space and applications to covering spaces	80

Course Title: Differential Geometry   **Course Code:MAD230**
Name of Course In-charge/Coordinator: Dr.N Ravikumar

Differential Geometry	CO1	To introduce the fundamentals of differential geometry primarily by focussing on the theory of curves and surfaces in three space.	100
	CO2	To compute quantities of geometric interest such as curvature, as well as develop a facility to compute in various specialized systems	90
	CO3	The theory of surfaces introduces the fundamental quadratic forms of a surface, intrinsic and extrinsic geometry of surfaces, and the Gauss theorem	90
	CO4	Introduce the method of the moving frame and overdetermined systems of differential equations as they arise in surface theory.	80

Course Title: Theory of Partitions   **Course Code:MAD220**
Name of Course In-charge/Coordinator: Dr.N Ravikumar

Theory of Partitions	CO1	Know the definitions of partitions , Euler's theorem on p(n)	100
	CO2	CO2 Apply the q-binomial theorem and Ramanujan $_1\psi_1$ - summation formula	80
	CO3	Know the congruence of partition	90
	CO4	To apply the q-series	90

Department: PG
Programme Name: Computer Science　　　　　　**Programme Code: MCSC01**
Session/Year - 2021-22
List of POs & PSOs

POID	PO Statement	% Attainment (Overall)*
PO1	Identify, formulate, and solve computer science problems	**60.22**
PO2	Design, implement, test, and evaluate a computer system, component, or algorithm to meet desired needs	**57.33**
PO3	Receive the broad education necessary to understand the impact of computer science solutions in a global and societal context	**67.56**
PO4	Communicate effectively	**58.67**
PO5	Success in research or industry related to computer science	**51.78**
PSO1	Programmers or the Software Engineers with the sound knowledge of practical and theoretical concepts for developing software.	**67.11**
PSO2	Serve as the Computer Engineers with enhanced knowledge of computers And its building blocks. Work as the Hardware Designers/Engineers with the knowledge of Networking Concepts.	**64.44**
PSO3	Work as the System Engineers and System integrators Serve as the System Administrators with thorough knowledge of DBMS.	**75.56**
PSO4	Work as the Support Engineers and the Technical Writers	**66.89**
PSO5	Work as IT Sales and Marketing person.	**59.22**
PSO6	Serve as the IT Officers in Banks and cooperative societies.	**60.89**
PSO7	Computer Scientist in research and R & D laboratories.	**54.67**

Course Title: DATA STRUCTURES & ALGORITHMS
Course Code: CSA100
Name of Course In-charge/Coordinator: Mrs. Apoorva S
List of COs

CO ID	CO Statement	%Attainment
CO1	Select appropriate data structures as applied to specified problem definition.	100
CO2	Implement operations like searching, insertion, and deletion, traversing mechanism etc. on various data structures.	100
CO3	Implement Linear and Non-Linear data structures.	100
CO4	Implement appropriate sorting/searching technique for given problem.	100
CO5	Design advance data structure using Non Linear data structure.	100

Course Title: System Software   **Course Code:CSA110**
Name of Course In-charge/Coordinator: Mrs.Mamatha N
List of COs

CO ID	CO Statement	%Attainment
CO1	Understand fundamentals of language processing and grammar	100
CO2	Apply knowledge of compilation and code optimization steps to mimic a simple compiler	100
CO3	Demonstrate the working of various system software like assembler, loader, linker, editor and device driver	100

Course Title: Computer Networks   **Course Code: CSA120**
Name of Course In-charge/Coordinator: Mrs.Geethanjali R
List of COs

CO ID	CO Statement	%Attainment
CO1	Master the terminology and concepts of the OSI reference model and the TCP-IP reference model.	100
CO2	Study the basic taxonomy and terminology of the computer networking and enumerate the layers of OSI model and TCP/IP model.	100
CO3	Master the concepts of protocols, network interfaces, and design/performance issues in local area networks and wide area networks	100
CO4	Acquire knowledge of Application layer and Presentation layer paradigms and protocols.	100
CO5	Study Session layer design issues, Transport layer services, and protocols.	100

Course Title: Discrete Mathematics   **Course Code:CSA260**
Name of Course In-charge/Coordinator : Smt. Sumanashree Y S
List of COs

CO ID	CO Statement	%Attainment
CO1	Construct simple mathematical proofs and possess the ability to verify them.	100
CO2	Have substantial experience to comprehend formal logical arguments .	100
CO3	Skillfull in expressing mathematical properties formally via the formal language of propositional logic and predicate logic.	90
CO4	Specify and manipulate basic mathematical objects such as sets, functions, and relations and will also be able to verify simple mathematical properties that these objects possess.	100
CO5	Apply basic counting techniques to solve combinatorial problems .	100

Course Title: Java Programming   **Course Code:CSA270**
Name of Course In-charge/Coordinator: Mrs.Mamatha N
List of COs

CO ID	CO Statement	%Attainment
CO1	Understand concept of Object Oriented Programming & Java Programming	100
CO2	Understand basic concepts of Java such as operators, classes, objects, inheritance, packages ,Enumeration and various keywords.	100
CO3	Understand the concept of exception handling and Input/Output operations.	100
CO4	Design the applications of Java & Java applet.	100
CO5	Analyze & Design the concept of Event Handling and Abstract Window Toolkit.	100

Course Title: Analysis and Design of Algorithms   **Course Code:CSB060**
Name of Course In-charge/Coordinator: Mrs.Mamatha N

List of COs

CO ID	CO Statement	%Attainment
CO1	Analyze different scenarios for running time of algorithms using asymptotic notations and Design using Recursion.	100
CO2	Apply divide and conquer strategy for design of various algorithms.	100
CO3	Develop algorithms for well known problems using greedy methods.	100
CO4	Describe and apply dynamic-programming approach for designing graph and matrix based algorithms.	100
CO5	Understand the concept of backtracking for traversal and search algorithms.	100

Course Title: Operating System and UNIX   **Course Code:CSB070**
Name of Course In-charge/Coordinator: Mr.Dhruvakumar

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand device drivers	100
CO2	Write applications with improved performance and stability	100
CO3	Write set of small commands and utilities that do specific tasks well	100
CO4	Run multiple programs each at the same time without interfering with each other or crashing the system.	100
CO5	Implement Commands of UNIX.	100

Course Title:Computer Graphics   **Course Code: CSB080**
Name of Course In-charge/Coordinator: Mrs.Sumanashree Y S

List of COs

CO ID	CO Statement	%Attainment
CO1	Utilize the components of a graphics system and become familiar with building approach of graphics system components and algorithms related with them.	100
CO2	Learn the basic principles of 3- dimensional computer graphics.	100
CO3	Provide an understanding of how to scan convert the basic geometrical primitives, how to transform the shapes to fit them as per the picture definition.	100
CO4	Provide an understanding of mapping from a world coordinates to device coordinates, clipping, and projections	100
CO5	Implement the applications of computer graphics concepts in the development of computer games, information visualization, and business applications	100

Course Title: Graph Theory   **Course Code:** CSB270
Name of Course In-charge/Coordinator: Mrs.Sumanashree Y S

List of COs

CO ID	CO Statement	%Attainment
CO1	Explain basic concepts in combinatorial graph theory	100
CO2	Define how graphs serve as models for many standard problems	100
CO3	Discuss the concept of graph, tree, Euler graph, cut set and Combinatorics.	100
CO4	See the applications of graphs in science, business and industry.	100

Course Title: .NET Technologies   **Course Code:** CSB280
Name of Course In-charge/Coordinator: Mr. Santhosh

List of COs

CO ID	CO Statement	%Attainment
CO1	Design web applications using .NET	100
CO2	Use .NET controls in web applications.	100
CO3	Debug and deploy .NET web applications	100
CO4	Create database driven .NET web applications and web services	100
CO5	Analyze & Design the concept of Event Handling and Abstract Window Toolkit.	100

Course Title: Software Engineering　　　　　　　　　**Course Code: CSC040A**
Name of Course In-charge/Coordinator: Mrs.Sumanashree Y S

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the nature of software development and software life cycle process models, agile software development, SCRUM and other agile practices.	90
CO2	Learn methods of capturing, specifying, visualizing and analyzing software requirements.	100
CO3	Understand concepts and principles of software design and user-centric approach and principles of effective user interfaces.	100
CO4	Basics of testing and understanding concept of software quality assurance and software configuration management process.	100
CO5	Understand need of project management and project management life cycle.	100

Course Title: Database Management System　　　　　**Course Code: CSC060A**
Name of Course In-charge/Coordinator: Mrs.Mamatha N
List of COs

CO ID	CO Statement	%Attainment
CO1	Explain the features of database management systems and Relational database.	100
CO2	Design conceptual models of a database using ER modelling for real life applications and also construct queries in Relational Algebra.	100
CO3	Create and populate a RDBMS for a real life application, with constraints and keys, using SQL.	100
CO4	Retrieve any type of information from a data base by formulating complex queries in SQL.	100
CO5	Analyze the existing design of a database schema and apply concepts of normalization to design an optimal database.	100

Course Title: Theory of Languages   **Course Code: CSC070A**
Name of Course In-charge/Coordinator: Mrs.Apoorva S

List of COs

CO ID	CO Statement	%Attainment
CO1	Design different types of Finite Automata and Machines as Acceptor, Verifier and Translator.	100
CO2	Understand, design, analyze and interpret Context Free languages, Expression and Grammars.	100
CO3	Design different types of Push down Automata as Simple Parser.	100
CO4	Design different types of Turing Machines as Acceptor, Verifier, Translator and Basic computing machine	100

Course Title: Computer Fundamentals   **Course Code: CSC630**
Name of Course In-charge/Coordinator: Mrs.Geethanjali R
 List of COs

CO ID	CO Statement	%Attainment
CO1	. Use technology ethically, safely, securely, and legally.	100
CO2	. Identify and analyze computer hardware, software, and network components	100
CO3	. Design basic business web pages using current HTML/CSS coding standards	100
CO4	. Install, configure, and remove software and hardware.	100

Course Title: Data Mining   **Course Code:CSD230A**
Name of Course In-charge/Coordinator: Mrs.Mamatha .N

List of COs

CO ID	CO Statement	%Attainment
CO1	Demonstrate an understanding of the importance of data mining and the principles of business intelligence	100
CO2	Organize and Prepare the data needed for data mining using pre -processing techniques	100
CO3	Perform exploratory analysis of the data to be used for mining.	100
CO4	Implement the appropriate data mining methods like classification, clustering or Frequent Pattern mining on large data sets.	100
CO5	Define and apply metrics to measure the performance of various data mining algorithms.	100

Course Title: Internet Technology   **Course Code:CSD220 A**
Name of Course In-charge/Coordinator: Mrs. Apoorva S

List of COs

CO ID	CO Statement	%Attainment
CO1	Develop analytical ability in network technology	
CO2	Create quality websites	100
CO3	Work individually as a web designer and set up their own business	100
CO4	Get the job opportunities in most companies for professional web designers and build websites more visually elegant and interactive	100
CO5	Implement interactive web page(s) using HTML, CSS and JavaScript.	100

PO M.SC. BOTANY (2021-2022)

Lists and Attainment of PO, PSO and COs

Sl. No.	POID	PO	ATTAINMENT
1	BOT20PO1	Conductinvestigationsofcomplexproblemsbytheuse of research-based knowledge on an independent term project.	78.74
2	BOT20PO2	Transferofappropriateknowledgeandmethodsfromonetopictoanotherwithin thesubject.	88.62
3	BOT20PO3	Carryoutpracticalwork,inthefieldand inthelaboratory,withminimalrisk.	84.73
4	BOT20PO4	Able to think logically and organize tasks into a structured form and assimilate knowledge and ideasbased on wide reading of text booksand throughthe internet.	88.30
5	BOT20PO5	Apply the scientific knowledge of basic science,lifesciences and fundamental process of plants to study and analyze any plant form.	90.03
6	BOT20PO6	Knowledge and understanding of the range of plant biologyin terms of structure, function and environmentalrelationships.	87.83
7	BOT20PO7	Apply reasoning informed by the contextual knowledge to assess plantdiversity, and the consequent responsibilities relevant to the biodiversity conservation Practice.	78.01

Sl. No.	COURSE	PSOID	PSO	ATTAINMENT
1.	AlgalBiologyand Biotechnology	BOA230	Phylogeny,thallusorganization,economicand ecologicalimportanceofalgal community	91.52
2.	BiochemistryandPlant Physiology	BOC030	Biomolecules,metabolic pathwaysandstress physiologyinplants	98.18
3.	CellBiologyandGenetics	BOB020	CelloriginalsandMendelianprinciples	91.52
4.	Ecology,Conservation Biology andPhytogeography	BOD010	Diversityofvegetation, distributionand its conservation	90.00
5.	EconomicBotany	BOB220	Economicvaluesofdifferentcropplantsand their applications	90.30
6.	MajorProject	BOD020	Hands on experience in various fields of plant science	96.67
7.	MolecularBiology	BOC040	Molecularlevelorganization in prokaryotesand eukaryotes with respect to various mechanisms involved	89.09
8.	PlantAnatomyand Histochemistry	BOB210	Anatomicalfeaturesand organizationofcellsin plants	90.00
9.	PlantBreedingand Evolutionary Biology	BOB030	Plantbreedingmethods, proceduresandtheir applicationforcropimprovement	90.91
10.	PlantBiotechnology	BOC050	Tissueculturetechniques and itsapplication in developmentofresistant varieties	90.61
11.	PlantPropagationandPlant Breeding	BOC230	Propagationmethodsandplantbreedingprocedures and theirapplicationindifferentfields	91.21
12.	PlantPropagation Techniques	BOC640	Propagationmethodsand proceduresandtheir applicationindifferentfields	90.91
13.	Phycology,Bryophytes, PteridophytesandGymnosperms	BOA050	Distribution,classification andphylogenyofflower plant communities	90.00
14.	Phytopathology	BOA240	Conceptsofplantdiseases defensemechanismsin plantsandstudyofplantdiseases	91.52
15.	ReproductiveBiologyof Angiosperms and Plant Morphogenesis	BOB010	Embryologicalstudy ofgrowth and development using plant models	91.52
16.	SeedTechnology	BOD210	Industrialscaleprocessing ofseedsuptomarketing	90.91

| 17. | SystematicsofAngiosperms | BOA060 | Angiospermicplantfamily studywiththeir phylogeny | 95.76 |
| 18. | Virology,Bacteriology, MycologyandPlantPathology | BOA040 | Diversity,distribution ofmicroorganismwithrespecttotheireconomicaspects | 96.97 |

Sl. No.	COURSE	COID	CO	ATTAINMENT
1.	AlgalBiologyand Biotechnology	BOA2301	Specifyindepthofthallusorganizationand phylogenyinalgae	100
2.	AlgalBiologyand Biotechnology	BOA2302	Understand the detailsof toxins, blooms and distributions of algae	100
3.	AlgalBiologyand Biotechnology	BOA2303	Deliberateindepthaboutcultivationand marketingalgae	100
4.	AlgalBiologyand Biotechnology	BOA2304	SpecifythedetailsofAlgalproductsanduses	100
5.	BiochemistryandPlant Physiology	BOC0301	Learnindetailswithbiomoleculesandtheir function	100
6.	BiochemistryandPlant Physiology	BOC0302	Understandindepthaboutsolutetransport andphotosynthesisinplants	100
7.	BiochemistryandPlant Physiology	BOC0303	Specifythe details ofmetabolism of nitrogen, lipids and plant hormones	100
8.	BiochemistryandPlant Physiology	BOC0304	UnderstandindepthaboutStressphysiology	100
9.	CellBiologyandGenetics	BOB0201	Learnindetailaboutcell membranestransport andproteins	100
10.	CellBiologyandGenetics	BOB0202	DeliberatetheFunctions ofcell organelles, programedcelldeath	100
11.	CellBiologyandGenetics	BOB0203	Specifytheextensions ofMendelianprinciples	100
12.	CellBiologyandGenetics	BOB0204	LearnaboutSexdeterminationand dosagecompensation	100
13.	Ecology, conservation Biology and Phytogeography	BOD0101	Understandthediversity of ecosystemand types ofecosystems	100

14.	Ecology, conservation Biology and Phytogeography	BOD0102	Learn the in details ofpollutionand environmental biology	100
15.	Ecology, conservation Biology and Phytogeography	BOD0103	Study the importance of biodiversityand conservation biology	100
16.	Ecology, conservation Biology and Phytogeography	BOD0104	Detailed study ofphytogeography and crop distribution	100
17.	EconomicBotany	BOB2201	Specifythedetailsofcereals,millets,pulses, oil yielding plants andstudy of horticultural plants and floriculture	100
18.	EconomicBotany	BOB2202	Deliberatethecharacteristicsofsugar yielding plants,spicesandcondiments	100
19.	EconomicBotany	BOB2203	Understand the importanceoffiber,timberand gumyielding plant	100
20.	EconomicBotany	BOB2204	Deliberateonthemedicinalplantsand their applications	100
21.	MajorProject	BOD0201	Learn the details ofliterature survey and methodology in research	100
22.	MolecularBiology	BOC0401	Identifythecharacteristicsofgenetic materials anditsreplication	100
23.	MolecularBiology	BOC0402	Learn the details ofmolecular basis of mutation, repair and recombination	100
24.	MolecularBiology	BOC0403	Deliberate the details of RNAformation, processing of RNA and post-RNA	100

25.	MolecularBiology	BOC0404	Understand in depth of generegulationin prokaryotes and eukaryotes	100
26.	PlantAnatomyand Histochemistry	BOB2101	Learn in detailsofprimary vegetative body of the plants	100
27.	PlantAnatomyand Histochemistry	BOB2102	Deliberate in details of differentiationin vascular tissues and study of apical meristemsinshootand root	100
28.	PlantAnatomyand Histochemistry	BOB2103	Deliberate thecharacteristicsof secondarygrowth	100
29.	PlantAnatomyand Histochemistry	BOB2104	Understand the details ofplanthistochemistry	100
30.	Plant Breeding and EvolutionaryBiology	BOB0301	Learnindepthabout plantbreedingmethods and techniques	100
31.	Plant Breeding and EvolutionaryBiology	BOB0302	Understandthedetails ofbreedingforspecific purposes	100
32.	PlantBreedingand EvolutionaryBiology	BOB0303	Learnthedetailsof Natureofevolution	100
33.	PlantBreedingand EvolutionaryBiology	BOB0304	Identifythe characteristicsofvariationandspeciation	100
34.	PlantBiotechnology	BOC0501	Understandindepth aboutplanttissueculture andits techniques	100
35.	PlantBiotechnology	BOC0502	Specifythegenetic engineeringandtools usedinit	100
36.	PlantBiotechnology	BOC0503	Understandthedetails of genetic manipulation,transgenic approaches to produce resistant plants	100
37.	PlantBiotechnology	BOC0504	Learn the details of engineering of cropplants for production of secondary metabolites	100

38.	PlantPropagationandPlant Breeding	BOC2301	Learn the details of importance of plant propagation, vegetative propagation and micro propagation	100
39.	PlantPropagationandPlant Breeding	BOC2302	Understandingofbasicconceptsofplant breedingandgenetics	100
40.	PlantPropagationandPlant Breeding	BOC2303	Studytypes,purposesofplantbreeding	100
41.	PlantPropagationandPlant Breeding	BOC2304	Deliberatestudyof advancedbreedingaspects	100
42.	PlantPropagation Techniques	BOC6401	Learn the details of importance of plant propagation	100
43.	PlantPropagation Techniques	BOC6402	Understandin depth abouttypesof vegetative propagation	100
44.	PlantPropagationTechniq ues	BOC6403	Learnthetechniquesofbuddingandlayering	100
45.	PlantPropagation Techniques	BOC6404	Deliberate in details with examples of micro propagation in forestryand horticulture plants	100
46.	Phycology, Bryophytes, Pteridophytes and Gymnosperms	BOA0501	Understandthedetails ofdiversity, distribution, pigmentationand lifecycle of algae	100
47.	Phycology,Bryophytes, Pteridophytesand Gymnosperms	BOA0502	DeliberateindepthofBryophyteslifecycle, classification,phylogeny andEconomic importance	100
48.	Phycology,Bryophytes, Pteridophytesand Gymnosperms	BOA0503	UnderstandthedetailsofPteridophyteslife cycle,phylogeny,classification,economic importance and anatomy	100

49.	Phycology,Bryophytes, Pteridophytes and Gymnosperms	BOA0504	Write down in details with examples Gymnosperms history, reproduction, economic importanceandinterrelationship	100
50.	Phytopathology	BOA2401	Learn the details of the concept,causative agents and disease cycleof plant pathogens	100
51.	Phytopathology	BOA2402	Deliberate the details of defense mechanisms in plants and its genetics	100
52.	Phytopathology	BOA2403	StudyofManagementofplantdiseases	100
53.	Phytopathology	BOA2404	Identify in details withexamples of diseases in crop plants	100
54.	ReproductiveBiologyof AngiospermsandPlant Morphogenesis	BOB0101	Understandingthemicro sporogenesisand historical overview	100
55.	ReproductiveBiologyof Angiosperms and Plant Morphogenesis	BOB0102	Specify in details with examples about mega sporogeneis,fertilization,endosperm and embryo	100
56.	ReproductiveBiologyof Angiosperms and Plant Morphogenesis	BOB0103	Specifythe details ofmodels and concepts of plant morphogenesis	100
57.	ReproductiveBiologyof AngiospermsandPlant Morphogenesis	BOB0104	Understandindetailswithexamplesofplant growthanddevelopment, photo morphogenesis	100
58.	SeedTechnology	BOD2101	Understandtheseed scienceandconcepts	100
59.	SeedTechnology	BOD2102	Study the seedproductionandprocessing methods	100
60.	SeedTechnology	BOD2103	Learnaboutseedqualityparametersandtests	100

61.	SeedTechnology	BOD2104	Deliberatetheprocedureofseedcertification	100
62.	Systematicsof Angiosperms	BOA0601	Understand the principles andapplicationsof Taxonomy of angiosperms	100
63.	SystematicsofAngiosperms	BOA0602	Specifythedetailsoftaxonomicliterature	100
64.	Systematicsof Angiosperms	BOA0603	Deliberateindetails withexamplesDicotand monocotfamilyandfeatures of classification systems	100
65.	Systematicsof Angiosperms	BOA0604	Specify in details molecularsystematics withexamplesofsoftwares and databases	100
66.	Virology,Bacteriology, MycologyandPlant Pathology	BOA0401	Learn the classification andcharacteristics of viruses, viroids, prions and diseases of it	100
67.	Virology,Bacteriology, Mycology and Plant Pathology	BOA0402	Deliberateindetails with examples of Bacteria,archeabacteria, actinomycetesand mycoplasmaanditseconomicimportance	100
68.	Virology,Bacteriology, Mycology and Plant Pathology	BOA0403	SpecifytheFungaldiversity,lifecycleand economic importance of fungi	100
69.	Virology,Bacteriology, MycologyandPlant Pathology	BOA0404	Understandin details of etiology, distribution and management of plant disease	100

COM.SC.BOTANY(2021-2022)

OverallCO,POandPSOAttainment2021-22					
CO ATTAINMENT					
Semester:I					
Course title	**Course Code**	**CO No./Id**	**CO Statement**	**CO Attainment**	**% Attainment**
Biosystematics andNon Chordata	ZOA050	ZOA050.1	Understand the classificationofmajorand minorinvertebratephyla	2.7	90
		ZOA050.2	Givesomeexamplesand basic characteristics of eachphylum	3	100
		ZOA050.3	Understand the evolutionarypathwayand its significance	2.4	80
		ZOA050.4	Adaptivecharactersof animalscomingunder differentinvertebratephyla	2.4	80
Biological Chemistry	ZOA060	ZOA060.1	Identifythefiveclassesof polymeric biomolecules and their monomeric building blocks.	3	100
		ZOA060.2	Explainthespecificityof enzymes (biochemical catalysts), and the chemistryinvolvedin enzyme action.	3	100
		ZOA060.3	Understand types, Structure, biochemical properties,andfunctions of vitamins.	3	100
		ZOA060.4	Explain how the metabolismoforganic compounds leads ultimately to the generation of large quantitiesof ATP.	3	100
Cytogenetics	ZOA070	ZOA070.1	Describethefundamental molecular principles of genetics	2.4	80
		ZOA070.2	Understandthestructure and function of DNA & RNA	3	100

		ZOA070.3	Understand about the transmission, distribution, arrangement,andalteration of genetic information and how it functions and is maintainedinpopulations	3	100
		ZOA070.4	Describethebasics of geneticmapping	3	100
		ZOA070.5	Explainbasicstructureof animalcellandits organelles	2.7	90
		ZOA070.6	Describethefunctionsand organization of cell organelles	3	100
Toolsand Techniquesin Biology	ZOA220	ZOA220.1	Describethemethodology involvedin biotechniques.	3	100
		ZOA220.2	Describetheapplications of bioinstruments	3	100
		ZOA220.3	Demonstrateknowledge and practical skills of using instruments in biologyand medicalfield.	3	100
		ZOA220.4	Perform techniques involved in molecular biologyanddiagnosisof diseases	3	100
		ZOA220.5	Updatecurrentknowledge regarding biomedical engineeringinvolvingnew methodsandthe instrumentation.	3	100
Histologyand Histopathology	ZOA230	ZOA230.1	Understandthe applicationsofdyesandits classification.	3	100
		ZOA230.2	Know the functional morphologyofvarious mammalian organs.	3	100
		ZOA230.3	Imbibetheknowledgeon histochemicaltechniques.	3	100
		ZOA230.4	Describetheetiologyand pathologyoflivercirrhosis and atheroscleorsis.	2.4	80
		ZOA230.5	Explain histopathologyof breastandprostate tumours.	3	100

Semester: II					
Course title	**Course Code**	**CO No./Id**	**CO Statement**	**CO Attainment**	**% Attainment**
Chordata	**ZOB050**	ZOB050.1	Understandthe classification of chordates	3	100
		ZOB050.2	Givesomeexamplesandbasic characteristics of protochordates	3	100
		ZOB050.3	Givesomeexamplesandbasic characteristics of vertebrates	3	100
		ZOB050.4	Understandtheevolutionary pathwayand itssignificance	3	100
		ZOB050.5	Analyzeadaptivecharacters of animals coming under differentvertebrate classes	3	100
Animal Physiology	**ZOB060**	ZOB060.1	Understandthemechanismof transport of molecules, stepwise release of energy, aerobicandanaerobic respiration	2.4	80
		ZOB060.2	Describethephysiologyof digestive and respiratory systemofhumanbeings.	3	100
		ZOB060.3	Understandtheblood composition,types,groups and circulatory system.	3	100
		ZOB060.4	Describe the physiology of excretorysystemandnervous systemofhumanbeings.	3	100
		ZOB060.5	Knowthephysiologyofsense organs, muscles, and reproductivesystem.	3	100
Entomology	**ZOB070**	ZOB070.1	Understand insects encounteredinagricultural fields.	3	100
		ZOB070.2	Envisage an insight on economicallyimportantpests of various foods, fiber and household	3	100
		ZOB070.3	Understandvariousinsect pest managementmethodsandits significance	3	100

		ZOB070.4	Learn to apply various agricultural equipment and understand the effect of chemicals and its dosages in agriculturalpestmanagement	3	100
		ZOB070.5	Learntoapplythepestcontrol methods wisely to minimise ecologicalbacklash	3	100
		ZOB070.6	Discuss the evolutionary significance of insect plant interactionandinsectanimal interaction.	3	100
Developmental Biology	**ZOB220**	ZOB220.1	Understandthemolecular conceptsofdevelopmental biologyduringfertilization	3	100
		ZOB220.2	KnowaboutNobleprize concepts during frog development viz., Nucleocytoplasmic interactions	3	100
		ZOB220.3	Explainon axis development in drosophila	3	100
		ZOB220.4	Describe endocrine and molecular control in metamorphosisofinsectsand amphibians	3	100
		ZOB220.5	Explainthevariousstagesof chickembryonic development	3	100
Immunology	**ZOB230**	ZOB230.1	Outlinethekeycomponentsof theinnateandadaptive immune responses.	3	100
		ZOB230.2	Describeaboutcelltypesand organswhichareinvolvedin an immune response	3	100
		ZOB230.3	Describe the Infectious diseases,hypersensitivity, autoimmune disorders, immunodeficiencydiseases	3	100

Semester: III					
Course title	**Course Code**	**CO No./Id**	**CO Statement**	**CO Attainment**	**% Attainment**
Molecular Biology and Biotechnology	**ZOC040**	ZOC040.1	Knownucleic acids,DNA replicationandits mechanism.	3	100
		ZOC040.2	Understandtranscription andits modifications.	3	100
		ZOC040.3	Explain genetic code, enzymes,factorandthe processoftranslation.	3	100
		ZOC040.4	Analyse gene regulation, lyticandlysogeniccyclesin prokaryotes.	3	100
		ZOC040.5	Understandgeneregulation in eukaryotes.	3	100
		ZOC040.6	Explainmolecular mechanismofDNA damage repair.	2.4	80
Reproductive Biology	**ZOC050**	ZOC050.1	Understandstructureand functionofreproductive organs	3	100
		ZOC050.2	Explainthe structureof reproductivecells	3	100
		ZOC050.3	Describetheroleof internal cuesinreproduction	3	100
		ZOC050.4	Describetheroleof externalfactorsin reproduction	3	100
		ZOC050.5	Analysetheroleof endocrineglandsandtheir secretionsin reproduction	3	100
		ZOC050.6	Identifythe factors affectingfertility	3	100
		ZOC050.7	Knowdifferenttypesof assistedreproductive technologies.	3	100

				3	100
Ecologyand Wildlife	**ZOC060**	ZOC060.1	Demonstrate and Understandecological relationships between organismsandtheir environment.	3	100
		ZOC060.2	Presentanoverviewof diversityoflifeformsinan ecosystem.	3	100
		ZOC060.3	Explainandidentifythe role of the organism in energytransfers	3	100
		ZOC060.4	Describe the Habitat ecologyandResource ecology	3	100
		ZOC060.5	Understand the types of environmentalPollution andtheirmanagement	3	100
		ZOC060.6	Scope,Valuesand Conservationstrategiesof wildlife.	3	100
Ethology	**ZOC230**	ZOC230.1	Evaluatethelearningand instinct behavior.	3	100
		ZOC230.2	Explainthemechanisms in instinctand behaviour	3	100
		ZOC230.3	Explainhowanimals learn	3	100
		ZOC230.4	Comparelearningand instinct behaviour.	3	100
		ZOC230.5	Analyseanyproblem about animal behaviour	3	100
		ZOC230.6	Explainthe importanceof evolutionforanimal behaviour.	3	100
		ZOC230.7	Explain evolution and behaviour.	3	100
		ZOC230.8	Explainnaturalselection andbehaviour.	3	100
		ZOC230.9	Explain the relationship betweenpredatorsandprey	3	100
		ZOC230.10	Explain social behaviour.	3	100

Semester: IV					
Course title	**Course Code**	**CO No./Id**	**CO Statement**	**CO Attainment**	**% Attainment**
Advanced Genetics and Computational Biology	**ZOD030**	ZOD030.1	Understand the genomic organizationofprokaryotes andeukaryotes.	3	100
		ZOD030.2	Know the applications of variousmodelorganismsin genomicresearch.	3	100
		ZOD030.3	Abletoanalyzethepedigree, psychosomatic disorders, prenatal diagnosis and geneticcounselling.	2.7	90
		ZOD030.4	Recognizefew heritable diseasesinman.	3	100
		ZOD030.5	Understandthebasic conceptsofgenomics	2.4	80
		ZOD030.6	Understandthebasic conceptsofproteomics	3	100
		ZOD030.7	Understandthenucleicacid and protein databases and tools.	2.4	80
Applied Zoology	**ZOD040**	ZOD040.1	Explain plantinsect interaction,originofpestand its control.	3	100
		ZOD040.2	Understandvectorsandits communicablediseases.	3	100
		ZOD040.3	Explain races of silkworm theirdiseaseanditscontrol.	2.4	80
		ZOD040.4	Knowabout theimportance ofinsectsinforensicscience and medicine.	3	100
		ZOD040.5	Knowaboutaquacultureand itspracticesinIndia.	3	100
MajorProject	**ZOD020**	ZOD020.1	Understandtheconceptsof Project Management for planning to execution of projects	3	100
		ZOD020.2	Findimportanceofreference work Using tools of information such as periodical,journals,online resources	3	100

		ZOD020.3	Breakwork downthetasks of projectanddetermine handover procedures	3	100
		ZOD020.4	Interpret, analyze and presentation of the results obtainedandcomparewith similar works and draw conclusion.	3	100

POATTAINMENT

POID	POStatement	PO Attainment	% Attainment
ZOO17.PO1	Imbibetheknowledgewithfactsandfiguresrelated Zoology.	2.94	98.04
ZOO17.PO2	Understandthebasicconcepts,fundamentalprinciples, and the scientific theories related to various scientific phenomenaandtheirrelevanciesintheday-to-daylife.	2.88	96.17
ZOO17.PO3	Identify, formulate, research literature, and analyze complex problems reaching substantiated conclusions usingfirstprinciplesofmathematical,biological,physical and chemical sciences.	2.87	95.70
ZOO17.PO4	Willbeabletothinkcreativelytoproposenovelideasin explainingfactsandfiguresorprovidingnewsolutionto the problems.	2.74	91.43
ZOO17.PO5	Developscientificoutlooknotonlywithrespectto Zoology but also in all aspects related to life.	2.88	96.08
ZOO17.PO6	Realizethatinterdisciplinaryknowledgeinotherfaculties can have greatly and effectively influence which inspires in evolving new scientific theories and inventions.	2.91	97.09
ZOO17.PO7	Imbibeethical,moralandsocialvaluesinpersonaland social life leading to highly cultured and civilized personality.	2.91	97.06
ZOO17.PO8	Developvariouscommunicationskillssuchasreading, listening, speaking, etc.	2.98	99.20
ZOO17.PO9	Realizethatacquiringknowledgeisacontinuousprocess and in combination with untiring efforts and positive attitude and other necessary qualities leads towards a successful life.	2.82	93.98

PSOATTAINMENT

PSOID	PSOStatement	PSO Attainment	% Attainment
ZOO17.PSO1	Understandtheclassificationandtaxonomicaspects of the animal world (chordates and non-chordates). The students will be able to identify the taxonomic group of a given animal based on the external characteristics.	2.93	97.76
ZOO17.PSO2	Understand the basic concepts of Animal physiology.Thestudentswillbeabletoidentifyand understand the important life processes which are essential for continuation of life on earth.	2.85	95.16
ZOO17.PSO3	Understandthenatureandstructureofbiomolecules and basic concepts of Biological chemistry.	2.88	95.87
ZOO17.PSO4	UnderstandtheconceptsofGenetics,CellBiology and Molecular Biology.	2.82	94.00
ZOO17.PSO5	Understandthebasicprinciplesandconceptsof environmental science, ecology and nature conservation.	2.33	77.79
ZOO17.PSO6	Understandtheimportanceofknowledgeofwildlife and animal behaviour for conservation and balancing the nature.	2.88	95.88
ZOO17.PSO7	Understandthetoolsandtechniquesemployedin Biological research and experiments.	2.88	95.87
ZOO17.PSO8	Understandtheprocessof evolution.	2.85	95.13
ZOO17.PSO9	Understand the concept and applications of sericulture,apiculture,animalhusbandry,Lac culture etc.	2.85	95.13

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru – 570 025, Karnataka, India

2021-22

Name of the Department: PG Department ofBiotechnology
Programmes offered: M.Sc. in Biotechnology

Course outcomes (%Attainments)

COURSE	COURSE CODE	COID	CO'S	ATTAINMENT (%)
BIOMOLECU LESANDBIOE NERGETICS	BTA040	CO1	Study of different biomolecules	94.21
		CO2	Metabolism and their regulation	77.84
		CO3	Enzymes and their role in metabolism	89..34
		CO4	Application of thermodynamics to understand the basic concepts of life.	82.43
		CO5	To study the integrated metabolism of all the biomolecules.	68.05
BIOANALYTI CALTECHNIQ UES	BTA050	CO1	To understand the separation of molecules by different chromatography, centrifugation and electrophorotic techniques	90.24

		CO2	Analysisandcharacterizatio nofmoleculesbyspectrosco pytechniques	77.8
		CO3	Useofradioactivematerialin understandingmetabolicpa thways	88.35
		CO4	To study the imaging techniques to explore the basics of cell	81.50
LAB – I	BTA060	CO1	Course objective is to introduce the students to the fundamental experiments in the field of Biochemistry, Microbiology and Genetics.	75. 80
		CO2	Students get the insight to operate simple equipments like colorimeter and spectrophotometer	91.68
		CO3	Identification of microorganisms by morphology and staining techniques and study ofgrowth kinetics.	83.4
		CO4	In genetics students are exposed to know about culture and maintenance of *Drosophila melanogaster* (model organism), Study of mutants, salivary gland chromosome and karyotyping techniques.	86.68
		CO5	To understand the different enzyme kinetics.	93.49

MOLECULAR GENETICS	BTA230	CO1	Tounderstandthemolecularmechanismofinheritance	89.24
		CO2	Mutation and DNA repairmechanism	85.31
		CO3	Genemapping andstudyofch romosomalab normalities	85.22
		CO4	Phylogenetics andmicro- evolution	77.61
		CO5	Development of an organism	80.24
MICROBIOLO GY	BTA240	CO1	To understand the microbial taxonomy	82.56
		CO2	Handling, preservation and sterilization of microbes	89.05
		CO3	Microbial interactions with different hosts	83.93
		CO4	-Application of microorganisms in the field of agriculture, environment and health sciences	8034
MOLECULAR BIOLOGY	BTB020	CO1	The student will get an idea about the genomic organization of prokaryotes and eukaryotes.	82.93
		CO2	To obtainindepthknowledgeofgeneticcode,DNAreplication andtranscription.	80.98

		CO3	Understand principles, concepts of translation, post translation mechanism	82.93
		CO4	Regulationofgeneexpressioninpro karyotesandeukaryotes	53.41
		CO5	Gaintheinsightintomolecularmechanismofantisensemol ecules,inhibitionofsplicingand application of antisense and ribozymetechnologies	68.05
IMMUNOLOG YANDIMMUN OTECHNOLO GY	BTB050	CO1	Study basic concepts of immunology	86.98
		CO2	MHC and their role in transplantion	77.37
		CO3	Cytokines and their role in immune system, TumorImmunology	92.68
		CO4	Autoimmune diseases , causes and treatment	80.49
		CO5	Hypersensitivity, Vaccine production	67.80
LAB – II	BTB060	CO1	StudentsaretrainedtogettheskillsinthefieldofMolecularb iologyandGenetic engineering	53.66
		CO2	Isolationandpurificationofnucleicacidsandtheirquantifi cation	93.68
		CO3	Study of antigen and antibodyinteractions	90.24
		CO4	Preparation of wine and analysis of food samples	88.54

				80.73
		CO5	Visit to Bio-tech Industries	
CELL SIGNALLING AND COMMUNICA TION	BTB220	CO1	Understanding the multi-cellularity of organisms	92.38
		CO2	role of extracellular matrix in signalling	63.31
		CO3	various signalling pathways from the cell surface to the nucleus	73.85
		CO4	cell signalling in plants	86.15
		CO5	microbe-plant and insect-plant interaction.	64.62
FOOD AND ENVIRONME NTAL BIOTECHNOL OGY	BTB210	CO1	Comprehensive insight into the fermented foods and enzymes in food industry	91.46
		CO2	Obtain knowledge of functional foods, genetically modified foods and nutraceuticals	67.69
		CO3	Students will be able to understand current status of biotechnology in environment protection.	91.85
		CO4	Understand the principles of bioremediation and significance of GMO to the environment.	85.69
		CO5	waste management.	90.77

BIOPROCESS ENGINEERING AND TECHNOLOGY	BTC040	CO1	understand the different metabolic pathways of microorganisms	76.92
		CO2	To have the **c**omprehensive insight into the different type of fermenter	88.46
		CO3	To obtain knowledge of media design and industrial culture	76.92
		CO4	Students will be able to understand different type of fermenter and bioreactor	84.15
		CO5	Understand the principles of downstream processing, To understand the enzyme technology and their applications in industry.	91.20
GENETIC ENGINEERING	BTC050	CO1	To have the **c**omprehensive insight into the different enzymes used in Geneticengineeringlab	80.53
		CO2	To obtain knowledge of construction of vectors	63.75
		CO3	Students will be able to understand different type of cloning methods.	84.63
		CO4	UnderstandtheprinciplesofPCR&types	61.25
		CO5	Toknowthedifferentsequencemethods	73.38

LAB- III	BTC060	CO1	To have the **c**omprehensive insight into the different enzymes kinetics	96.21
		CO2	Production of different compounds by fermentation	74.98
		CO3	to study the plant tissue culture methods	89.76
		CO4	Estimation of different bio active compounds	97.97
		CO5	Preparation of animal cell culture media and anti-angiogenic activity	79.09
BIOSTATISTICS, BIOINFORMATICS AND BIOENTERPRENURSHIP	BTC220	CO1	Application of statistics to understand and analyse the experimental results of biological sciences	65.31
		CO2	Retrieval of biological data	59.14
		CO3	phylogenetic analysis	61.22
		CO4	Primer designing, Insight into start-up companies.	64.49
		CO5	drug discovery and molecular docking	58.94
APPLIED BIOTECHNOLOGY		CO1	Scope of Biotechnology in India	66.0
		CO2	Use of plant tissue culture to society	61.60
		CO3	Applications of animal cell culture in medical field	66.0
		CO4	Applications of Bio-technology in solving agricultural problems	88.98
		CO5	Production of bio-pesticides and bio-fertilizers.	69.43

PLANT BIOTECHNPLOGY	BTD010	CO1	General Introduction to tissue culture	82.97
		CO2	Use of plant tissue culture to society	91.97
		CO3	Haploid technology to produce seedless crops	67.97
		CO4	Applications of Bio-technology in solving agricultural problems	87.91
		CO5	Applications of recombinant technology to produce disease free crops	
ANIMAL BIOTECHNOLOGY	BTD020	CO1	General Introduction to Animal cell culture	66.97
		CO2	Use of different media to culture animal cells	78.97
		CO3	Different methods of cell separation	87.88
		CO4	Tissue Engineering using different matrices	60.91
		CO5	Cloning of animals	69.80
Project work	BTD030	CO1	Making the students to think about current scientific problems	93.15
		CO2	Designing the objectives and writing the synopsis	95.00
		CO3	Understanding the research articles	82.62
		CO4	Designing the experiments	89.54
		CO5	Analysing the data, interpretation of results and writing research papers	81.23

JSS COLLEGE OF ATRS, COMMERCE AND SCIENCE

OOTY ROAD MYSURU-25
PG DEPARTMENT OF BIO-TECHNOLOGY

PO-ATTAINMENT(Direct)

SUBJECT	COID	PO'S	ATTAINMENT (%)
MSc Biotechnology	PO1	Acquire knowledge on the fundamentals of biotechnology for sound and solid base which enables them to understand the emerging and advanced engineering concepts in life sciences	**83.34**
	PO2	Tomakethestudentsdevelopinterpersonalskills,writtenandoralcommunicationandalso to improve their body language and eye contact duringpresentations.	**84.10**
	PO3	To train the students in group discussions to develop leadership qualities and to respect the others idea and take the decisions for the welfare of society.	**68.49**
	PO4	To teach the students not to demoralize the others ideas and not to differentiate the intelligent and the ignorant, poor and the rich and	**69.61**

		to uphold the moral values in the society	
	PO5	Uponcompletionofcoursestudentswillhavetheabilitytodesigntheex perimentstosolve thecurrentproblemsinthesocietyrelatedtohealth,environmentandind ustries,	**72.60**
	PO6	Uponcompletionofcoursestudentswillhavetheabilitytodesigntheex perimentstosolve thecurrentproblemsinthesocietyrelatedtohealth,environmentandind ustries	**78.12**

JSS COLLEGE OF ATRS, COMMERCE AND SCIENCE
OOTY ROAD MYSURU-25
PG DEPARTMENT OF BIO-TECHNOLOGY
PO-ATTAINMENT (Indirect)

SUBJECT	COID	PO'S	ATTAINMENT (%)
MSc Biotechnology	PO1	Acquire knowledge on the fundamentals of biotechnology for sound and solid base which enables them to understand the emerging and advanced engineering concepts in life sciences	**64.2**
	PO2	Tomakethestudentsdevelopinterpersonalskills,writtenandoralcommunicationandalso to improve their body language and eye contact duringpresentations.	**73.6**
	PO3	To train the students in group discussions to develop leadership qualities and to respect the others idea and take the decisions for the welfare of society.	**78.91**
	PO4	To teach the students not to demoralize the others ideas and not to differentiate the intelligent and the ignorant, poor and the rich and to uphold the moral values in the societ	**72.7**
	PO5	Uponcompletionofcoursestudentswillhavetheabilitytodesigntheexperimentstosolve thecurrentproblemsinthesocietyrelatedtohealth,environmentandindustries,	**74.12**
	PO6	Uponcompletionofcoursestudentswillhavetheabilitytodesigntheexperimentstosolve thecurrentproblemsinthesocietyrelatedtohealth,environmentandindustries	**88.86**

JSS College of Arts, Commerce and Science

Name of the Department: PG Biochemistry

Programmes offered: M.Sc Biochemistry

POID	PO
48032	Provides with the necessary knowledge and skills to undertake a career in research, either in industry or in an academic setting
48035	Provides the breadth and depth of scientific knowledge in Biochemistry and allied areas
48036	Equips to apply for a PhD or to gain employment in biochemistry and allied areas
48016	Provides a substantial element of hands-on research experience, with enhanced experimental skills
48022	Demonstrates detailed knowledge and understanding of the principles and theories of biochemistry
48017	Helps to understand the principle techniques of biomolecular structural characterization, including spectroscopy

PSOID	PSO
48044	Global level research opportunities to pursue PhD programme targeted approach of CSIR-NET examination
48052	Enormous job opportunities at all level of chemical, pharmaceutical, food products, life oriented material industries
48061	Specific placements in R&D and quality control or analysis division of nutraceutical, pharmaceutical industries and allied division

Course Title	Course Code	COID	CO
Analytical Biochemistry-I	BCA040	47911	Specify in depth cell fractionation techniques
Analytical Biochemistry-I	BCA040	47912	Write down in details with application, if applicable, chromatography and spectroscopy
Analytical Biochemistry-I	BCA040	47913	Write down in details with application, if applicable, principle and applications of electrophoresis
Analytical Biochemistry-I	BCA040	47914	Understand the classification and characteristics of centrifugation and microscopy
Chemistry and Metabolism of Proteins and Nucleic Acids	BCA050	47922	Identify the details of amino acids and proteins

Chemistry and Metabolism of Proteins and Nucleic Acids	BCA050	47923	Understand in details with application, if applicable, nitrogen metabolism and degradation
Chemistry and Metabolism of Proteins and Nucleic Acids	BCA050	47924	Write down the classification and characteristics of synthesis of amino acids and proteins
Chemistry and Metabolism of Proteins and Nucleic Acids	BCA050	47925	Write down in details with application, if applicable, metabolism of nucleic acids
Experiments in Biochemical Techniques and Enzymologyand Seminar	BCA060	47926	Identify the details of spectrophotometer
Experiments in Biochemical Techniques and Enzymologyand Seminar	BCA060	47927	Identify the details of specific activity of enzymes
Experiments in Biochemical Techniques and Enzymologyand Seminar	BCA060	47928	Deliberate the characteristics of gel electrophoresis
Experiments in Biochemical Techniques and Enzymologyand Seminar	BCA060	47929	Deliberate the characteristics of use of pipettes
Enzymology	BCA230	47930	Write down in details with examples enzyme kinetics
Enzymology	BCA230	47931	Identify in details with examples enzyme catalysed reactions
Enzymology	BCA230	47932	Identify the characteristics of cooperativity reactions
Enzymology	BCA230	47933	Learn the classification and characteristics of multienzyme complex reactions
Chemical Principles and Biochemical Reactions	BCA250	47934	Specify in details with examples chemical principles and bonding
Chemical Principles and Biochemical Reactions	BCA250	47935	Write down in depth thermodynamics
Chemical Principles and Biochemical Reactions	BCA250	47936	Learn in details with application, if applicable, stereochemistry
Chemical Principles and Biochemical Reactions	BCA250	47937	Deliberate in depth secondary metabolites
Analytical Biochemistry−II	BCB040	47938	Identify in details with application, if applicable, flow cytometry
Analytical Biochemistry−II	BCB040	47940	Specify the characteristics of biosensor technology
Analytical Biochemistry−II	BCB040	47941	Understand in details with examples spectroscopy

Analytical Biochemistry−II	BCB040	47942	Write down the details of x-ray crystallography
Chemistry and Metabolism of Carbohydrates and Lipids	BCB050	47943	Understand the classification and characteristics of chemistry of carbohydrates
Chemistry and Metabolism of Carbohydrates and Lipids	BCB050	47944	Deliberate the classification and characteristics of bioenergetics
Chemistry and Metabolism of Carbohydrates and Lipids	BCB050	47945	Write down the characteristics of chemistry of lipids
Chemistry and Metabolism of Carbohydrates and Lipids	BCB050	47946	Learn in depth metabolism of lipids
Experiments in Immunology and Biochemical Estimations and Seminar	BCB060	47947	Understand in details with examples antigen antibody reactions
Experiments in Immunology and Biochemical Estimations and Seminar	BCB060	47949	Specify in details with application, if applicable, oils and fats estimation
Experiments in Immunology and Biochemical Estimations and Seminar	BCB060	47950	Understand in depth acid value principle and determination
Experiments in Immunology and Biochemical Estimations and Seminar	BCB060	47951	Identify in details with examples mitosis and meiosis
Immunology and Microbiology	BCB250	47952	Identify in details with examples antigens and antibodies
Immunology and Microbiology	BCB250	47953	Understand the details of cellular basis of immunity
Immunology and Microbiology	BCB250	47954	Identify the classification and characteristics of MHC Complex
Immunology and Microbiology	BCB250	47955	Learn in depth basic concepts of microbiology
Human Physiology andNutrition	BCB260	47956	Specify the classification and characteristics of blood and respiratory systems
Human Physiology andNutrition	BCB260	47957	Identify in depth digestive and excretory systems
Human Physiology andNutrition	BCB260	47958	Learn in details with application, if applicable, concepts of nutrition
Human Physiology andNutrition	BCB260	4759	Specify the details of vitamins and minerals
Cell Biology, Endocrinology and Cell Signaling	BCC070	47961	Specify in details with examples cellular organization

Cell Biology, Endocrinology and Cell Signaling	BCC070	47962	Learn the characteristics of endocrinology
Cell Biology, Endocrinology and Cell Signaling	BCC070	47963	Learn in depth cell signaling
Cell Biology, Endocrinology and Cell Signaling	BCC070	47964	Write down the characteristics of membrane biology
Clinical Biochemistry	BCC050	47965	Identify in details with application, if applicable, specimen collection and analysis
Clinical Biochemistry	BCC050	47966	Specify in details with application, if applicable, metabolic disorders
Clinical Biochemistry	BCC050	47967	Write down the characteristics of hormonal disorders
Clinical Biochemistry	BCC050	47968	Write down in details with application, if applicable, hematology
Biotechnology and Research Methodology	BCC230	47973	Understand the concepts of biotechnology
Biotechnology and Research Methodology	BCC230	47974	Provide examples of current applications of biotechnology
Biotechnology and Research Methodology	BCC230	47975	Explain the concept and application of enzyme technology
Biotechnology and Research Methodology	BCC230	47976	Explain the general principles of generating transgenic plants, animals and microbes
Experiments in Clinical Biochemistry and Molecular Biology	BCC060	47977	Specify the details of urine and blood analysis
Experiments in Clinical Biochemistry and Molecular Biology	BCC060	47978	Specify the characteristics of determination of enzyme activity
Experiments in Clinical Biochemistry and Molecular Biology	BCC060	47979	Identify the classification and characteristics of DNA quantification and analysis
Experiments in Clinical Biochemistry and Molecular Biology	BCC060	47980	Deliberate the details of isolation of nucleic acids from plant, animal and microbial sources
Molecular Biology and Gene Regulation	BCD010	47981	Write down the characteristics of DNA characteristics and replication
Molecular Biology and Gene Regulation	BCD010	47982	Write down in depth Transcription and regulation
Molecular Biology and Gene Regulation	BCD010	47983	Learn in depth translation

Molecular Biology and Gene Regulation	BCD010	47985	Identify in depth translational regulation
Genetics and Genetic Engineering	BCD070	47986	Understand the importance of plasmids and viruses to genetic engineering.
Genetics and Genetic Engineering	BCD070	47987	Understand the principle of Mendelism and gene development
Genetics and Genetic Engineering	BCD070	47988	Describe how mutations occur and scope of population genetics
Genetics and Genetic Engineering	BCD070	47989	Explain the principle of genetic engineering
Nutrition and Health	BCC740	47990	Identify the details of basic concepts of nutrition
Nutrition and Health	BCC740	47991	Learn in details with application, if applicable, nutrients
Nutrition and Health	BCC740	47992	Deliberate in details with application, if applicable, nutrition associated problems
Nutrition and Health	BCC740	47993	Write down in depth social health problems
Project Work OR Dissertation	BCD060	47994	Identify the classification and characteristics of literature survey
Project Work OR Dissertation	BCD060	47995	Learn in depth define of objective of project work
Project Work OR Dissertation	BCD060	47996	Write down the classification and characteristics of design of experimental methods
Project Work OR Dissertation	BCD060	47997	Understand the details of result analysis and interpretation

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2021-22
Name of the Department: Department of MCA (I and II sem)
Programmes offered: Computer Application

Course outcomes (%Attainments)

Course Title	Course Code	CO No./Id	CO Statement	%Attainment
Java Programming	IT11	CO1	Demonstrate and implement programs using components and constructs of a Java language	98.30
		CO2	Identify classes, objects, members of a class and use packages and interfaces appropriately.	100
		CO4	Use the concept of string, event handling, simple data structures like arrays and members of classes of Java API in application development	100
Data Structure and Algorithms	IT12	CO1	Design and analyze programming problem statements	100
		CO2	Design appropriate data structures and algorithm	84
		CO3	Demonstrate linear data structure	100
		CO4	Implement tree, search, graph	100
Computer Organisation and Architecture	IT13	CO1	Computer Architecture-Hardware, software	81
		CO2	Design of Interfaces	98
		CO4	Addressing Modes	100
Operating System Concepts	IT14	CO1	Recognize the structure of operating system, interaction of an operating system and application programs.	86
		CO2	Analyze the various programming paradigms viz., multi-process and multi-threaded programming.	100
		CO3	Examine the various resource and memory management techniques.	100
		CO4	Distinguish the different features of real time and mobile operating systems.	84

		CO5	Identify current issues in system security; demonstrate various factors can influence the overall performance of an operating system.	100
Computer Networks	IT15	CO1	Analyze and distinguish the basic concepts, principles and techniques of data communication along with the layers of OSI and TCP/IP model.	100
		CO2	Independently understand and distinguish the concept of links, nodes and data transmission issues in the network.	72
		CO3	Capability to categorize wired LANs: Ethernet, IPv4 addresses and performance of The network-layer.	71
		CO4	Design and demonstrate the services of TCP and UDP.	98
Management Information System	BT11	CO1	Apply the different strategies for the management of business to formulate business process.	84
		CO2	Analyze the need for business process re-engineering, and the process of making.	96
		CO3	Analyze and examine business information needs to facilitate evaluation of strategic alternatives.	88
		CO4	Apply Management Information Systems knowledge and skills learned to facilitate the acquisition, development, deployment, and management of information systems.	100
Mathematical foundations	MT11	CO1	Implement statistical measures and explore its applications	97
		CO2	Analysis of computational errors and design of algorithms to solve a set of linear equations.	97
		CO3	Applying the concepts of vector and linear functions in real time applications.	97
		CO4	Apply the notion of relations on finite structures, like strings and analyze algorithms using the concept of functions.	97
		CO5	Explore the properties of Graph theory and its applications in computer science.	97
Python Programming	IT21	CO1	Design and apply a solution clearly, accurately in a program using python.	85
		CO2	Comprehend and Apply knowledge in real time situational problems and think creatively about solutions.	86

		CO3	Apply the best features of mathematics, engineering and natural sciences to program using python.	80
		CO4	Apply object-oriented programming concepts to develop dynamic interactive Python applications.	85
Software Architecture	IT22	CO1	Comprehend the need and importance of software architectures.	84
		CO2	Differentiate various architectural styles based on requirement.	100
		CO4	Apply pattern oriented architecture by understanding patterns and their descriptions.	100
Optimization Techniques	MT21	CO1	Understand the role and principles of optimization techniques in business world (Understand)	98
		CO3	Apply the optimization techniques in business environments (Apply)	100
		CO4	Illustrate and infer for the business scenario (Analyze)	96
		CO5	Analyze the optimization techniques in strategic planning for optimal gain. (Analyze)	100
Advanced Internet Technologies	IT23	CO1	Outline the basic concepts of Advance Internet Technologies (Understand)	100
		CO2	Design appropriate user interfaces and implements webpage based on given problem Statement (Apply)	93
		CO3	Implement concepts and methods of NodeJS (Apply)	98
		CO4	Implement concepts and methods of Angular (Apply)	91
		CO5	Build Dynamic web pages using server-side PHP programming with Database Connectivity (Apply)	100
Analysis and Design of Algorithms	IT24	CO1	Apply object oriented techniques to solve bigger computing problems	88
		CO2	Explore the knowledge of computational complexity, approximation and randomized algorithms	83
		CO3	Analyze the range of the algorithm and the notion of tractable and intractable problems	98
		CO4	Design and analyze a wide range of searching and sorting algorithms	98
		CO5	Implementation of graph and matching algorithms	100
DBMS	IT 25	CO2	Outline the basic concepts of DBMS (Understand)	98
		CO3	Design appropriate user interfaces and implements	100

			based on given problem Statement (Apply)	
		CO4	Implement concepts and methods of queries(Apply)	86
NOSQL	ET22	CO1	Demonstrate competency in describing how NoSQL databases differ from relational databases from a theoretical perspective.	100
		CO2	Demonstrate competency in designing NoSQL database management systems	100
		CO3	Use of a number of NoSQL databases to store and retrieve data and perform aggregation functions	86
		CO4	Demonstrate competency in selecting a particular NoSQL database for different applications.	100
		CO5	Execute various CRUD operations with MongoDB.	100

1. Direct Assessment:

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
IT11	100	95.8	76.19	96.3	93.3	76.7	93.3	93.9		71.111	95.8	88.9
IT12	78.23	100	98.23	100	100	98.2	100	100		98.23	78.23	100
IT13	100	100	100	100	100	100	100	100	100	100	30	50
IT14	61	30	66	100	66	61	60	61		60	100	61
IT15	100	100	100	100	100	100	100	100	100	100	100	100
BT11	98.23	98.2	100	98.2	100	100	98.2	100	100	98.2	98.2	98.23
MT11	100	100	100	100	100	100	100	100		100	100	100
IT21	100	100	100	100	100	100	100	100		100	100	100
IT22	100	100	100	100	90	100	100	100	100	100	100	100
MT21	71.429	66.7	66.67	85	60	71.4	60	83.3		60	100	100
IT23	100	100	100	100	100	100	100	100	86	100	100	100
IT24	59.167	64.2	53.3333	100	68	61.7	61.7	61.7		63.333	63.3	66.7
IT25	100	100	100	100	100	100	100	100	100	100	100	100
ET22	97.82	97.8	98.2	100	100	97.8	97.8	100		97.82	97.8	97.82

2. Indirect Assessment

Response by	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
Students	100	100	100	100	100	100	100	100	100	100	100	100
Teachers	100	100	100	100	100	100	100	100	100	100	100	100
Parents	100	100	100	100	100	100	100	100	100	100	100	100
Alumni	100	100	100	100	100	100	100	100	100	100	100	100
Employers	100	100	100	100	100	100	100	100	100	100	100	100
Average	100	100	100	100	100	100	100	100	100	100	100	100
Av*0.2	20	20	20	20	20	20	20	20	20	20	20	20

% Attainment

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	97.11	94.56	92.37	96.56	95.06	92.09	95.45	96.18	100	95.54	91.25	92

JSS COLLEGE OF ATRS, COMMERCE AND SCIENCE
OOTY ROAD MYSURU-25
PG DEPARTMENT OF PHYSICS
CO-ATTAINMENT 2021-22

COURSE	COURSE CODE	COID	CO'S	ATTAINMENT (%)
Classical Mechanics	PHY101	CO1	Deliberate the characteristics of Mechanics of a system of particles	93.85
		CO2	Specify in depth The Lagrangean method	87.69
		CO3	Learn in details with examples Central forces	95.38
		CO4	Write down the details of Hamilton's equations	86.15
		CO5	Deliberate the characteristics of Canonical transformations	80.00
Mathematical Methods of Physics 1	PHY102	CO1	Specify the characteristics of Curvilinear coordinates and Tensors	93.85
		CO2	Write down in depth Tensors	87.69
		CO3	Learn in details with application, if applicable, Differential equations, Hermite function and Laguerre functions	95.38
		CO4	Write down the details of Special functions	86.15
		CO5	Write down in details with application, if applicable, Bessel functions	80.00

		CO1	Understand the classification and characteristics of Linear vector space	89.23
Mathematical Methods of Physics 2	PHY103	CO2	Specify the characteristics of Linear representations of groups	95.38
		CO3	Deliberate in details with application, if applicable, Rotation group	87.69
		CO4	Understand the details of Fourier transforms	95.38
		CO5	Understand in details with examples Integral equations	75.38
Optics, Classical Electrodynamics, Plasma Physics	PHY104	CO1	Write down in details with examples Electric multipole moments	89.23
		CO2	Deliberate the characteristics of Potential formulation	78.46
		CO3	Specify in details with application, if applicable, Fields of moving charges and radiation	96.92
		CO4	Learn the characteristics of Radiating systems	80.00
		CO5	Learn the details of Relativistic electrodynamics	93.85
Continuum Mechanics and Relativity	PHY201	CO1	Write down the details of Continuum mechanics of solid media	95.38
		CO2	Understand the characteristics of Fluid mechanics	78.46
		CO3	Deliberate in details with examples Minkowski space-time	89.23
		CO4	Specify the classification and characteristics of Relativistic mechanics of a material particle	56.92
		CO5	Specify the characteristics of Einstein's equations	73.85

Thermal Physics	PHY202	CO1	Identify the classification and characteristics of Thermodynamics Preliminaries	93.85
		CO2	Deliberate in depth Entropy	66.15
		CO3	Specify in depth Phase equilibria	84.62
		CO4	Deliberate the characteristics of Classical Statistical Mechanics	66.15
		CO5	Deliberate the classification and characteristics of Quantum Statistical Mechanics	72.31
Quantum Mechanics 1	PHY203	CO1	Understand in depth The wave function and uncertainty Principle	66.15
		CO2	Specify in depth Formalism of quantum mechanics	86.15
		CO3	Understand the details of Schrodinger equation in one dimension	92.31
		CO4	Deliberate the details of Angular Momentum	83.08
		CO5	Understand in depth Schrodinger equation in three dimensions	90.77
Spectroscopy and Fourier Optics	PHY204	CO1	Specify the details of Atomic spectroscopy	70.77
		CO2	Identify in details with application, if applicable, Nuclear magnetic resonance	89.23
		CO3	Specify in depth Microwave spectroscopy	92.31
		CO4	Specify in depth Infrared spectroscopy	72.31
		CO5	Write down in details with application, if applicable, Raman spectroscopy	81.54

Quantum Mechanics 2	PHY301	CO1	Learn in details with application, if applicable, The time-independent perturbation theory	**98.21**
		CO2	Learn the characteristics of The Variational Principle	**94.64**
		CO3	Understand in details with application, if applicable, WKB Approximation	**94.64**
		CO4	Deliberate in details with examples Adiabatic approximation	**87.50**
		CO5	Deliberate in details with application, if applicable, Time-dependent perturbation theory	**69.64**
Condensed Matter Physics	PHY302	CO1	Write down the classification and characteristics of X-ray crystallography	**98.21**
		CO2	Identify in details with examples Atomic scattering factor	**87.50**
		CO3	Specify in details with examples Electron and neutron diffraction	**92.86**
		CO4	Identify in details with examples Crystal growth techniques	**89.29**
		CO5	Learn the details of Disordered materials	**89.29**
Nuclear and Particle Physics	PHY303	CO1	Specify in details with application, if applicable, Properties of the Nucleus	**96.43**
		CO2	Learn in details with application, if applicable, Nuclear Models	**98.21**
		CO3	Specify the characteristics of Nuclear reactions	**96.43**
		CO4	Deliberate in depth Nuclear decay modes	**51.79**
		CO5	Understand the classification and characteristics of Interaction of nuclear radiation with matter	**83.93**

Solid State Physics 1	PHY304	CO1	Specify in details with application, if applicable, basic concepts of properties of Solid	88.89
		CO2	Deliberate in details with application, if applicable, Dielectrics; Properties and classification	92.59
		CO3	Specify the classification and characteristics of Ferroelectrics; Properties and classification	88.89
		CO4	Specify the characteristics of thermal and vibrational properties of solids	85.19
		CO5	Learn the characteristics of tight-binding approximation	85.19
Nuclear Physics 1	PHY305	CO1	Specify in details with examples Nuclear detectors	100.00
		CO2	Understand in depth Nuclear pulse techniques	100.00
		CO3	Learn the details of Shell model	100.00
		CO4	Understand the classification and characteristics of Collective model	96.50
		CO5	Identify the classification and characteristics of Nilsson model	100.00
Solid State Physics 2	PHY401	CO1	Learn the details of X-ray diffraction by crystals	100.00
		CO2	Identify the details of Experimental techniques	88.89
		CO3	Deliberate in depth Structure analysis	96.30
		CO4	Learn the classification and characteristics of Particle Size study of Fibre structure	62.96
		CO5	Specify in depth Imperfections in solids	77.78

		CO1	Write down in details with application, if applicable, Free electron theory of metals	100.00
Solid State Physics 3	PHY402	CO2	Identify the characteristics of Electrical conductivity	85.19
		CO3	Deliberate in details with examples Hall effect	100.00
		CO4	Write down the classification and characteristics of Elemental and Compound Semiconductors	77.78
		CO5	Deliberate in details with application, if applicable, Carrierconcentrations	66.67
Nuclear Physics 2	PHY403	CO1	Write down the details of nuclear fission	93.10
		CO2	Write down in details with application, if applicable, Neutron transport equation using elementary diffusion theory	96.55
		CO3	Specify the details of Fermi age theory	93.10
		CO4	Specify in depth homogeneous reactor	93.10
Nuclear Physics 3	PHY404	CO1	Write down the details of Deuteron	100.00
		CO2	Understand in details with application, if applicable, Deuteron magnetic and Quadrupole moments	100.00
		CO3	Understand the details of Nucleon-nucleon scattering processes	93.10
		CO4	Write down in details with examples Theory of scattering of slow neutrons	96.55
		CO5	Specify in details with examples Plane wave theory of direct reactions	89.66
Accelerator Physics	PHY407	CO1	Specify in details with application, if applicable, ion Source	85.71

			CO2	Deliberate the details of Alternating gradient machines	100.00
			CO3	Understand the working of Betatron	87.50
			CO4	Learn the details of Ion sources	83.93
			CO5	Write down the characteristics of Townsend theory	89.29
Electronics	PHY413		CO1	Learn analyzing digital and analog devices and circuits	85.71
			CO2	Analyze components associated with digital and analog electronic systems	100.00
			CO3	Demonstrate proficiency in the use of electronic equipment and devices	87.50
			CO4	Assist in the design, operation, and troubleshooting of electronic systems	83.93
			CO5	Analyze electronics devices and circuits using computer simulations	89.29

JSS COLLEGE OF ATRS, COMMERCE AND SCIENCE
OOTY ROAD MYSURU-25
PG DEPARTMENT OF PHYSICS
PO-ATTAINMENT 2021-22

SUBJECT	COID	PO'S	ATTAINMENT (%)
MSc Physics	PO1	Identify, formulate and analyze complex problems using first principles.	85.59
	PO2	A research oriented learning to develop analytical problem-solving approaches.	85.54
	PO3	Understand the basic concepts, fundamental principles and the scientific Theories.	85.44
	PO4	Acquire skills in handling scientific instruments, planning and performing in laboratory experiments	85.256
	PO5	Think creatively in explaining solutions to the problems	85.459

JSS COLLEGE OF ATRS, COMMERCE AND SCIENCE
OOTY ROAD MYSURU-25
PG DEPARTMENT OF PHYSICS
PO-ATTAINMENT-INDIRECT 2021-22

SUBJECT	COID	PO'S	ATTAINMENT (%)
MSc Physics	PO1	Identify, formulate and analyze complex problems using first principles.	79.27
	PO2	A research oriented learning to develop analytical problem-solving approaches.	83.77
	PO3	Understand the basic concepts, fundamental principles and the scientific Theories.	80.22
	PO4	Acquire skills in handling scientific instruments, planning and performing in laboratory experiments	81.405
	PO5	Think creatively in explaining solutions to the problems	85.43

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: PG Kannada

Programme Name: MA Kannada   **Programme Code:** MKAN01

Session/Year: 2021-22

List of POs & PSOs

POID	PO Statement	%Attainment (Overall)*
PO1	Demonstrate critical reading, writing, and thinking skills. Write well developed, focussed and effective paragraphs, which support a clear thesis statement, and demonstrate competence in Standard Kannada usage.	91.66
PO2	Get the opportunity to opt for career in the field of social media	89.00
PO3	Helps to pursue research work at M.Phil and Doctoral level	91.66
PO4	Help to communicate effectively and fluently at various occassions	91.66
PO5	Analyse and interpret text written in Dravidian Language.	93.33
PO6	Learn to write logical and informative papers	83.33
PO7	Imbibe good ethics explored in the works of great writers.	100
PO8	Learn to participate effectively in debates, group discussions, seminars.	83.33

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: Prachina Kannada Sahithya : Patya : Adipurana   **Course Code:** KNA010

Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Recognize and understand figurative language, such as allegory and metaphor, and literary techniques, like irony, rhyme, and allusion.	**97.70**
CO2	Identify the unique qualities of the authors studied, and compare and contrast them	**94.38**
CO3	Analyze literary works for their structure and meaning	**97.69**
CO4	Able to effectively communicate ideas related to the literary work	**95.38**

Course Title: Prachina Kannada Sahithyada Hinnele **Course Code: KNA020**
Name of Course In-charge/Coordinator: Dr. Prabhuswamy B

List of COs

CO ID	CO Statement	%Attainment
CO1	To enable them to have a historical perspective of the development over the centuries. CO2: Identify the unique qualities of the authors studied, and compare and contrast them	89.85
CO2	Identify the unique qualities of the authors studied, and compare and contrast them	97.69
CO3	Demonstrate knowledge of the style, structure, and content of the assigned literary texts.	89.38
CO4	Develop a well-written argument about one or more literary texts or authors, and accurately cite literary and other sources	89.15

Course Title: Kannada Chandasinna Adhyayana **Course Code: KNA030**
Name of Course In-charge/Coordinator: Dr. Shivakumar D B

List of COs

CO ID	CO Statement	%Attainment
CO1	Familiar with Old Kannada Poetry	99.43
CO2	Adopt the correct reading of Old Kannada poetry	95.38
CO3	Identify the different forms of meters in the writings of poets of different genre	89.69
CO4	Learn to apply in creative literature	95.38

Course Title: Vimarsheya Adhyayana **Course Code: KNA040**
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Creates opportunity to nurture their ability to produce literary texts.	99.23
CO2	Helps to understand the process of communicating and interpreting human experience through literary representation	89.46
CO3	They learn to raise significant questions, gather relevant evidence, reach well-reasoned conclusions.	96.92
CO4	Students also develop an ethical orientation to living as their study of literature encourages them to value human actions, motivations, and differences.	90.00

Course Title: Bashavignanada Mulatatvagalu   **Course Code: KNA210**
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	They have the ability to analyse and interpret all aspects of language phenomena	99.43
CO2	Able to understand the concepts, theories, and methodologies used by linguists	95.38
CO3	Helps in qualitative and quantitative analyses of linguistic structure, and patterns of language use.	89.69
CO4	Developes a significant capacity for adaptation and the ability to question and engage in professional practice	95.38

Course Title: Madhyakaleena Kannada Sahithya : Patya   **Course Code: KNB010**
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Able to understand the background for the linguistic situation of the period.	93.85
CO2	Appreciate the representative poets, novelists and works of Kannada literature	96.15
CO3	Identify and describe distinct literary characteristics of the literature of this time period	94.62
CO4	Able to analyze and interpret texts.	96.15

Course Title: Madhyakaleena Kannada Sahithya Hinnele   **Course Code: KNB020**
Name of Course In-charge/Coordinator: Dr. Prabhuswamy B

List of COs

CO ID	CO Statement	%Attainment
CO1	Helps to understand the historical and cultural contexts of the literature of this period to some major authors, works, and genres	96.15
CO2	Imbibe good ethics explored in the works	100
CO3	Helps to Identify the key elements that are distinctive to the artistic achievement of early modern writers.	94.31
CO4	Reflect and write analytically about the literary texts and their contexts.	93.08

Course Title: Dravida Bashavijyayana   **Course Code: KNB030**
Name of Course In-charge/Coordinator: Dr. Shivakumara D B

List of COs

CO ID	CO Statement	%Attainment
CO1	Earn knowledge on the Origin and Growth of Dravidian Languages	99.85
CO2	Delevope the skill to write in traditional form	99.15
CO3	Acquire knowledge to analyse Old Kannada Literature	94.62
CO4	Able to make the comparitive analysis of Dravidian Literature	96.15

Course Title: Kannada Vimarshe : Ayda Lekhanagalu   **Course Code: KNB040**
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the growth of Kannada Criticism	98.21
CO2	Able enough to evaluate the present genre writings	94.64
CO3	Understand to view literature in different dimensions	94.64
CO4	Learn to write analytically about the literary text and their contexts	97.50

Course Title: Kannada Vyakarangala Thoulanika Samikshe   **Course Code: KNB210**
Name of Course In-charge/Coordinator: Dr. D B Shivakumar

List of COs

CO ID	CO Statement	%Attainment
CO1	Able to lidentify the different ways in which grammar has been described.	98.21
CO2	Imply the use of grammar and vocabulary in speech and writing	87.50
CO3	Learn how to analyze unfamiliar words by understanding the structure of the Language.	92.86
CO4	Increase confidence in their ability to read, comprehend, organize, and retain written information.	89.29

Course Title: Kannada Samskurthi Chinthane   **Course Code: KNB220**
Name of Course In-charge/Coordinator: Dr. D B Shivakumar

List of COs

CO ID	CO Statement	%Attainment
CO1	Acquire knowledge of Different phases of Kannada Culture	97.21
CO2	Understnand and adopot the values of Rich Heritage of Kannada Culture	87.50
CO3	Understand the relation between Kannada Language and Culture	98.86
CO4	Read and analyse the opinions of famous intellectuals about Kannada Culture	88.29

Course Title: Thulanika Sahithya : Kavya mattu Nataka   **Course Code: KNC010**
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Explore the connections of literature with history, philosophy, politics, and literary theory	98.21
CO2	Analyze literary works from various genres for their structure and meaning, using correct terminology	88.50
CO3	Develop multi-dimensional characters	92.86
CO4	Help to interact, with other cultural forms of literature.	89.29

Course Title: Adunika Kannada Sahithyada Hinnele   **Course Code: KNB020**
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Develops new thinking on modern writers and their writings.	88.89
CO2	Identify and describe distinct literary characteristics of 20th century literature	92.59
CO3	Effectively communicate ideas related to the literary works	88.89
CO4	Integrate source material into research papers smoothly	95.19

Course Title: Bharatiya Kavya Mimamse   **Course Code: KNB030**
Name of Course In-charge/Coordinator: Dr. Shivakumar D B

List of COs

CO ID	CO Statement	%Attainment
CO1	Helps to unfold new spheres of study and research	100.00
CO2	Understand Indian poetics with its speciality of literary devices, Helps to gain knowledge of poetry as a literary genre.	89.50
CO3	Able to Identify and describe distinct literary characteristics of poetic forms	97.10
CO4	Able to analyse poetic works for their structure and meaning, using correct terminology	96.50

Course Title: Samashodana vidyana mattu Ganaka Gyana   **Course Code: KNC040**
Name of Course In-charge/Coordinator: Dr. Prabhuswamy B

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the Research methodology of Kannada Studies	88.89
CO2	Understand the historical background of Kannada Research	92.59
CO3	Learn to utilize the application of the computers	88.89
CO4	Learn the application of computers in Social media	95.19

Course Title: Upabasha Vijyayana   **Course Code: KNC210**
Name of Course In-charge/Coordinator: Dr. Shivakumar D B

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand various Kannada Dialects.	100.00
CO2	Learn the Phonetics of Kannada Dialects	85.19
CO3	Attempt to collect local dialects through field visits by solving survey problems	100.00
CO4	Analyse the different phases of the growth of Kannada dialects.	97.78

Course Title: Adunika Kannada Sahithya : Patya   **Course Code: KND010**
Name of Course In-charge/Coordinator: Dr. Prabhuswamy B

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn different phases of the growth of Kannada novels and poems.	100.00
CO2	Understand the diverse theams according to period.	85.19
CO3	Create interest to opt these in their research work.	100.00
CO4	Motivate young writers.	97.78

Course Title: Pacshatiya Kavya Mimamse   **Course Code: KND020**
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Acquire knowledge on western literary criticism.	100.00
CO2	Analyse the influence of western literary criticism on Kannada literature.	100.00
CO3	Develop analytical skills.	93.10
CO4	Identify the difference between eastern and western criticism.	96.55

Course Title: Samuha Madyama   **Course Code: KND030**
Name of Course In-charge/Coordinator: Dr. Shivakumar D B

List of COs

CO ID	CO Statement	%Attainment
CO1	Gather knowledge on social and mass media.	95.71
CO2	Understand the working knowledge about AIR, TV Channels, cinemas and press media.	100.00
CO3	Enhanced communicative skills help in carrier opportunity.	97.50
CO4	Able to work in various positions in media sector.	83.93

Course Title: Avadika Karya   **Course Code: KND040**
Name of Course In-charge/Coordinator: Dr. Sudeep B S

List of COs

CO ID	CO Statement	%Attainment
CO1	Undrstand the research methodology.	98.00
CO2	Implement the knowledge in their project work.	100.00
CO3	Learn editing skills.	93.10
CO4	Helps to pursue doctoral research.	86.55

Course Title: Kannada Basha Swaroopa : Patya   **Course Code: KND210**
Name of Course In-charge/Coordinator: Dr. D B Shivakumar

List of COs

CO ID	CO Statement	%Attainment
CO1	Developthe ability to analyse and interpret all aspects of language phenomena	90.00
CO2	Able to understand the concepts, theories, and methodologies used by linguists.	89.50
CO3	Helps in qualitative and quantitative analyses of linguistic structure, and patterns of language use.	97.10
CO4	Developes a significant capacity for adaptation and the ability to question and engage in professional practice	94.50

JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025
Outcome Attainments 2021-22

Department: **UG Department of English**   Programme: **BA**

PO Attainment

(NEP)

POID	PO	80 % Attainment	20 % Attainment	OVERALL ATTAINMENT
PO1	Students should be familiar with representative literary and cultural texts within a significant number of historical, geographical, and cultural contexts.	56.66	15.82	72.49
PO2	Students should be able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres	56.66	17.49	74.15
PO3	Students should be able to identify, analyze, interpret and describe the critical ideas, values and themes that appear in literary and cultural texts and understand the way these ideas, values and themes inform and impact culture and society, both now and in the past.	59.99	16.66	76.65
PO4	Students should be able to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.	59.99	18.33	78.32
PO5	Students should be able to ethically gather, understand, evaluate and synthesize information from a variety of written and electronic sources.	56.66	17.49	74.15

POID	PO	80 % Attainment	20 % Attainment	OVERALL ATTAINMENT
PO6	Students should be able to understand the process of communicating and interpreting human experiences through literary representation using historical contexts and disciplinary methodologies.	66.66	18.33	84.99

(CBCS)

POID	PO	80 % Attainment	20 % Attainment	OVERALL ATTAINMENT
PO1	Students should be familiar with representative literary and cultural texts within a significant number of historical, geographical, and cultural contexts.	59.99	19.16	79.16
PO2	Students should be able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres	55.55	17.49	73.04
PO3	Students should be able to identify, analyze, interpret and describe the critical ideas, values and themes that appear in literary and cultural texts and understand the way these ideas, values and themes inform and impact culture and society, both now and in the past.	63.33	18.33	81.66
PO4	Students should be able to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.	53.33	18.33	71.66

PO5	Students should be able to ethically gather, understand, evaluate and synthesize information from a variety of written and electronic sources.	66.66	17.49	84.15
PO6	Students should be able to understand the process of communicating and interpreting human experiences through literary representation using historical contexts and disciplinary methodologies.	59.99	17.49	77.49

CO Attainment

NEP PAPERS
Course Code: FHA510
Course Title: Introduction to Literature

CO ID	CO	%Attainment
CO1	Acquire knowledge of Indian writing	100%
CO2	Interpret ideas of the past and contemporary writers	100%
CO3	Understand the impact of Indian writers	100%
CO4	Express history through prose and poetry	100%
CO5	Illustrate the literary background	100%

Code: FHA520

Course Title: Indian Writing in English-Part I

CO ID	CO	%Attainment
CO1	Acquire knowledge of Indian writing	100%
CO2	Interpret ideas of the past and contemporary writers	100%
CO3	Understand the impact of Indian writers	100%
CO4	Express history through prose and poetry	100%
CO5	Illustrate the literary background	100%

Course Code: FHB510
Course Title: Introduction to Phonetics and Linguistics

CO ID	CO	%Attainment
CO1	Define and explain different literary terms and forms	100%
CO2	Acquire knowledge of the genres of literature	100%
CO3	Apply the basic stylistics of literary texts in original writings	100%
CO4	Study the English Language scientifically.	100%
CO5	Understand the different patterns and sound system of the language.	100%

Course Code: FHB520
Course Title: Indian Writing in English (Part 2)

CO ID	CO	%Attainment
CO1	Acquire knowledge of Indian writing	100%
CO2	Interpret ideas of the past and contemporary writers	100%
CO3	Understand the impact of Indian writers	100%
CO4	Express history through prose and poetry	100%
CO5	Illustrate the literary background	100%

Outcome Attainments 2021-22

Department: History   **Program: BA**
Program Code: BAHE44 & BA24

PO ID	PO	Overall Attainment
BAHE44P01	Critically recognize the social, political, economic and cultural aspects of History	78.33
BAHE44P02	Demonstrate thinking skills by analyzing, synthesizing, and evaluating historical information from multiple sources	79.55
BAHE44P03	Correctly extract evidence from primary sources by analyzing and evaluating them in relation to their cultural and historical context	79.11
BAHE44P04	Develop an informed familiarity with multiple cultures	79.55
BAHE44P05	Emerge as a multifaceted personality who is self-dependent	77.88
BAHE44P06	Spread the messages of equality, nationality, social harmony and other human values	79.66
BAHE44P07	Comprehend the basic structures and processes of government systems and/or theoretical underpinnings	76.88
BAHE44P08	Analyze political problems, arguments, information, and/or theories	80.44
BAHE44P09	Apply methods appropriate for accumulating and interpreting data applicable to the Discipline of political science & English	72.22
BAHE44P10	Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes	77.11

JSS MAHAVIDYAPEETHA
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Outcome Attainments 2021-22

Department: History   **Program: BA**
Program Code: BAHE44
Course Title: Introduction to Ancient World Civilization

Course Code	Cos	Attainment
FHA450CO1	Understand the birth of Ancient Civilizations across the world.	100
FHA450CO2	Obtain an idea of the geographical influences which aided the establishment of these Civilizations	100
FHA450CO3	Trace the evolution of political history and socio-economic characteristics of the different Civilizations	100
FHA450CO4	Analyze the ideas of theocracy and statehood during this time	100
FHA450CO5	Gather information on the various contributions in the fields on religion, law, education, language, literature, science mathematics, art and architecture	100

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Outcome Attainments 2021-22

Department: History   **Program: BA**
Program Code: BAHE44
Course Title: History of Ancient India (From Earliest times to 1206 CE)

Course Code	Cos	Attainment
FHA460CO1	Gain an extensive insight of the political developments in Ancient India.	100
FHA460CO2	Become familiar with development of Human evolution and material culture in the Indian subcontinent	100
FHA460CO3	Analyze sources in different forms to study the history of Ancient India	100
FHA460CO4	Capture a glimpse of the evolving socio- cultural and religious diversities and dissents of Ancient India	100
FHA460CO5	Understand the progress of early State formations and political structures in Ancient India	100

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Outcome Attainments 2021-22

Department: History   **Program: BA**
Program Code: BAHE44
Course Title: Introduction to Medieval World Civilization

Course Code	Cos	Attainment
FHB450CO1	Understand the geographic limitations and advantages that contributed to the riseof different civilizations in the medieval world	100
FHB450CO2	Get information on the development of religious traditions and organizations inthe Medieval world	100
FHB450CO3	Understand the growth of Feudalism and European towns in the middle ages	100
FHB450CO4	Indicate the causes and impact of the Crusades in the Medieval Europe	100
FHB450CO5	Derive the influences of Oriental Civilizations on Medieval Europe	100
FHB450CO6	Illuminate the aspects of Economy and its development in Medieval WesternEurope	100

Department: History   **Program: BA**
Program Code: BAHE44
Course Title: History of Medieval India (1206 to 1761)

Course Code	Cos	Attainment
FHB460CO1	The students will get the knowledge of the political history of Delhi Sultanate, Mughals andMarathas	100
FHB460CO2	To analyze the changes in state and society under the Delhi Sultanates with respect to theiradministrative structure and theory of state/kingship of the Delhi Sultanate	100
FHB460CO3	Understand the critical historiographical approaches on the State and also the Decline of theDelhi Sultans and Mughal Empire	100
FHB460CO4	To understand the significance of the Bhakti and Sufi Movements and their impact on thesocio-cultural sphere	100
FHB460CO5	To understand the fusion of art, architecture, literature, language and fine arts inmedieval India under Islamic and Hindu styles	100

Outcome Attainments 2021-2022

Department: History   **Program: BA**
Program Code: BA24
Course Title: HISTORY OF KARNATAKA (540-1565)

Course Code	Cos	Attainment
BAHE24CO1	Understand the historical growth of Karnataka, sources-Geographical feature and Early kingdom	100
BAHE24CO2	Enable the students to learn the contributions of Chalukyas, Rastrakutas and Hoysalas development of Art and Architecture.	100
BAHE24CO3	Understand the glorious days of Vijayanagara Empire. The developments of Economy, Social and religious life style, contribution, Administration and culture	100
BAHE24CO4	Gain knowledge about Bahamani and Adilshahi's Kingdowm, their contribution to Education and Culture	100
BAHE24CO5	Helpful for the students to understand the policy of Wodeyar and their contributions to the of growth and development of Mysore	100

Outcome Attainments 2021-2022

Department: History   **Program: BA**
Program Code: BA24
Course Title: HISTORY OF MODERN KARNATAKA (1700-1956)

Course Code	Cos	Attainment
BAHE24CO1	Acquire knowledge about Dalavoys, Hyder Ali and Tippu-Anglo-Mysore war.	100
BAHE24CO2	Evaluate the Restoration of Mysor and understand Resistance against the British.	100
BAHE24CO3	Gain knowledge to students about the Commissioner's rule in Mysore and Development of Mysore during Diwans	100
BAHE24CO4	Providing basic information on Backward Class movement in Mysores	100
BAHE24CO5	Stimulate interest among students for Freedom Movement in Karnataka and Unification movement and Birth of United Karnataka in 1956-Historical places of Freedom struggle and unification movement	100

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Outcome Attainments 2021-2022

Department: History   **Program: BA**
Program Code: BA24
Course Title: HISTORY OF MODERN INDIA (1498-1947)

Course Code	Cos	Attainment
BAHE24CO1	Understand the detailed picture of the heroic resistance Indian to the company's rule, the battle of Plassi , Buxar and Carnatic wars and their effects	100
BAHE24CO2	Develop the knowledge of Consolidation of the British rule regulating Act 1773, subsidiary allianace, doctrine of lapse and land revenue policies	100
BAHE24CO3	Indian renaissance and change of administration, the great revolt of 1857. It will inspire students to appreciate and respect national leaders and values of patriotism and nationalism	100
BAHE24CO4	Gain knowledge about foundation of Indian National congress. Role of moderates, extremists and Ghandhian era., to the students	100

Department: History   **Program: BA**
Program Code: BA24
Course Title: HISTORY OF MODERN ASIA (1900-1990)

Course Code	Cos	Attainment
BAHE24CO1	Analyze the progress of Asian countries like China and Japan from insular nations to their present Dynamic position	100
BAHE24CO2	Understand to trace their role in world affairs in the last 3 decades of the 20th Century	100
BAHE24CO3	Develop the knowledge about diverse countries of the region and provide an insight into the historical background	100
BAHE24CO4	Evalute the basics of colonization and decolonization and analyse the areas of conflict in this vital region. Historical background of Iran, Arabs and Jews. Rise and growth of Arab nationalism, Zionist movement	100

Outcome Attainments 2021-2022

Department: History   **Program: BA**
Program Code: BA24
Course Title: HISTORY OF MODERN EUROPE (1789-1945)

Course Code	Cos	Attainment
BAHE24CO1	Enrich the knowledge to understand Europe before French revolution	100
BAHE24CO2	Europe of to-day which occupies a place of vital importance in world affairs	100
BAHE24CO3	learn the major events that challenged the life style of the people of Europe and their governments	100
BAHE24CO4	Acquire knowledge about the age of revolutions and the slogan of liberty equality and fraternity	100
BAHE24CO5	Understand the role played by the dictators and causes and impacts of World Wars	100
BAHE24C06	Know the establishment of UNO and its Aims, Objectives and structures	100

Outcome Attainments 2021-202

Department: History   **Program: BA**
Program Code: BA24
Course Title: INDIA AND CONTEMPORARY WORLD (1947-2000)

Course Code	Cos	Attainment
BAHE24CO1	Gain knowledge about the Birth of Indian Republic, Economic Development under Nehru	100
BAHE24CO2	Foreign Policy of India and major crisis in India	100
BAHE24CO3	Understand & update knowledge on contemporary, issues and challenges	100
BAHE24CO4	Understand the concepts of state and power in International relations	100
BAHE24CO5	Conceptualize the Relations between India and other countries Alliances.	100

CBSC Papers

Course Code: ELC22224

Course Title: Poetry, Drama and Fiction

CO ID	CO	%Attainment
CO1	Apply theoretical knowledge into life effectively.	100%
CO2	Reminiscence certain literary descriptions and look at life with another perspective.	100%
CO3	Critical understanding of literature	100%
CO4	Relation between literature and real life.	100%
CO5	Understand the culture and tradition prevailed in the 19th Century	100%
CO6	Distinguish the human qualities.	100%
CO7	Connect, compare and contrast the life of fantasy and fact.	100%

Course Code: ELD22224

Course Title: Poetry, Fiction & Prose

CO ID	CO	%Attainment
CO1	Understand the culture and tradition prevailed in 20 th Century	100%
CO2	Enhance the narrative capacity and be rational and decisive in his approach to life	100%
CO3	Re-relate historical events in a more apprehensive language.	100%
CO4	Relation between literature and real life.	100%
CO5	Learn and lead a life filled with humanitarian concern	100%

Course Code: ELE22224

Course Title: Modern Literature

CO ID	CO	%Attainment
CO1	Have better understanding of life.	100%
CO2	Develop analytical and critical quality.	100%
CO3	Be creative in his day to day life and face the problems	100%
CO4	Relation between literature and real life.	100%
CO5	Compare and contrast the historical and modern works	100%

Course Code: ELF22224
Course Title: English Writing in Third World Countries

CO ID	CO	%Attainment
CO1	Understand the problems the of third world countries	100%
CO2	Know the rift between colonised and coloniser	100%
CO3	Understand the spirit of independence and limitations of freedom.	100%
CO4	Get the knowledge of pre and post independent socio-political and economic aspects of India.	100%
CO5	Develop critical and rational thinking.	100%

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Outcome Attainments 2021-22
Department: Hindi

Programme: BBA

PO ID	PO (BBA) **(11)**	% Attainment
PO 1	Inculcate human values	86.66
PO 2	Avail job opportunities in translation	85.99
PO 3	Create interest in literature	96.66

Programme Code: FBA 040 (11)

Course title **:** Gadya ki vidhiya aur Vyakarna
Paper 1

CO ID	CO	% Attainment
CO 1	**1**.Deliberate in details with application, if applicable, short stores of 20th century	100 %
CO 2	**2**. Deliberate in details with application, if applicable, gadya by manoja guptha	100 %
CO 3	**3**. Understand the classification and characteristics of gadya by manoja guptha	100 %
CO 4	**4**. Understand in details with application, if applicable, Hindi vyakaran	100 %
CO 5	**5.** Learn the details of Hindi vyakaran	100 %
CO 6	**6.** Specify in details with application, if applicable, Hindi vyakaran	100 %

Programme Code: FBB 040 (11)

Course title **: Hindi Kahani Sangrah aur Midiya lekan**

Paper 2

CO ID	CO	% Attainment
CO 1	**1** . Specify in details with application, if applicable, Midiya lekan	100 %
CO 2	**2** . Understand the details of kahani of 20th cenyury	100 %
CO 3	**3** . Learn in details with application, if applicable, kahani of 20th cenyury	100 %
CO 4	**4** . Identify the classification and characteristics of Midiya lekan	100 %
CO 5	**5.** Deliberate the details of Hindi vyakaran	100 %
CO 6	**6.** Understand in details with application, if applicable, Midiya lekan	100 %

Programme Code: CDC050

Course title **:** Hindi Kavya aur Anuvada Paribhashik Shabdavali
Paper 3

CO ID	CO	% Attainment
CO 1	**1.** Deliberate the classification and characteristics of medieval and modern hindi kavya	100 %
CO 2	**2** . Deliberate the characteristics of medieval and modern hindi kavya	100 %
CO 3	**3** . Understand the details of Kaber by saakhe	100 %
CO 4	**4** . Identify the characteristics of Hemala by ramadhare simha dinakar, Hindi Sarkari Patrachar	100 %
CO 5	**Co5** . Learn in depth preyatham by suryakanta threepati nirala	100 %
CO 6	**Co6** . Understand the characteristics of Hindi Anuvada	100 %
Co7	**7** . Understand in depth Hindi Anuvada	100 %
Co8	**8** . Identify in details with examples Hindi Anuvada	100 %

Programme Code: CDD050

Course title **: Hindi Upanyas Tatha Vanijya Hindi**

Paper 4

CO ID	CO	% Attainment
CO 1	**1.** . Learn in details with examples Novel-Gaban by Premchand	100 %
CO 2	**2** . Understand in details with examples Novel-Gaban by Premchand	100 %
CO 3	**3.** Understand the details of Novel-Gaban by Premchand	100 %
CO 4	**4.** Identify the classification and characteristics of Vanijya HindI	100 %
CO 5	**5.** Learn the classification and characteristics of Vanijya Hindi	100 %
CO 6	**6.** Identify in details with application, if applicable, Vanijya Hindi	100 %

1. Direct Assessment

2. Use the PO/PSO attainment in the worksheet for calculation

	PO1	PO2	PO3
Course 1	100	83.33	100
Course 2	100	77.77	83.33
Course 3	66.66	100	100
Course 4	66.66	83.33	100
Average above	83.33	86.10	95.83
Attainment (Direct) = 0.8* Average above	66.66	69.66	76.66

2. Indirect Assessment
Course 4
Attainment as responded by students, teachers

Response by	PO1	PO2	PO3
Students	3	2	3
Teachers	3	3	3
Average	3	2.5	3
Attainment (In-direct) = 0.2* Average above	100	83.33	100
Convert the responses given in 1/2/3 to %attainment using the formula: **%Attainment ={response/3 *100)**	20	16.66	20

Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	86.66	85.99	96.66

JSS College of Arts, Commerce and Science (Autonomous)
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Outcome Attainments 2021-22
Department: Hindi

Programme: BA

PO ID	PO (BA) **(FHA-31 to 35)**	%Attainment
PO 1	Understand culture and heritage	86.67
PO 2	Manage business affairs	83.33
PO 3	Create interest in literature	93.33
PO 4	Report and edit public events effectively	93.33
PO 5	Develop reading writing communication and reasoning skills	93.33

Programme Code: FHA 040 (FHA-31 to 35)

Course title : **Hindi Kahani sahetya Aur Vyakarna**

Paper 1

CO ID	CO	% Attainment
CO 1	**1** . Identify in details with examples kahani of 20th century	100 %
CO 2	**2.** Write down in depth kahani of 20th century	100 %
CO 3	**3**. Deliberate in depth kahani of 20th century	100 %
CO 4	**4**. Specify the classification and characteristics of Hindi vykaran	100 %
CO 5	**5.** Identify the characteristics of Hindi vykaran	100 %

Programme Code: FHB 040 (FHA-31 to 35)

Course title : **Hindi Lagu upanyasa Aur prayojan mulak Hindi**

Paper 2

CO ID	CO	% Attainment
CO 1	**1**.Learn in details with examples Novel- by kamaleshwra	100 %
CO 2	**2**Understand in details with examples Novel-by kamaleshwra	100 %
CO 3	**3**.Understand the details of Novel-by kamaleshwra	100 %
CO 4	**4**. Identify the classification and characteristics of Prayojan Mulak Hindi	100 %
CO 5	**5.** Identify the characteristics of Hindi vykaran	100 %

Programme Code: ELC 050 (21 to 25)

Course title **: Hindi** Nataka aur Vanjya Hindi

Paper 3

CO ID	CO	%Attainment
CO 1	1.Understand the characteristics of Hindi Natak	100 %
CO 2	**2** . Deliberate in details with application, if applicable, Hindi Natak - deep daan by Ramkumar varma	100 %
CO 3	**3**. Deliberate the characteristics of Hindi Natak -Red ke haddi by Jagadeshachandra mathur	100 %
CO 4	**4**. Understand the details of Hindi Natak -sukhe dale by Upendranath ashka	100 %
CO 5	**5.** Write down in details with examples Hindi Natak -mai bee manav hu by Vishnu prabakar	100 %
CO6	**6.** Identify the details of Hindi Vanijya Hindi	100 %
CO7	**7.** Specify in depth Vanijya Hindi	100 %

Programme Code: ELD 050 (21 to 25)

Course title **: Hindi** Kavya aur Anuvada Paribhashik Shabdavali

Paper 4

CO ID	CO	%Attainment
CO 1	**1**. Write down the classification and characteristics of medieval and madran Hindi Kavya	100 %
CO 2	**2.** Deliberate in details with application, if applicable, medieval - saakhi by Kaber	100 %
CO 3	**3**. Specify in details with examples Hemala by Ramadhare Simha Dinakar	100 %
CO 4	**4**. Specify in details with application, if applicable, Gurukul by Ramkumar Varma	100 %
CO 5	**5.** Specify the characteristics of Hindi Anuvada Paribhasik Shabdavali	100 %
Co6	**6** . Learn in details with examples Hindi Anuvada Paribhasik Shabdavali	100 %

1. Direct Assessment

2. Use the PO/PSO attainment in the worksheet for calculation

	PO1	PO2	PO3	PO4	PO5
Course 1	67	100	100	100	100
Course 2	66.66	100	100	100	100
Course 3	100	66.66	66.66	100	100
Course 4	100	66.66	100	66.66	100
Average above	83.41	83.41	91.66	91.66	100
Attainment (Direct) = 0.8* Average above	66.67	66.67	73.33	73.33	80

2. Indirect Assessment
Course 4
Attainment as responded by students, teachers

Response by	PO1	PO2	PO3	PO4	PO5
Students	3	2	3	3	1
Teachers	3	3	3	3	3
Average	3	2.5	3	3	2
Attainment (In-direct) = 0.2* Average above	100	83.33	100	100	66.66
Convert the responses given in 1/2/3 to %attainment using the formula: **%Attainment ={response/3 *100)**	20	16.66	20	20	13.33

Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	86.67	83.33	93.33	93.33	93.33

Programme: BBA

PO ID	PO (BBA) **(11)**	% Attainment
PO 1	Inculcate human values	86.66
PO 2	Avail job opportunities in translation	85.99
PO 3	Create interest in literature	96.66

Programme Code: FBA 040 (11)

Course title **:** Gadya ki vidhiya aur Vyakarna

Paper 1

CO ID	CO	% Attainment
CO 1	**1**.Deliberate in details with application, if applicable, short stores of 20th century	100 %
CO 2	**2**. Deliberate in details with application, if applicable, gadya by manoja guptha	100 %
CO 3	**3**. Understand the classification and characteristics of gadya by manoja guptha	100 %
CO 4	**4**. Understand in details with application, if applicable, Hindi vyakaran	100 %
CO 5	**5**. Learn the details of Hindi vyakaran	100 %
CO 6	**6.** Specify in details with application, if applicable, Hindi vyakaran	100 %

Programme Code: FBB 040 (11)

Course title **: Hindi Kahani Sangrah aur Midiya lekan**

Paper 2

CO ID	CO	% Attainment
CO 1	**1** . Specify in details with application, if applicable, Midiya lekan	100 %
CO 2	**2** . Understand the details of kahani of 20th cenyury	100 %
CO 3	**3** . Learn in details with application, if applicable, kahani of 20th cenyury	100 %
CO 4	**4** . Identify the classification and characteristics of Midiya lekan	100 %
CO 5	**5.** Deliberate the details of Hindi vyakaran	100 %
CO 6	**6.** Understand in details with application, if applicable, Midiya lekan	100 %

Programme Code: CDC050

Course title **:** Hindi Kavya aur Anuvada Paribhashik Shabdavali
Paper 3

CO ID	CO	% Attainment
CO 1	**1.** Deliberate the classification and characteristics of medieval and modern hindi kavya	100 %
CO 2	**2** . Deliberate the characteristics of medieval and modern hindi kavya	100 %
CO 3	**3** . Understand the details of Kaber by saakhe	100 %
CO 4	**4** . Identify the characteristics of Hemala by ramadhare simha dinakar, Hindi Sarkari Patrachar	100 %
CO 5	**Co5** . Learn in depth preyatham by suryakanta threepati nirala	100 %
CO 6	**Co6** . Understand the characteristics of Hindi Anuvada	100 %
Co7	**7** . Understand in depth Hindi Anuvada	100 %
Co8	**8** . Identify in details with examples Hindi Anuvada	100 %

Programme Code: CDD050

Course title **: Hindi Upanyas Tatha Vanijya Hindi**

Paper 4

CO ID	CO	% Attainment
CO 1	**1.** . Learn in details with examples Novel-Gaban by Premchand	100 %
CO 2	**2** . Understand in details with examples Novel-Gaban by Premchand	100 %
CO 3	**3.** Understand the details of Novel-Gaban by Premchand	100 %
CO 4	**4.** Identify the classification and characteristics of Vanijya HindI	100 %
CO 5	**5.** Learn the classification and characteristics of Vanijya Hindi	100 %
CO 6	**6.** Identify in details with application, if applicable, Vanijya Hindi	100 %

5.Direct Assessment

3. Use the PO/PSO attainment in the worksheet for calculation

	PO1	PO2	PO3
Course 1	100	83.33	100
Course 2	100	77.77	83.33
Course 3	66.66	100	100
Course 4	66.66	83.33	100
Average above	83.33	86.10	95.83
Attainment (Direct) = 0.8* Average above	66.66	69.66	76.66

2. Indirect Assessment
Course 4
Attainment as responded by students, teachers

Response by	PO1	PO2	PO3
Students	3	2	3
Teachers	3	3	3
Average	3	2.5	3
Attainment (In-direct) = 0.2* Average above	100	83.33	100
Convert the responses given in 1/2/3 to %attainment using the formula: **%Attainment ={response/3 *100)**	20	16.66	20

Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	86.66	85.99	96.66

Programme: BCA

PO ID	PO (BCA) **(11)**	%Attainment
PO 1	Inculcate human values	80
PO 2	Avail job opportunities in translation	76.66
PO 3	Create interest in literature	96.66

Programme Code: FAA040 (11)

Course title **:**GadyakividhiyaaurVyakarna

Paper 1

CO ID	CO	%Attainment
CO 1	**1**.Deliberate in details with application, if applicable, short stores of 20th century	100 %
CO 2	**2**. Deliberate in details with application, if applicable, gadya by manojaguptha	100 %
CO 3	**3**. Understand the classification and characteristics of gadya by manojaguptha	100 %
CO 4	**4**. Understand in details with application, if applicable, Hindi vyakaran	100 %
CO 5	**5.** Learn the details of Hindi vyakaran	100 %
CO 6	**6.** Specify in details with application, if applicable, Hindi vyakaran	100 %

Programme Code: FAB040 (11)

Course title **:Hindi KahaniSangrahaurMidiyalekan**

Paper 2

CO ID	CO	%Attainment
CO 1	**1** . Specify in details with application, if applicable, Midiyalekan	100 %
CO 2	**2** .Understand the details of kahani of 20th cenyury	100 %
CO 3	**3** . Learn in details with application, if applicable, kahani of 20th cenyury	100 %
CO 4	**4** . Identify the classification and characteristics of Midiyalekan	100 %
CO 5	**5.** Deliberate the details of Hindi vyakaran	100 %
CO 6	**6.** Understand in details with application, if applicable, Midiyalekan	100 %

Programme Code: ECC050

Course title **:** Hindi KavyaaurAnuvadaParibhashikShabdavali
Paper 3

CO ID	CO	% Attainment
CO 1	**1.**Deliberate the classification and characteristics of medieval and modern hindikavya	100 %
CO 2	**2** .Deliberate the characteristics of medieval and modern hindikavya	100 %
CO 3	**3** .Understand the details of Kaber by saakhe	100 %
CO 4	**4** . Identify the characteristics of Hemala by ramadharesimhadinakar, Hindi SarkariPatrachar	100 %
CO 5	**5** . Learn in depth preyatham by suryakantathreepatinirala	100 %
CO 6	**6** . Understand the characteristics of Hindi Anuvada	100 %
Co7	**7** . Understand in depth Hindi Anuvada	100 %
Co8	**8** . Identify in details with examples Hindi Anuvada	100 %

Programme Code: ECD050

Course title:**Hindi UpanyasTathaVanijya Hindi**

Paper 4

CO ID	CO	%Attainment
CO 1	**1.**. Learn in details with examples Novel-Gaban by Premchand	100 %
CO 2	**2** .Understand in details with examples Novel-Gaban by Premchand	100 %
CO 3	**3.**Understand the details of Novel-Gaban by Premchand	100 %
CO 4	**4.**Identify the classification and characteristics of VanijyaHindI	100 %
CO 5	**5.**Learn the classification and characteristics of Vanijya Hindi	100 %
CO 6	**6.**Identify in details with application, if applicable, Vanijya Hindi	100 %

1.Direct Assessment

1. Use the PO/PSO attainment in the worksheet for calculation

	PO1	PO2	PO3
Course 1	66.66	66.66	100
Course 2	66.66	66.66	100
Course 3	66.66	83.33	100
Course 4	100	83.33	83.33
Average above	74.99	74.99	95.83
Attainment (Direct) = 0.8* Average above	60	60	76.66

2. Indirect Assessment
Course 4
Attainment as responded by students, teachers

Response by	PO1	PO2	PO3
Students	3	2	3
Teachers	3	3	3
Average	3	2.5	3
Attainment (In-direct) = 0.2* Average above	100	83.33	100
Convert the responses given in 1/2/3 to %attainment using the formula: **%Attainment ={response/3 *100)**	20	16.66	20

Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	80	76.66	96.66

JSS COLLEGE OF ARTS, COMMERCE & SCIENCE, OOTY ROAD, MYSORE-25 (AUTONOMOUS)
UG DEPARTMENT OF ECONOMICS
OUTCOME ATTAINMENT 2021-22

Name of the Department: ECONOMICS
Programme offered: BA
Programme code : EG-31

I Semester Course code: FHA410

Course title	CO ID	CO	% Attainment
BASIC ECONOMICS-I	**CO1**	Identify the facets of an economic problem.	**100**
	CO2	Learn basic economic concepts and terms.	**100**
	CO3	Explain the operation of a market system;	**100**
	CO4	Analyse the production and cost relationships of a business firm;	**100**
	CO5	Evaluate the pricing decisions under different market structures; and	**100**
	CO6	Use basic cost-benefit calculations as a means of decision making (i.e., thinking like aneconomist)	**100**

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	75
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	66.66667
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	66.66667
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	77.77778
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	100
PO6	Understand the basics of Quantitative techniques their applications	66.66667
PO7	Critically evaluate the ongoing economic developments in India and abroad	83.33333
PO8	Understand research methods in economics	66.66667
PO9	Student develops an awareness of career choices and the option for higher studies.	66.66667

I Semester Course code: FHA420

Course title	CO ID	CO	% Attainment
CONTEMPORARY INDIAN ECONOMY	**CO1**	Understand the current problems of Indian Economy	**100**
	CO2	Identify the factors contributing to the recent growth of the Indian Economy	**100**
	CO3	Evaluate impact of LPG policies on economic growth in India	**100**
	CO4	Analyze the sector specific policies adopted for achieving the as rational goals	**100**
	CO5	Review various economic policies adopted	**100**

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	**88.88889**
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	**66.66667**
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	**66.66667**
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved	**80**
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	**100**
PO6	Understand the basics of Quantitative techniques their applications	**66.66667**
PO7	Critically evaluate the ongoing economic developments in India and abroad	**83.33333**
PO8	Understand research methods in economics	**66.66667**
PO9	Student develops an awareness of career choices and the option for higher studies.	**66.66667**

II Semester Course code: FHB410

Course title	CO ID	CO	% Attainment
BASIC ECONOMICS-II	CO1	Understand the operation of the overall economic system;	100
	CO2	Calculate national income and related aggregates	100
	CO3	Explain the relationship between macroeconomic aggregates;	100
	CO4	Analyse the nature of business cycles and policies towards controlling them;	100
	CO5	Evaluate the macroeconomic policies for solving major problems like poverty and unemployment	100

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	88.88889
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	66.66667
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	66.66667
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	80
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	100
PO6	Understand the basics of Quantitative techniques their applications	66.66667
PO7	Critically evaluate the ongoing economic developments in India and abroad	83.33333
PO8	Understand research methods in economics	66.66667
PO9	Student develops an awareness of career choices and the option for higher studies.	66.66667

II Semester Course code: FHB420

Course title	CO ID	CO	% Attainment
KARNATAKA ECONOMY	**CO1**	Understand the nature of economic growth and problems of Karnataka state.	**100**
	CO2	Explain the process of structural growth in Karnataka Economy;	**100**
	CO3	Evaluate the policies and programmes undertaken by the Govt. of Karnataka for bringingabout socio-economic development	**100**

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	**77.77778**
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	**66.66667**
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	**77.77778**
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	**77.77778**
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	**100**
PO6	Understand the basics of Quantitative techniques their applications	**66.66667**
PO7	Critically evaluate the ongoing economic developments in India and abroad	**100**
PO8	Understand research methods in economics	**66.66667**
PO9	Student develops an awareness of career choices and the option for higher studies.	**66.66667**

III Semester Course code: ELC210

Course title	CO ID	CO	% Attainment
PRINCIPLES OF MACRO ECONOMICS-I	**CO1**	Identify in details with examples Key variables of Macro Economics.	**100**
	CO2	Understand in details with examples Concepts of National Income.	**100**
	CO3	Identify the characteristics of Keynesian Macro Economics.	**100**
	CO4	Identify the characteristics of Demand for Money.	**100**
	CO5	Deliberate in depth Liquidity Theory of money.	**100**
	CO6	Identify in details with application, if applicable, Concepts of Micro and Macro Economics.	**100**

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	**77.77778**
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	**80**
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	**73.33333**
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	**66.66667**
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	**88.88889**
PO6	Understand the basics of Quantitative techniques their applications	**66.66667**
PO7	Critically evaluate the ongoing economic developments in India and abroad	**66.66667**
PO8	Understand research methods in economics	**66.66667**
PO9	Student develops an awareness of career choices and the option for higher studies.	**77.77778**

IV Semester Course code: ELD210

Course title	CO ID	CO	% Attainment
PRINCIPLES OF MACRO ECONOMICS-II	CO1	Specify in details with examples IS-LM Analysis.	100
	CO2	Learn in depth Supply side Economics.	100
	CO3	Evaluate the Concept of Multiplier and Inflation, Understand the Theories of National Income Accounting	100
	CO4	Identify the details of Rational Expectation.	
	CO5	Identify in details with examples Concept if Inflation.	
	CO6	Specify the classification and characteristics of Disequilibrium in Balance of Payment.	

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	77.77778
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	80
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	73.33333
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	66.66667
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	88.88889
PO6	Understand the basics of Quantitative techniques their applications	66.66667
PO7	Critically evaluate the ongoing economic developments in India and abroad	77.77778
PO8	Understand research methods in economics	77.77778
PO9	Student develops an awareness of career choices and the option for higher studies.	66.66667

V Semester Course code: ELE210

Course title	CO ID	CO	% Attainment
ECONOMICS OF DEVELOPMENT	CO1	Learn in depth Understand the concept of Economic development and factors affect Development.	100
	CO2	Deliberate in details with examples Differentiate Economic development and growth.	100
	CO3	Identify the characteristics of Demographic Trends.	100
	CO4	Specify in depth Harrod -Domar Growth Model. Understand the classification and characteristics of Endogenous Growth theory.	100
	CO5	Identify the details of Poverty Eradication Measures.	100
	CO6	Learn in depth Understand the concept of Economic development and factors affect Development.	100

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	75
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	66.66667
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	66.66667
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	77.77778
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	100
PO6	Understand the basics of Quantitative techniques their applications	66.66667
PO7	Critically evaluate the ongoing economic developments in India and abroad	77.77778
PO8	Understand research methods in economics	77.77778
PO9	Student develops an awareness of career choices and the option for higher studies.	66.66667

VI Semester Course code: ELF210

Course title	CO ID	CO	% Attainment
INDIAN ECONOMY	CO1	Understand the characteristics of Indian Agricultural policies.	100
	CO2	Identify the classification and characteristics of Regional variation.	100
	CO3	Write down the classification and characteristics of New Industrial Policy.	100
	CO4	Identify in depth Monetary Policy.	100
	CO5	Understand in depth FDI and WTO.	100
	CO6	Identify the details of Effects of Parallel Economy.	100

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	75
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	66.66667
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	66.66667
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	77.77778
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	77.77778
PO6	Understand the basics of Quantitative techniques their applications	77.77778
PO7	Critically evaluate the ongoing economic developments in India and abroad	77.77778
PO8	Understand research methods in economics	66.66667
PO9	Student develops an awareness of career choices and the option for higher studies.	66.66667

PO-ID	PO After completion of your study in the college:	Attainment
PO1	Students will be able to understand economic vocabulary, methodologies, tools andanalysis procedures.	83.61111
PO2	Students will be familiar with the knowledge and application of micro economics for the formulation of policies and planning.	76
PO3	Students will learn to apply economic theories and concepts to contemporary socialissues, as well as analysis of policies.	75.77778
PO4	Students will be able to understand the impact of government policies and will be ableto assess the consequences of the policies on the parties involved.	77.11112
PO5	As the programme along with economics contains like statistics, mathematics, it enhances them to compute and assess the real situation of the economy including the size and changes of population, income pattern, and rate of development with pattern ofsavings and investments and social security measures adopted in the country.	95.55556
PO6	Understand the basics of Quantitative techniques their applications	71.11112
PO7	Critically evaluate the ongoing economic developments in India and abroad	85
PO8	Understand research methods in economics	76.66667
PO9	Student develops an awareness of career choices and the option for higher studies.	70.00001

OUTCOME ATTAINMENT 2021-22

Name of the Department: POLITICAL SCIENCE

Programme offered: B A   Programme code:HP/JP 32/35

I SEMESTER   **Course code: FHA47032 /FHA47035**

Course title	CO Id	CO	%Attainment
BASICCONCEPTS OF POLITICAL SCIENCE	**CO1**	Political Science, theoretically and will gain knowledge to explain and analyse politics at large	100
	CO2	The dynamics of politics.	100
	CO3	To inculcate the democratic spirit	100

PO/Id	PO	%Attainment
PO1	Spread the messages of equality, nationality, social harmony and other human values.	100
PO2	Understand the papers such as Ancient Indian Political Ideas and Institutions throws light on the wisdom of Indian Political Thought bringing along its side the Modern Political Analysis which is skill based paper.	100
PO3	Understand voluminously about the dimensions of Indian Government, its Parliamentary Procedures, the concerns of Gender in Politics, Gandhian Philosophy and an understanding of the citizens duties and responsibilities	83.33

I SEMESTER   Course code:FHA48032/FHA48035

Course title	CO ID	CO	%Attainment
POLITICAL THEORY	CO1	The nature and relevance of Political Theory.	100
	CO2	The different concepts like Liberty, Equality, Justice and Rights.	100
	CO3	To reflect upon some of the important debates in Political Theory.	100

PO/Id	PO	%Attainment
PO1	Spread the messages of equality, nationality, social harmony and other human values.	66.66
PO2	Understand the papers such as Ancient Indian Political Ideas and Institutions throws light on the wisdom of Indian Political Thought bringing along its side the Modern Political Analysis which is skill based paper.	100
PO3	Understand voluminously about the dimensions of Indian Government, its Parliamentary Procedures, the concerns of Gender in Politics, Gandhian Philosophy and an understanding of the citizens duties and responsibilities	83.33

II SEMESTER   Course code:FHB47032/FHB47035

Course title	CO Id	Cos	%Attainment
WESTERN POLITICAL THOUGHT	CO1	And get an introduction to the Schools of Political Thought and Theory making in the West.	100
	CO2	And get an introduction to the Schools of Political Thought and Theory making in the West.	100
	CO3	And familiarize themselves to the Thought and Theory of Western Philosophy.	100

PO/Id/No.	PO	%Attainment
PO1	Spread the messages of equality, nationality, social harmony and other human values.	100
PO2	Understand the papers such as Ancient Indian Political Ideas and Institutions throws light on the wisdom of Indian Political Thought bringing along its side the Modern Political Analysis which is skill based paper.	100
PO3	Understand voluminously about the dimensions of Indian Government, its Parliamentary Procedures, the concerns of Gender in Politics, Gandhian Philosophy and an understanding of the citizens duties and responsibilities	100

II SEMESTER   Course Code:FHB48032/FHB48035

Course title	COID	CO	%Attainment
INDIAN NATIONAL MOVEMENT AND CONSTITUTIONAL DEVELOPMENT	CO1	Understand how the colonial rule was overthrown by the Indian nationalists.	100
	CO2	Appreciate the ideals and values of Gandhi that resulted in freedom.	100
	CO3	Examine the problem of Independent India and the role played by great leaders in solving them.	100

PO/Id/No.	PO	%Attainment
PO1	Spread the messages of equality, nationality, social harmony and other human values.	100
PO2	Understand the papers such as Ancient Indian Political Ideas and Institutions throws light on the wisdom of Indian Political Thought bringing along its side the Modern Political Analysis which is skill based paper.	83.33
PO3	Understand voluminously about the dimensions of Indian Government, its Parliamentary Procedures, the concerns of Gender in Politics, Gandhian Philosophy and an understanding of the citizens duties and responsibilities	100

III SEMESTER   COURSE CODE:ELC260

Course title	CO/Id	CO Statement	%Attainment
Comparative Government and politics	CO1	Specify the details of comparative governments	100
	CO2	Understand the details of classification of political systems	100
	CO3	Understand the classification and characteristics of electoral systems	100
	CO4	Learn the classification and characteristics of contemporary debates on state	87.65
	CO5	Understand in details with application, if applicable, contemporary debates	100

PO/Id/No.	PO	%Attainment
PO1	To extract, analyze, and present information from a spatial perspective.	66.66
PO2	Spread the messages of equality, nationality, social harmony and other human values.	100
PO3	Comprehend the basic structures and processes of government systems and/or theoretical underpinnings.	100
PO4	Analyze political problems, arguments, information, and/or theories.	45.55
PO5	Apply methods appropriate for accumulating and interpreting data applicable to the discipline of Political Science	98.9

IV SEMESTER   COURSE CODE :ELD260

Course title	CO Id	CO Statement	%Attainment
Introductions to International Relations	C01	Identify the classification and characteristics of approaches of international relations	100
	CO2	Specify in depth India and her neighbours relationship	100
	CO3	Specify the classification and characteristics of cold war	100
	CO4	Learn the details of relations of India with great powers	78.66
	CO5	Write down the characteristics of India's foreign policy	90.45

PO/Id/No.	PO	%Attainment
PO1	To extract, analyze, and present information from a spatial perspective.	100
PO2	Spread the messages of equality, nationality, social harmony and other human values.	100
PO3	Comprehend the basic structures and processes of government systems and/or theoretical underpinnings.	100
PO4	Analyze political problems, arguments, information, and/or theories.	98%
PO5	Apply methods appropriate for accumulating and interpreting data applicable to the discipline of Political Science	88%

V SEMESTER   COURSE CODE :ELE260

Course title	CO Id	CO Statement	%Attainment
Themes on Comparative Political Theory	CO1	Understand in details with application, if applicable, Indian political thought	100
	CO2	Specify in depth Indian political thought	100
	CO3	Identify the classification and characteristics of western political thought	100
	C04	Understand in details with examples western political thought	77.77
	CO5	Understand in depth local government Learn the details of regulatory institutions	100

PO/Id	PO	%Attainment
PO1	Spread the messages of equality, nationality, social harmony and other human values.	100
PO2	Comprehend the basic structures and processes of government systems and/or theoretical underpinnings.	33.3
PO3	Analyse political problems, arguments, information, and/or theories	80.55
PO4	Apply methods appropriate for accumulating and interpreting data applicable to the discipline of political science.	66.6667
PO5	Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes	33.33

VI SEMESTER   COURSE CODE ELF260

Course title	CO Id	CO Statement	%Attainment
Modern Governments(UK,USA,SWISS)	CO1	Understanding the world politics	100
	CO2	Enlighting the world governmental system	100
	CO3	Develop comparative study on governmental systems	100
	CO4	Deliberate the details with examples fundamental rights	100
	CO5	Understand the details of comparative study on judiciary syste	100

PO/Id	PO	%Attainment
PO1	Spread the messages of equality, nationality, social harmony and other human values.	55.55
PO2	Comprehend the basic structures and processes of government systems and/or theoretical underpinnings.	50
PO3	Apply methods appropriate for accumulating and interpreting data applicable to the discipline of political science.	77.77
PO4	Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes	100

V SEMESTER   COURSE CODE :ELE262

Course title	CO No./Id	CO Statement	%Attainment
GE:Reading Gandhi	CO1	Specify the details of reading Gandhi	100
	CO2	Deliberate in depth Gandhi and hind swaraj	100
	CO3	Learn the details of Gandhi's views on nationalism	100

PO/Id	PO	%Attainment
PO1	Analyse political problems, arguments, information, and/or theories	66.6666667
PO2	Apply methods appropriate for accumulating and interpreting data applicable to the discipline of political science.	95.5
PO3	Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes	100

1.Direct Assessment:

	PO1	PO2	PO3	PO4	PO5
BASICCONCEPTSOF POLITICAL SCIENCE	100	100	83.33		
POLITICAL THEORY	66.66	100	83.33		
WESTERN POLITICAL THOUGHT	100	100	100		
INDIAN NATIONAL MOVMENT AND CONSTITUTIONAL DEVELOPMENT	100	83.33	100		
COMPARATIVE GOVERNMENT AND POLITICS	66.66	100	100	45.55	98.9
Introductions to International Relations	100	100	100	78.66	90.45
THEMES ON COMPARATIVE POLITICAL THEORY	100	33.3	80.55	66.6667	
MODERN GOVERNMENTS	55.55	50	77.77	100	
READING GANDHI	66.66	95.5	100		
Average	83.95	84.68	91.66	72.71	94.67
Av*0.8	67.16	67.74	73.32	58.16	75.73

2. Indirect Assessment

Response by	PO1	PO2	PO3	PO4	PSO1
Students	100	100	100	100	100
Teachers	100	100	100	100	100
Average	100	100	100	100	100
Av*0.2	20	20	20	20	20

% Attainment

	PO1	PO2	PO3	PO4	PO5
Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	**87.16**	**87.74**	**93.32**	**78.16**	**95.73**

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science

Ooty Road, Mysuru – 570 025, Karnataka, India

Name of the Department: POLITICAL SCIENCE
Programmes offered: B A

List of COs, POs, and PSOs (For the year 2021-22Only):

PO/Id/No.	PO
PO1	Spread the messages of equality, nationality, social harmony and other human values.
PO2	Understand the papers such as Ancient Indian Political Ideas and Institutions throws light on the wisdom of Indian Political Thought bringing along its side the Modern Political Analysis which is skill based paper.
PO3	Understand voluminously about the dimensions of Indian Government, its Parliamentary Procedures, the concerns of Gender in Politics, Gandhian Philosophy and an understanding of the citizens duties and responsibilities

Course title	Course Code	CO No./Id	CO Statement
BASIC CONCEPTS OF POLITICAL SCIENCE	**FHA47032 /FHA47035**	**CO1**	Political Science, theoretically and will gain knowledge to explain and analyse politics at large
		CO2	The dynamics of politics.
		CO3	To inculcate the democratic spirit
POLITICAL THEORY	**FHA48032/ FHA48035**	CO1	The nature and relevance of Political Theory.
		CO2	The different concepts like Liberty, Equality, Justice and Rights.
		CO3	To reflect upon some of the important debates in Political Theory.
WESTERN POLITICAL THOUGHT	**FHB47032/ FHB47035**	CO1	And get an introduction to the Schools of Political Thought and Theory making in the West.
		CO2	And get an introduction to the Schools of Political Thought and Theory making in the West.
		CO3	And familiarize themselves to the Thought and Theory of Western Philosophy.

INDIAN NATIONAL MOVEMENT AND CONSTITUTIONAL DEVELOPMENT	FHB48032/ FHB48035	CO1	Understand how the colonial rule was overthrown by the Indian nationalists.
		CO2	Appreciate the ideals and values of Gandhi that resulted in freedom.
		CO3	Examine the problem of Independent India and the role played by great leaders in solving them.
Themes on Comparative Political Theory	ELE260	CO1	Understand in details with application, if applicable, Indian political thought
		CO2	Specify in depth Indian political thought
		CO3	Identify the classification and characteristics of western political thought
		C04	Understand in details with examples western political thought
		CO5	Understand in depth local government Learn the details of regulatory institutions
Modern Governments(UK,USA,SWISS)	ELF260	CO1	Understanding the world politics
		CO2	Enlighting the world governmental system
		CO3	Develop comparative study on governmental systems
		CO4	Deliberate the details with examples fundamental rights
		CO5	Understand the details of comparative study on judiciary system
GE:Reading Gandhi	ELE262	CO1	Specify the details of reading Gandhi
		CO2	Deliberate in depth Gandhi and hind swaraj
		CO3	Learn the details of Gandhi's views on nationalism

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: COMMERCE AND MANAGEMENT

Programme Name: B.COM   **Programme Code:**

Session/Year 2021-22

List of POs & PSOs

POID	PO Statement – On successful completion of this Programme, students will be enable to work in ;
PO1	Industries and Multinational Companies
PO2	Banking Sectors and Insurance Companies
PO3	Financing and Leasing Companies
P04	Transport Agencies and Warehousing
P05	Stock Markets and Foreign Trade

Course Title: Financial Accounting   **Course Code: ENA 210**

Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the theoretical framework of accounting as well accounting standards.	100
CO2	Understand the accounting treatment for royalty transactions & articulate the Royalty agreements.	95
CO3	Demonstrate the preparation of financial statement of manufacturing and nonmanufacturing entities of sole proprietors.	89
CO4	Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee.	76
Or as designed in the curriculum		

Course Title: Business Organisation and Management   **Course Code: ENA 220**
Name of Course In-charge/Coordinator: Yashaswini S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Design and demonstrate the strategic plan for the attainment of organisational goals.	100
CO2	Differentiate the different types of authority and chose the best one in the present context.	95
CO3	Compare and chose the different types of motivation factors and leadership styles.	95
CO4	Choose the best controlling techniques for better productivity of an organisation	100
Or as designed in the curriculum		

Course Title: Banking and Insurance   **Course Code: ENA 230**
Name of Course In-charge/Coordinator: Yamunashree V

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the basic concepts of Banking	100
CO2	Judge the impact of schemes of banks on self employment	95
CO3	Analyse the the present scenario of banking services	89
CO4	Analyse the the present scenario of Insurance services	76
Or as designed in the curriculum		

Course Title: Cost Accounting   **Course Code: ENB 210**

Name of Course In-charge/Coordinator: Navyashree M B

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand concepts of cost accounting & Methods of Costing.	100
CO2	Outline the Procedure and documentations involved in procurement of materials& compute the valuation of Inventory.	95
CO3	Make use of payroll procedures & compute idle and over time.	89
CO4	Prepare cost sheet & discuss cost allocation under ABC.	76
Or as designed in the curriculum		

Course Title: Financial Accounting -II   **Course Code: ENB 220**
Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the theoretical framework of accounting as well accounting standards.	100
CO2	Understand the accounting treatment for royalty transactions & articulate the Royalty agreements.	95
CO3	Demonstrate the preparation of financial statement of manufacturing and nonmanufacturing entities of sole proprietors.	89
CO4	Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee.	76
Or as designed in the curriculum		

Course Title: Principles of Marketing   **Course Code: ENB 230**
Name of Course In-charge/Coordinator: Navyashree M B

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Analyse the consumer behaviour in the present scenario and marketing segmentation.	100
CO2	Discover the new product development & identify the factors affecting the price of a product in the present context.	95
CO3	Judge the impact of promotional techniques on the customers & importance of channels of distribution.	89
CO4	Outline the recent developments in the field of marketing	76
Or as designed in the curriculum		

Course Title: Principles and Practices of General Insurance **Course Code: ENC 260**
Name of Course In-charge/Coordinator: Pramod H M
List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Determine the loss exposures of properties, human lives, business operations	100
CO2	Identify the financial consequences because of the occurrence of a loss.	95
CO3	Apply the knowledge of current information, models, and techniques	89
CO4	Practices in all of the major business disciplines.	76
Or as designed in the curriculum		

Course Title: Logistics and supply Chain Management   **Course Code: ENC 270**
Name of Course In-charge/Coordinator: Mamtha M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Provide an opportunity for comprehensive analysis	100
CO2	To evaluate the achievement of competitive advantage through logistics framework	95
CO3	Discussion of key contemporary issues and problems in logistics management.	89
CO4	Outline the recent developments in the field of marketing	76
Or as designed in the curriculum		

Course Title: Corporate Accounting - II   **Course Code: END 210**
Name of Course In-charge/Coordinator: Mamtha M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Know the procedure of redemption of preference shares.	100
CO2	Comprehend the different methods of Mergers and Acquisition of Companies	97
CO3	Understand the process of internal reconstruction	95
CO4	Prepare the liquidators final statement of accounts.	92
Or as designed in the curriculum		

Course Title: Quantitative Techniques   **Course Code: END 230**
Name of Course In-charge/Coordinator: Ramesh K

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	% Attainment (Overall)
CO1	Recognize the laws and its application in business activities.	100
CO2	Acquire knowledge of business decision models.	97
CO3	Understand in depth Ratio proportion and variation	98
CO4	Learn in depth the the different tools applicable for business decision	95
Or as designed in the curriculum		

Course Title: Entrepreneurship Development   **Course Code: ENE 210**
Name of Course In-charge/Coordinator: Pramod H M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	% Attainment (Overall)
CO1	Specify in details the different types of entrpreneurs	97
CO2	Identify in detail with examples to easily different financial schemes offered by Banks and Government Agencies	98
CO3	Understand in depth and identify the social responsibility of an entrepreneur towards different sectors	95
CO4	Learn in depth the Self employment opportunities	92
Or as designed in the curriculum		

Course Title: IFRS (IND - AS) **Course Code: ENF 220**
Name of Course In-charge/Coordinator: Asha L

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Learn in detail with examples Accounting for assets and liabilities	97
CO2	Understand the details of IND AS in relation to accounting for Revenue and Expenses	100
CO3	Learn in detail with examples IND AS on business combination	98
CO4	Deliberate the characteristics of IFRS	94
Or as designed in the curriculum		

Course Title: Goods and Services Tax **Course Code: ENF 300**
Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Learn in details provisions of GST to handle TDS and POS online	100
CO2	Understand the provisions of integrated goods and service Tax Act, 2017	95
CO3	Understand the technology and flow of return filing under GST	89
CO4	Learn in details and gain knowledge to practice as GST Consultant	76
Or as designed in the curriculum		

Course Title: Financial Management -I   **Course Code: ENF 310**
Name of Course In-charge/Coordinator: Navyashree M B

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Identify the details of various sources of finance	100
CO2	Identify the characteristics of capital structure and factors affecting the capital Structure	95
CO3	Learn the characteristics of different methods of time value of money and its strucutre	89
CO4	Learn the details of Capital Budgeting	76
Or as designed in the curriculum		

Course Title: Principles and Practice of Auditing   **Course Code: ENF 210**
Name of Course In-charge/Coordinator: Mamtha M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Learn the characteristics of errors and frauds and minimize them in maintenance of books of accounts	100
CO2	Identify the details of audit planning	95
CO3	Learn in depth verification and valuation of Assets and Liabilities	89
CO4	Deliberate in details with examples audit of different types of organizations	76
Or as designed in the curriculum		

Course Title: Business Law   **Course Code: ENF 220**
Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the characteristics of legal environment and practice business ethics	100
CO2	Learn in depth and apply the basic legal knowledge to business enterprises	95
CO3	Identify and appointed as member of various commerce and legal boards / committee	89
CO4	Specify the details of Information technologies Act	76
Or as designed in the curriculum		

Course Title: Financial Management - II   **Course Code: ENF 310**
Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Deliberate the details of working capital management	100
CO2	Understand the details of working capital financing	95
CO3	Deliberate in details with examples Venture capital financing	89
CO4	Learn in depth the details of shareholders value creation	76
Or as designed in the curriculum		

Course Title: Advanced Cost and management Accounting   **Course Code: ENF 320**
Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the details of management accounting	100
CO2	Learn in depth the details of financial statement analysis techniques	95
CO3	Analyze the inflow and outflow of cash and able to prepare cash flow statement	89
CO4	Understand the characteristics of different types of ratios	76
Or as designed in the curriculum		

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
Ooty Road, Mysuru
Department: COMMERCE AND MANAGEMENT
Programme Name: BBA   **Programme Code:**
Session/Year 2021-22
List of POs & PSOs

POID	PO Statement – On successful completion of this Programme, students will be enable to work in ;
PO1	Financial Analysts, Tax consultants, Tax Practitioners and Investment consultants
PO2	Financial and management accountants
PO3	Marketing Manager, Store manager, Purchase Manager and Sales Manager
P04	Human Resources Manager, Counsellor
P05	Retail Manager, Middle men and Customer relation manager

Course Title: Business Organisation and Management   **Course Code: CBA 410**
Name of Course In-charge/Coordinator: Yashaswini S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand and identify the different theories of organisations, which are relevant in the present context.	100
CO2	Design and demonstrate the strategic plan for the attainment of organisational goals.	95
CO3		89
CO4		76
Or as designed in the curriculum		

Course Title: Financial Accounting   **Course Code: CDA 420**
Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the theoretical framework of accounting as well accounting standards.	97
CO2	Understand the accounting treatment for royalty transactions & articulate the Royalty agreements.	95
CO3	Demonstrate the preparation of financial statement of manufacturing and nonmanufacturing entities of sole proprietors.	100
CO4	Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee.	97
Or as designed in the curriculum		

Course Title: Marketing Management   **Course Code: CDA 430**
Name of Course In-charge/Coordinator: Yashaswini S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the concepts and functions of marketing.	100
CO2	Analyse marketing environment impacting the business.	98
CO3	Segment the market and understand the consumer behaviour	95
CO4	Enable students learn to media decision	96
Or as designed in the curriculum		

Course Title: Human Resource Management   **Course Code: CDB 420**
Name of Course In-charge/Coordinator: Sreelalitha K G

List of COs

CO ID	**CO Statement -** On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Ability to describe the role and responsibility of Human resources management functions on business	95
CO2	Ability to describe HRP, Recruitment and Selection process	96
CO3	Ability to describe to induction, training, and compensation aspects.	65
CO4	Ability to explain performance appraisal and its process.	100
Or as designed in the curriculum		

Course Title: Business Environment   **Course Code: CDB 430**
Name of Course In-charge/Coordinator: Yamunashree V

List of COs

CO ID	**CO Statement -** On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	An Understanding of components of business environment.	100
CO2	Ability to analyse the environmental factors influencing business organisation.	95
CO3	Ability to demonstrate Competitive structure analysis for select industry	96
CO4	Ability to explain the impact of fiscal policy and monetary policy on business.	95
Or as designed in the curriculum		

Course Title: Financial management   **Course Code: CDB 410**
Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	The ability to understand the process of public issue of shares and accounting for the same	100
CO2	The ability to prepare final accounts of joint stock companies.	97
CO3	The ability to prepare and evaluate vertical and horizontal analysis of financial statements	95
CO4	The ability to understand the process of public issue of shares and accounting for the same	94
Or as designed in the curriculum		

Course Title: Cost and management Accounting   **Course Code: CDC410**
Name of Course In-charge/Coordinator: Savitha R

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	The ability to understand company's annual reports.	100
CO2	Understand the elements of costing and preparation of cost sheet	95
CO3	The ability to prepare material requisitions and management of store.	89
CO4	The ability to compare and contrast labour cost techniques.	76
Or as designed in the curriculum		

Course Title: Organisational Behaviour   **Course Code: CDC 420**
Name of Course In-charge/Coordinator: Pramod H M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	% Attainment (Overall)
CO1	Ability to reconcile the cost.	100
CO2	To recall role of OB in business organization.	95
CO3	Able to understand group dynamics in an organization.	89
CO4	Able to understand the change management	76
Or as designed in the curriculum		

Course Title: Statistics for Business Decisions   **Course Code: CDC 430**
Name of Course In-charge/Coordinator: Nagarathna S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	% Attainment (Overall)
CO1	To understand the requirements of statistical framework	97
CO2	To construct and visualize the data.	96
CO3	To determine the data adequacy for analysis.	95
CO4	To Review the data by using various tools.	97
Or as designed in the curriculum		

Course Title: Management Accounting   **Course Code: CDD 410**
Name of Course In-charge/Coordinator: Ramesh K

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	% Attainment (Overall)
CO1	Able to understand the concept of Management Accounting.	100
CO2	To Understand and recall ratios and apply the same on given case.	95
CO3	To construct cash flow statement	89
CO4	Should be able to apply Marginal cost rations to make business decisions.	76
Or as designed in the curriculum		

Course Title: Financial Management   **Course Code: CDD 430**
Name of Course In-charge/Coordinator: Ramesh K

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	% Attainment (Overall)
CO1	Able to Summarize the concept of stock market	100
CO2	To identify the goals of financial management.	95
CO3	To appraise the concepts of time value of money.	89
CO4	To understand the different models of dividend policy.	76
Or as designed in the curriculum		

Course Title: Entrepreneurship Development   **Course Code: CDF 210**
Name of Course In-charge/Coordinator: Pramod H M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Learn in depth qualities of an entrepreneur and able to become an entrepreneur	100
CO2	Write down the details of financial schemes offered by banks and government agencies and able to access them easily	95
CO3	Learn the details of mobilization of resources	89
CO4	Learn in depth the characteristics of customer and able to identify the customer	76
Or as designed in the curriculum		

Course Title: Human Resource Management - I   **Course Code: CDF 274**
Name of Course In-charge/Coordinator: Mamtha M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand and identify the objectives, principles, factors influencing wage and salary Administration	100
CO2	Understand the concept of wage policy in India	95
CO3	Learn in depth the objectives of fringe benefits.	89
CO4	Learn in depth the Methods of performance appraisal	76
Or as designed in the curriculum		

Course Title: Financial Management -I   **Course Code: CDF 284**
Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand and identify the features, importance, contribution of financial service in promoting industry and service	100
CO2	Understand the concept of money market and capital market.	95
CO3	Learn in depth the Scope of merchant banking services	89
CO4	Learn in depth the growth of merchant banking in India	76
Or as designed in the curriculum		

Course Title: Human Resource Management-II   **Course Code: CDF 276**
Name of Course In-charge/Coordinator: Sreelalitha K G

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand and identify conditions necessary for employee empowerment	100
CO2	Understand the concept of Quality circles	95
CO3	Learn in depth the types of social Security	89
CO4	Understand and identify the measures to strengthen trade Union movement in India	76
Or as designed in the curriculum		

Course Title: Financial Management- II   **Course Code: CDF 286**
Name of Course In-charge/Coordinator: Yashaswini S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;	%Attainment (Overall)
CO1	Understand the concept of Portfolio Management Process- Approaches to Investment Decision making Portfolio Management Process- Approaches to Investment Decision making	100
CO2	Understand the concept of Risk and Return	95
CO3	Understand and identify the features, importance, contribution of financial service in promoting industry and service	89
CO4	Understand the concept of Portfolio Return and Risk-Measurement	76
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: COMMERCE AND MANAGEMENT

Programme Name: B.COM   **Programme Code:**

Session/Year 2020-21

List of POs & PSOs

POID	PO Statement – On successful completion of this Programme, students will be enable to work in ;
PO1	Industries and Multinational Companies
PO2	Banking Sectors and Insurance Companies
PO3	Financing and Leasing Companies
P04	Transport Agencies and Warehousing
P05	Stock Markets and Foreign Trade

Course Title: Financial Accounting   **Course Code: ENA 210**

Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand the theoretical framework of accounting as well accounting standards.
CO2	Understand the accounting treatment for royalty transactions & articulate the Royalty agreements.
CO3	Demonstrate the preparation of financial statement of manufacturing and nonmanufacturing entities of sole proprietors.
CO4	Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee.
Or as designed in the curriculum	

Course Title: Business Organisation and Management   **Course Code: ENA 220**
Name of Course In-charge/Coordinator: Yashaswini S
List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Design and demonstrate the strategic plan for the attainment of organisational goals.
CO2	Differentiate the different types of authority and chose the best one in the present context.
CO3	Compare and chose the different types of motivation factors and leadership styles.
CO4	Choose the best controlling techniques for better productivity of an organisation
Or as designed in the curriculum	

Course Title: Banking and Insurance   **Course Code: ENA 230**
Name of Course In-charge/Coordinator: Yamunashree V

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand the basic concepts of Banking
CO2	Judge the impact of schemes of banks on self employment
CO3	Analyse the the present scenario of banking services
CO4	Analyse the the present scenario of Insurance services
Or as designed in the curriculum	

Course Title: Cost Accounting　　　　　　　　**Course Code: ENB 210**

Name of Course In-charge/Coordinator: Navyashree M B

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand concepts of cost accounting & Methods of Costing.
CO2	Outline the Procedure and documentations involved in procurement of materials& compute the valuation of Inventory.
CO3	Make use of payroll procedures & compute idle and over time.
CO4	Prepare cost sheet & discuss cost allocation under ABC.
Or as designed in the curriculum	

Course Title: Financial Accounting -II　　　　　　**Course Code: ENB 220**
Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand the theoretical framework of accounting as well accounting standards.
CO2	Understand the accounting treatment for royalty transactions & articulate the Royalty agreements.
CO3	Demonstrate the preparation of financial statement of manufacturing and nonmanufacturing entities of sole proprietors.
CO4	Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee.
Or as designed in the curriculum	

Course Title: Principles of Marketing   **Course Code: ENB 230**
Name of Course In-charge/Coordinator: Navyashree M B

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Analyse the consumer behaviour in the present scenario and marketing segmentation.
CO2	Discover the new product development & identify the factors affecting the price of a product in the present context.
CO3	Judge the impact of promotional techniques on the customers & importance of channels of distribution.
CO4	Outline the recent developments in the field of marketing
Or as designed in the curriculum	

Course Title: Principles and Practices of General Insurance **Course Code: ENC 260**
Name of Course In-charge/Coordinator: Pramod H M
List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Determine the loss exposures of properties, human lives, business operations
CO2	Identify the financial consequences because of the occurrence of a loss.
CO3	Apply the knowledge of current information, models, and techniques
CO4	Practices in all of the major business disciplines.
Or as designed in the curriculum	

Course Title: Logistics and supply Chain Management   **Course Code: ENC 270**
Name of Course In-charge/Coordinator: Mamtha M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Provide an opportunity for comprehensive analysis
CO2	To evaluate the achievement of competitive advantage through logistics framework
CO3	Discussion of key contemporary issues and problems in logistics management.
CO4	Outline the recent developments in the field of marketing
Or as designed in the curriculum	

Course Title: Corporate Accounting - II   **Course Code: END 210**
Name of Course In-charge/Coordinator: Mamtha M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Know the procedure of redemption of preference shares.
CO2	Comprehend the different methods of Mergers and Acquisition of Companies
CO3	Understand the process of internal reconstruction
CO4	Prepare the liquidators final statement of accounts.
Or as designed in the curriculum	

Course Title: Quantitative Techniques   **Course Code: END 230**
Name of Course In-charge/Coordinator: Ramesh K

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Recognize the laws and its application in business activities.
CO2	Acquire knowledge of business decision models.
CO3	Understand in depth Ratio proportion and variation
CO4	Learn in depth the the different tools applicable for business decision
Or as designed in the curriculum	

Course Title: Entrepreneurship Development   **Course Code: ENE 210**
Name of Course In-charge/Coordinator: Pramod H M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Specify in details the different types of entrpreneurs
CO2	Identify in detail with examples to easily different financial schemes offered by Banks and Government Agencies
CO3	Understand in depth and identify the social responsibility of an entrepreneur towards different sectors
CO4	Learn in depth the Self employment opportunities
Or as designed in the curriculum	

Course Title: IFRS (IND - AS)   **Course Code: ENF 220**
Name of Course In-charge/Coordinator: Asha L

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Learn in detail with examples Accounting for assets and liabilities
CO2	Understand the details of IND AS in relation to accounting for Revenue and Expenses
CO3	Learn in detail with examples IND AS on business combination
CO4	Deliberate the characteristics of IFRS
Or as designed in the curriculum	

Course Title: Goods and Services Tax   **Course Code: ENF 300**
Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Learn in details provisions of GST to handle TDS and POS online
CO2	Understand the provisions of integrated goods and service Tax Act, 2017
CO3	Understand the technology and flow of return filing under GST
CO4	Learn in details and gain knowledge to practice as GST Consultant
Or as designed in the curriculum	

Course Title: Financial Management -I   **Course Code: ENF 310**
Name of Course In-charge/Coordinator: Navyashree M B

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Identify the details of various sources of finance
CO2	Identify the characteristics of capital structure and factors affecting the capital Structure
CO3	Learn the characteristics of different methods of time value of money and its strucutre
CO4	Learn the details of Capital Budgeting
Or as designed in the curriculum	

Course Title: Principles and Practice of Auditing   **Course Code: ENF 210**
Name of Course In-charge/Coordinator: Mamtha M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Learn the characteristics of errors and frauds and minimize them in maintenance of books of accounts
CO2	Identify the details of audit planning
CO3	Learn in depth verification and valuation of Assets and Liabilities
CO4	Deliberate in details with examples audit of different types of organizations
Or as designed in the curriculum	

Course Title: Business Law   **Course Code: ENF 220**
Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand the characteristics of legal environment and practice business ethics
CO2	Learn in depth and apply the basic legal knowledge to business enterprises
CO3	Identify and appointed as member of various commerce and legal boards / committee
CO4	Specify the details of Information technologies Act
Or as designed in the curriculum	

Course Title: Financial Management - II   **Course Code: ENF 310**
Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Deliberate the details of working capital management
CO2	Understand the details of working capital financing
CO3	Deliberate in details with examples Venture capital financing
CO4	Learn in depth the details of shareholders value creation
Or as designed in the curriculum	

Course Title: Advanced Cost and management Accounting   **Course Code: ENF 320**
Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand the details of management accounting
CO2	Learn in depth the details of financial statement analysis techniques
CO3	Analyze the inflow and outflow of cash and able to prepare cash flow statement
CO4	Understand the characteristics of different types of ratios
Or as designed in the curriculum	

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: COMMERCE AND MANAGEMENT

Programme Name: BBA   **Programme Code:**

Session/Year 2020-21

List of POs & PSOs

POID	PO Statement – On successful completion of this Programme, students will be enable to work in ;
PO1	Financial Analysts, Tax consultants, Tax Practitioners and Investment consultants
PO2	Financial and management accountants
PO3	Marketing Manager, Store manager, Purchase Manager and Sales Manager
P04	Human Resources Manager, Counsellor
P05	Retail Manager, Middle men and Customer relation manager

Course Title: Business Organisation and Management   **Course Code: CBA 410**

Name of Course In-charge/Coordinator: Yashaswini S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand and identify the different theories of organisations, which are relevant in the present context.
CO2	Design and demonstrate the strategic plan for the attainment of organisational goals.
CO3	
CO4	
Or as designed in the curriculum	

Course Title: Financial Accounting   **Course Code: CDA 420**

Name of Course In-charge/Coordinator: Nagashree N

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand the theoretical framework of accounting as well accounting standards.
CO2	Understand the accounting treatment for royalty transactions & articulate the Royalty agreements.
CO3	Demonstrate the preparation of financial statement of manufacturing and nonmanufacturing entities of sole proprietors.
CO4	Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee.
Or as designed in the curriculum	

Course Title: Marketing Management   **Course Code: CDA 430**
Name of Course In-charge/Coordinator: Yashaswini S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand the concepts and functions of marketing.
CO2	Analyse marketing environment impacting the business.
CO3	Segment the market and understand the consumer behaviour
CO4	Enable students learn to media decision
Or as designed in the curriculum	

Course Title: Human Resource Management   **Course Code: CDB 420**
Name of Course In-charge/Coordinator: Sreelalitha K G

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Ability to describe the role and responsibility of Human resources management functions on business
CO2	Ability to describe HRP, Recruitment and Selection process
CO3	Ability to describe to induction, training, and compensation aspects.
CO4	Ability to explain performance appraisal and its process.
Or as designed in the curriculum	

Course Title: Business Environment   **Course Code: CDB 430**
Name of Course In-charge/Coordinator: Yamunashree V

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	An Understanding of components of business environment.
CO2	Ability to analyse the environmental factors influencing business organisation.
CO3	Ability to demonstrate Competitive structure analysis for select industry
CO4	Ability to explain the impact of fiscal policy and monetary policy on business.
Or as designed in the curriculum	

Course Title: Financial management   **Course Code: CDB 410**
Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	The ability to understand the process of public issue of shares and accounting for the same
CO2	The ability to prepare final accounts of joint stock companies.
CO3	The ability to prepare and evaluate vertical and horizontal analysis of financial statements
CO4	The ability to understand the process of public issue of shares and accounting for the same
Or as designed in the curriculum	

Course Title: Cost and management Accounting   **Course Code: CDC410**
Name of Course In-charge/Coordinator: Savitha R

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	The ability to understand company's annual reports.
CO2	Understand the elements of costing and preparation of cost sheet
CO3	The ability to prepare material requisitions and management of store.
CO4	The ability to compare and contrast labour cost techniques.
Or as designed in the curriculum	

Course Title: Organisational Behaviour   **Course Code: CDC 420**
Name of Course In-charge/Coordinator: Pramod H M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Ability to reconcile the cost.
CO2	To recall role of OB in business organization.
CO3	Able to understand group dynamics in an organization.
CO4	Able to understand the change management
Or as designed in the curriculum	

Course Title: Statistics for Business Decisions   **Course Code: CDC 430**
Name of Course In-charge/Coordinator: Nagarathna S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	To understand the requirements of statistical framework
CO2	To construct and visualize the data.
CO3	To determine the data adequacy for analysis.
CO4	To Review the data by using various tools.
Or as designed in the curriculum	

Course Title: Management Accounting   **Course Code: CDD 410**
Name of Course In-charge/Coordinator: Ramesh K

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Able to understand the concept of Management Accounting.
CO2	To Understand and recall ratios and apply the same on given case.
CO3	To construct cash flow statement
CO4	Should be able to apply Marginal cost rations to make business decisions.
Or as designed in the curriculum	

Course Title: Financial Management   **Course Code: CDD 430**

Name of Course In-charge/Coordinator: Ramesh K

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Able to Summarize the concept of stock market
CO2	To identify the goals of financial management.
CO3	To appraise the concepts of time value of money.
CO4	To understand the different models of dividend policy.
Or as designed in the curriculum	

Course Title: Entrepreneurship Development   **Course Code: CDF 210**

Name of Course In-charge/Coordinator: Pramod H M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Learn in depth qualities of an entrepreneur and able to become an entrepreneur
CO2	Write down the details of financial schemes offered by banks and government agencies and able to access them easily
CO3	Learn the details of mobilization of resources
CO4	Learn in depth the characteristics of customer and able to identify the customer
Or as designed in the curriculum	

Course Title: Human Resource Management - I   **Course Code: ENA 220**
Name of Course In-charge/Coordinator: Mamtha M

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand and identify the objectives, principles, factors influencing wage and salary Administration
CO2	Understand the concept of wage policy in India
CO3	Learn in depth the objectives of fringe benefits.
CO4	Learn in depth the Methods of performance appraisal
Or as designed in the curriculum	

Course Title: Financial Management -I   **Course Code: CDF 284**
Name of Course In-charge/Coordinator: Pushpa CSV

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand and identify the features, importance, contribution of financial service in promoting industry and service
CO2	Understand the concept of money market and capital market.
CO3	Learn in depth the Scope of merchant banking services
CO4	Learn in depth the growth of merchant banking in India
Or as designed in the curriculum	

Course Title: Human Resource Management-II   **Course Code: CDF 276**
Name of Course In-charge/Coordinator: Sreelalitha K G

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand and identify conditions necessary for employee empowerment
CO2	Understand the concept of Quality circles
CO3	Learn in depth the types of social Security
CO4	Understand and identify the measures to strengthen trade Union movement in India
Or as designed in the curriculum	

Course Title: Financial Management- II   **Course Code: CDF 286**

Name of Course In-charge/Coordinator: Yashaswini S

List of COs

CO ID	CO Statement - On successful completion of the course, the Students will be able to;
CO1	Understand the concept of Portfolio Management Process- Approaches to Investment Decision making Portfolio Management Process- Approaches to Investment Decision making
CO2	Understand the concept of Risk and Return
CO3	Understand and identify the features, importance, contribution of financial service in promoting industry and service
CO4	Understand the concept of Portfolio Return and Risk-Measurement
Or as designed in the curriculum	

Department: **Journalism**   Programme: **BA**

PO Attainment

Programme Code: **BAJP45 (NEP)**

POID	PO	100 % Attainment
BAJP451	The programme aims to churn out responsible media professionals who would contribute positively to the society.	88.89
BAJP452	The programme aims to facilitate better career opportunities for all those students of this course and get them to tackle challenges in the professional setup.	93.34
BAJP453	The programme aims to strike a balance between the dynamic working environment and professional ethics in the field of journalism and mass communication.	87.22

Programme Code: **BA25(CBCS)**

POID	PO	100 % Attainment
BA251	Acquire a functional knowledge of the underlying principles and recent emerging trends of the media industry.	78.34
BA252	Create a design emerging audio media production.	85
BA253	Conceptualize, create, design and strategies high-quality media content for various digital platforms.	86.67
BA254	Appreciate and demonstrate the ability to produce reliable outcome.	76.67
BA255	Demonstrate critical reading, writing and thinking skills.	86.67
BA256	Locate, evaluate, organize and incorporate information effectively.	85
BA257	Develop and carry out research project.	80
BA258	Demonstrate competence in Standard English Language and usage in documentation.	86.67

CO Attainment

Programme Code: **BAJP45 (NEP)**

Course Title: Introduction to Journalism

CO ID	CO	%Attainment
FHA5301	To identify the distinct nature of journalism and its professional aspects, including career opportunities.	100%
FHA5302	To familiarize and use terms specific to Media.	100%
FHA5303	To acquaint the students about the historical perspective of Indian journalism.	100%
FHA5304	To upgrade the students with the current practices.	100%

Course Title: Computer Application For Media

CO ID	CO	%Attainment
FHB5301	Students will be equipped with computer related media skills.	100%
FHB5302	Students will get hands on experience on various computer applications .	100%
FHB5303	Students will independently be able to create new media content.	100%

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: Physics
Programme Name: B.Sc   **Programme Code:**
Session/Year: 2021-22
List of POs & PSOs

POID	PO Statement	% Attainment (Overall)*
PO1(NEP)	Discipline Knowledge: Knowledge of science and ability to apply to relevant areas.	72.57
PO2	Problem solving: Execute a solution process using first principles of science to solve problems related to respective discipline.	76.68
PO3	Modern tool usage: Use a modern scientific, engineering and IT tool or technique for solving problems in the areas of their discipline.	92
PO4	Ethics: Apply the professional ethics and norms in respective discipline.	73.32
PO5	Individual and teamwork: Work effectively as an individual as a team member in a multidisciplinary team.	73.32
PO1(cbcs)	Demonstrate proficiency in mathematics and the mathematical concepts needed for a proper understanding of physics	-
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	-
PO3	Develop state of the art laboratory and professional communication skills	-
PO4	Apply the scientific method to design, execute and analyse an experiment	-

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: **Course Code:**

Name of Course In-charge/Coordinator:

Course title	Course Code	CO Statement	% Attainment
I SEM Mechanics and Propertis of matter	FSA41031	Will learn fixing units, tabulation of observations, analysisof data (graphical/analytical)	88.73
	FSA41032	Will learn about accuracy of measurement and sources of errors, importance of significant figures.	88.73
	FSA41033	Will know how g can be determined experimentally and derive satisfaction.	95.77
	FSA41034	Will see the difference between simple and torsional pendulum and their use in the determination of various physical parameters.	98.59
	FSA41035	Will come to know how various elastic moduli can be determined.	97.18
II SEM Electricity and Magnetism	FSB41031	Demonstrate Gauss law, Coulomb's law for the electric field, and apply it to systems of point charges as well as line, surface, and volume distributions of charges.	87.32
	FSB41032	Explain and differentiate the vector (electric fields, Coulomb's law) and scalar (electric potential, electric potential energy) formalisms of electrostatics.	87.32
	FSB41033	Apply Gauss's law of electrostatics to solve a variety of problems.	94.36
	FSB41034	Describe the magnetic field produced by magnetic dipoles and electric currents.	94.36
III SEM Thermal physics and statistical physics	DMC29001	Write down the classification and characteristics of laws of thermodynamics	97.01
	DMC29002	Have a clear understanding about reversible and irreversible process	94.77
	DMC29003	Understand the classification and characteristics of entropy and thermodynamic Potential	100
IV SEM Waves and Optics	DMD29001	Specify the classification and characteristics of Fourier theorem	88.8
	DMD29002	Learn in detail with application, superposition of simple harmonic motion	94.77
	DMD29003	.Learn the details of Interference, diffraction and polarization	100
V SEM Solid State Physics	DME29201	Write down in detail with application of crystal structure	97.35
	DME29202	Write down the details of elementary lattice dynamics	99.33
	DME29203	Deliberate in detail with examples magnetic properties of matter	100
V SEM Renewable energy and Energy harvesting	DME29601	Understand the characteristics of fossil fuel	97.35
	DME29602	Learn in detail with application of wind energy	99.33
VI SEM Nuclear and particle physics	DMF29201	Write down in detail with application and properties of nuclei	94.03
	DMF29202	Learn in details with application and properties of nuclei	96.02
	DMF29203	Understand in detail with examples radioactivity	96.68

Programme Code: **BA25**
Course Title: Reporting and Editing Techniques

CO ID	CO	%Attainment
ELE270251	Prepare news copy	100%
ELE270252	Specialize as fashion reporter	100%
ELE270253	Prepare news copy and editing	100%
ELE270254	Become Freelance journalist	100%

Course Title: Practice of Advertising and Public Relation

CO ID	CO	%Attainment
ELF270251	Setup advertising agency.	100%
ELF270252	Prepare the advertising copy for print.	100%
ELF270253	Become script writer-marketing research	100%
ELF270254	Become PRO and event campaigner.	100%

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: **Physics**
Programme Name: **Programme Code:**
Session/Year: 2021-22
List of POs & PSOs

POID	PO Statement(I & II SEM)
PO1	Discipline Knowledge: Knowledge of science and ability to apply to relevant areas.
PO2	Problem solving: Execute a solution process using first principles of science to solve problems related to respective discipline.
PO3	Modern tool usage: Use a modern scientific, engineering and IT tool or technique for solving problems in the areas of their discipline.
PO4	Ethics: Apply the professional ethics and norms in respective discipline.
PO5	Individual and teamwork: Work effectively as an individual as a team member in a multidisciplinary team.
PO1(cbcs)	Demonstrate proficiency in mathematics and the mathematical concepts needed for a proper understanding of physics
PO2	Demonstrate the ability to justify and explain their thinking and/or approach
PO3	Develop state of the art laboratory and professional communication skills
PO4	Apply the scientific method to design, execute and analyse an experiment

Course Title: **Course Code:**
Name of Course In-charge/Coordinator:
List of Cos : 2021-22

Course title	Course Code	CO No./Id	CO Statement
I SEM Mechanics and Propertis of matter	FSA41031	FSA41031	Will learn fixing units, tabulation of observations, analysisof data (graphical/analytical)
	FSA41032	FSA41032	Will learn about accuracy of measurement and sources of errors, importance of significant figures.
	FSA41033	FSA41033	Will know how g can be determined experimentally and derive satisfaction.
	FSA41034	FSA41034	Will see the difference between simple and torsional pendulum and their use in the determination of various physical parameters.
	FSA41035	FSA41035	Will come to know how various elastic moduli can be determined.
II SEM Electricity and Magnetisam	FSB41031	FSB41031	Demonstrate Gauss law, Coulomb's law for the electric field, and apply it to systems of point charges as well as line, surface, and volume distributions of charges.
	FSB41032	FSB41032	Explain and differentiate the vector (electric fields, Coulomb's law) and scalar (electric potential, electric potential energy) formalisms of electrostatics.
	FSB41033	FSB41033	Apply Gauss's law of electrostatics to solve a variety of problems.
	FSB41034	FSB41034	Describe the magnetic field produced by magnetic dipoles and electric currents.
III SEM Thermal physics and statistical physics	DMC29001	DMC29001	Write down the classification and characteristics of laws of thermodynamics
	DMC29002	DMC29002	Have a clear understanding about reversible and irreversible process
	DMC29003	DMC29003	Understand the classification and characteristics of entropy and thermodynamic potential
IV SEM Waves and Optics	DMD29001	DMD29001	Specify the classification and characteristics of Fourier theorem
	DMD29002	DMD29002	Learn in detail with application, superposition of simple harmonic motion
	DMD29003	DMD29003	.Learn the details of Interference, diffraction and polarization
V SEM Solid State Physics	DME29201	DME29201	Write down in detail with application of crystal structure
	DME29202	DME29202	Write down the details of elementary lattice dynamics
	DME29203	DME29203	Deliberate in detail with examples magnetic properties of matter
V SEM Renewable energy and Energy harvesting	DME29601	DME29601	Understand the characteristics of fossil fuel
	DME29602	DME29602	Learn in detail with application of wind energy
VI SEM Nuclear and particle physics	DMF29201	DMF29201	Write down in detail with application and properties of nuclei
	DMF29202	DMF29202	Learn in details with application and properties of nuclei
	DMF29203	DMF29203	Understand in detail with examples radioactivity

Outcome Attainments 2021-22

Department: Mathematics

Programme: B.Sc   **Programme Code: BScPhMa32/: BScCsMa34**

I SEMESTER

Course title	CO ID	CO	%Attainment
Algebra-I and Calculus-I	CO1	Learn to solve system of linear equations.	100
	CO2	Solve the system of homogeneous and non homogeneous linear of m equations in n variables by using concept of rank of matrix.	100
	CO3	Students will be familiar with the techniques of integration and differentiation of function with real variables.	100
	CO4	Students learn to solve polynomial equations.	100
	CO5	Learn to apply Reduction formulae.	100

PO ID	PO	%Attainment
PO1	**Disciplinary Knowledge:** Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied Mathematics. This also leads to study the related areas such as computer science and other allied subjects	100
PO2	**Communication Skills**: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modeling and solving of real life problems.	33.33333
PO3	**Critical Thinking and Analytical Reasoning:** The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.	33.33333
PO4	**Problem Solving:** The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modeling ability, problem solving skills.	66.66667

II SEMESTER

Course title	CO ID	CO	%Attainment
Algebra-II and Calculus-II	CO1	Learn the concept of Divisibility.	100
	CO2	Learn about prime and composite numbers.	86.66667
	CO3	Learn the concept of congruences and its applications	100
	CO4	Identify and apply the intermediate value theorems and L'Hospital rule.	100
	CO5	Understand the concept of differentiation and fundamental theorems in differentiation and various rules.	100
	CO6	Find the extreme values of functions of two variables.	100
	CO7	Students learn to find areas and volumes using integration.	100

PO ID	PO	%Attainment
PO1	**Disciplinary Knowledge:** Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied Mathematics. This also leads to study the related areas such as computer science and other allied subjects	33.33333
PO2	**Communication Skills**: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modeling and solving of real life problems.	33.33333
PO3	**Critical Thinking and Analytical Reasoning:** The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.	33.33333
PO4	**Problem Solving:** The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modeling ability, problem solving skills.	100

Outcome Attainments 2021-22

Department: Mathematics

Programme: B.Sc   **Programme Code: BScPCM01/BScPMCs02/BScPMCm03/BScPME04**

III SEMESTER

Course title	CO ID	CO	%Attainment
Real Analysis	CO1	Distinguish between afield and an ordered field	100
	CO2	*Study the behaviour of sequences.*	100
	CO3	Discuss the nature of infinite series.	100
	CO4	Understand the concept of least upper bopund principle and its applications.	100
	CO5	Distinguish between pointwise and uniform convergence of sequence of functions	100

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical conceptsneeded for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	33.33333
PO3	Demonstrate the ability to think , express and present in a clear, logical and succinct arguements	33.33333
PO4	Develop state – of – the –art laboratory skills and professional communication skills	100
PO5	Use this has a basis for ethical behavior in issues facing chemist/drugs	100

IV SEMESTER

Course title	CO ID	CO	%Attainment
Algebra	CO1	Understand the concept of groups.	100
	CO2	*Understand the concept of cyclic groups.*	100
	CO3	Understand normal subgroups and Quotient groups.	100
	CO4	Understand the symmetries of geometrical figures.	100
	CO5	Understand the concept of integral domains and fields.	100

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical conceptsneeded for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	100
PO3	Demonstrate the ability to think , express and present in a clear, logical and succinct arguements	33.33333
PO4	Develop state – of – the –art laboratory skills and professional communication skills	33.33333
PO5	Use this has a basis for ethical behavior in issues facing chemist/drugs	100

V SEMESTER

Course title	CO ID	CO	%Attainment
Linear Algebra	CO1	Understand the concept of vector space	100
	CO2	Understand Euclidian geometry with the help of real inner products.	100
	CO3	Understand the orthogonal projection	100
	CO4	Distinguish between linear and non-linear transformations	100
	CO5	Understand the importance of Matrices in the study of linear transformations..	100

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical conceptsneeded for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	33.33333
PO3	Demonstrate the ability to think , express and present in a clear, logical and succinct arguements	33.33333
PO4	Develop state – of – the –art laboratory skills and professional communication skills	100
PO5	Use this has a basis for ethical behavior in issues facing chemist/drugs	100

VI SEMESTER

Course title	CO ID	CO	%Attainment
Complex Analysis	CO1	Understand the importance of complex numbers and their geometrical representation	100
	CO2	Find the equations of geometrical figures in complex form	100
	CO3	Distinguish between differentiability and analyticity of a function.	100
	CO4	Study the properties of various transformations.	100
	CO5	Understand the importance of conformal mappings.	100

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical conceptsneeded for a proper understanding of Physics.	33.33333
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	33.33333
PO3	Demonstrate the ability to think , express and present in a clear, logical and succinct arguements	100
PO4	Develop state – of – the –art laboratory skills and professional communication skills	100
PO5	Use this has a basis for ethical behavior in issues facing chemist/drugs	100

VI SEMESTER

Course title	CO ID	CO	%Attainment
Vector calculus	CO1	Understand the concepts of differentiation and partial differentiation of a vector function.	100
	CO2	*Study the properties of vectors*	100

PO ID	PO	%Attainment
PO1	Demonstrate proficiency in Mathematics and the Mathematical conceptsneeded for a proper understanding of Physics.	100
PO2	Demonstrate the ability to justify and explain their thinking and/or approach	100

Outcome Attainments 2021-22

Department: Mathematics   Programme: BBA

I SEMESTER

Course title	CO ID	CO	%Attainment
Mathematical Aptitude-I	CO1	Have a strong base in the fundamental Mathematical comcepts.	60
	CO2	*Grasp the approaches and strategies to solve problems with speed and occuracy.*	60
	CO3	Gain appropriate skills to succeed in preliminary selection process for recruitment.	60

PO ID	PO	%Attainment
PO1	**Disciplinary Knowledge:** Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied Mathematics. This also leads to study the related areas such as computer science and other allied subjects	60
PO2	**Communication Skills**: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modeling and solving of real life problems.	40
PO3	**Critical Thinking and Analytical Reasoning:** The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.	40
PO4	**Problem Solving:** The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modeling ability, problem solving skills.	60

II SEMESTER

Course title	CO ID	CO	%Attainment
Mathematical Aptitude-II	CO1	Have a strong base in the fundamental Mathematical comcepts.	80
	CO2	*Grasp the approaches and strategies to solve problems with speed and occuracy.*	80
	CO3	Gain appropriate skills to succeed in preliminary selection process for recruitment.	80

PO ID	PO	%Attainment
PO1	**Disciplinary Knowledge:** Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied Mathematics. This also leads to study the related areas such as computer science and other allied subjects	80
PO2	**Communication Skills**: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modeling and solving of real life problems.	80
PO3	**Critical Thinking and Analytical Reasoning:** The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.	53.33
PO4	**Problem Solving:** The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modeling ability, problem solving skills.	53.33

Outcome Attainments 2021-22

Department: Mathematics   **Programme: BCA**

I SEMESTER

Course title	CO ID	CO	%Attainment
Mathematical foundation	CO1	Study and solve problems related to connectives , predicates and quantifiers under different situations	100
	CO2	*Develop basic knowledge of matrices and to solve equations using cramer's rules*	100
	CO3	Know the concept of eigen values	100
	CO4	To develop the knowledge about derivatives and know various applications of differentiation	100
	CO5	Understand the basic concepts Mathematical reasoning , set and functions	100

PO ID	PO	%Attainment
PO1	Discipline knowledge: Acquiring knowledge on basics of computer science and ability to apply to design principles in the development of solutions for problems of varing complexity	66.6667
PO2	Problem solving: Improved reasoning with strong Mathematical ability to identify, formulate and analyze problems related to computer science and exhibiting a sound knowledge on data structures and algarithms	100
PO3	Design and development of solutions: Ability to design anf development of algorithmic solutions to real world problems and acquiring a minimum knowledge on statistics and optimization problems. Establishing excellent skills in applying various design stargies for solving complex problems.	66.6667

II SEMESTER

Course title	CO ID	CO	%Attainment
Discrete Mathematical structures	CO1	To understand the basic concept of Mathematical reasoning, set and function	100
	CO2	*To understand various counting techniques and principle of inclusion and exclusions*	100
	CO3	Understand the concepts of various types of relations, partial ordering and equivalence relation	100
	CO4	Apply the concepts of generating functions to solve the recurrencs relations	100
	C05	Familiarise the fundamental concepts of graph theory and shortest path algarithm	100

PO ID	PO	%Attainment
PO1	**Discipline knowledge**: Acquiring knowledge on basics of computer science and ability to apply to design principles in the development of solutions for problems of varing complexity	83.3333
PO2	**Problem solving**: Improved reasoning with strong Mathematical ability to identify, formulate and analyze problems related to computer science and exhibiting a sound knowledge on data structures and algarithms	66.6667
PO3	**Design and development of solutions**: Ability to design anf development of algorithmic solutions to real world problems and acquiring a minimum knowledge on statistics and optimization problems. Establishing excellent skills in applying various design stargies for solving complex problems.	100

V SEMESTER   (CBCS)

Course title	CO ID	CO	%Attainment
Business Mathematics	CO1	Specify the characteristic of Matrices and determinants	100
	CO2	*Write down in details with examples* Matrices and determinants	100
	CO3	Deliberate the characteristics of algebra	100
	CO4	Learn the classification and characteristic of permutation and combination	100
	CO5	Deliberate in details with examples Mathematical induction	100

PO ID	PO	%Attainment
PO1	Get expected skills to be placed in Is sector and self-employment	77.7778
PO2	To develop abilities for data analysis and interpretation using ICT	66.6667
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice	100

1. **Direct Assessment:**

	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
Algebra-I and Caculus-I	100	33.33	33.33	66.667	100	33.33	33.33	66.66
Algebra-II and Calculus-II	33.33	33.33	33.33	100	33.33	33.33	33.33	100
Real Analysis	100	100	100	33.333	100	100	100	33.333
Algebra	100	100	33.333	100	100	100	33.333	100
Linear Algebra	100	100	100	33.33	100	100	100	33.33
Complex Analysis	33.33	100	100	100	33.33	100	100	100
Vector calculus	100	100			100	100		
Mathematical foundation	66.667	100	66.667		66.667	100	66.66	
Discrete Mathematical structures	83.33	66.667	100		83.33	66.66	100	
Business Mathematics	77.778	66.667	100		77.778	66.667	100	
Mathematical Aptitude-I	60	40	60	40	60	40	60	40
Mathematical Aptitude-II	80	80	53.33	53.33	80	80	53.33	53.33
Average	77.8698	76.6661	70.908	65.8325	77.8696	76.67	70.91	65.832
Av*0.8	62.296	61.333	56.724	52.667	62.296	61.34	56.73	52.666

2. Indirect Assessment

Response by	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
Students	100	100	100	100	100	100	100	100
Teachers	100	100	100	100	100	100	100	100
Average	100	100	100	100	100	100	100	100
Av*0.2	20	20	20	20	20	20	20	20

% Attainment

	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	**82.296**	**81.333**	**76.724**	**72.667**	**82.296**	**81.34**	**76.73**	**72.666**

Outcome Attainments 2021-22
Department: BIOCHEMISTRY

Programme: B.Sc   **Programme Code: BSc40-BcMb, BSc42- BcBt**

I SEMESTER

Course title	CO ID	CO	%Attainment
Chemical Foundations of Biochemistry-1	CO1	Understand in detail Scope of Biochemistry and Units of measurement	100
	CO2	Specify the characteristics of Atomic structure and Chemical bonds	100
	CO3	Learn the characteristics of Buffers and Colligative properties	100
	CO4	Understand the types and characteristics of Electrochemistry and Redox reactions	100

PO ID	PO	%Attainment
PO1	To create interest in Biochemistry and appreciation for chemical basis ofbiological processes.	67
PO2	To inculcate the spirit of inquiry and value of systematic study of a discipline.Provide a general understanding of the related disciplines with a holisticknowledge generation in biological sciences.	67
PO3	To provide an in-depth understanding of chemical reaction mechanisms inbiological processes.	67
PO4	To provide a flavor of historical developments of enzymes and their applicationsin research, diagnostics and various industries.	67
PO5	Gain proficiency in basic laboratory techniques and be able to apply the scientific method to the processes of experimentation, hypothesis testing, data interpretation and logical conclusions.	33
PO6	Develop problem solving and analytical skills through case studies, researchpapers and hands-on-experience	67
PO7	To appreciate biochemical mechanistic basis of physiologicalprocesses,metabolism under normal and pathological conditions importance and levels of metabolic regulations.	67
PO8	To apply and effectively communicate scientific reasoning and data analysis in both written and oral forms. They will be able to communicate effectively with well-designed posters and slides in talks aimed at scientific audiences as well as the general public.	67

II SEMESTER

Course title	CO ID	CO	%Attainment
Chemical Foundations of Biochemistry-2	CO1	Understand in depth Chemical Catalysis	100
	CO2	Specify the Nomenclature of Organic Compounds	100
	CO3	Deliberate the detail of Organometallic Compounds	100
	CO4	Learn the detail of Inorganic Chemistry	100

PO ID	PO	%Attainment
PO1	To create interest in Biochemistry and appreciation for chemical basis ofbiological processes.	73
PO2	To inculcate the spirit of inquiry and value of systematic study of a discipline.Provide a general understanding of the related disciplines with a holisticknowledge generation in biological sciences.	75
PO3	To provide an in-depth understanding of chemical reaction mechanisms inbiological processes.	89
PO4	To provide a flavor of historical developments of enzymes and their applicationsin research, diagnostics and various industries.	89
PO5	Gain proficiency in basic laboratory techniques and be able to apply the scientific method to the processes of experimentation, hypothesis testing, data interpretation and logical conclusions.	67
PO6	Develop problem solving and analytical skills through case studies, researchpapers and hands-on-experience	67
PO7	To appreciate biochemical mechanistic basis of physiologicalprocesses,metabolism under normal and pathological conditions importance and levels of metabolic regulations.	83
PO8	To apply and effectively communicate scientific reasoning and data analysis in both written and oral forms. They will be able to communicate effectively with well-designed posters and slides in talks aimed at scientific audiences as well as the general public.	67

III SEMESTER

Course title	CO ID	CO	%Attainment
Enzymology & Bioenergetics	CO1	Learn the characteristics of enzyme kinetics	100
	CO2	Learn in depth enzyme inhibitions	100
	CO3	Specify in detail with examples enzyme activity	100
	CO4	Understand the classification and characteristics of bioenergetics	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	78
PO2	Understand the impact of the plant diversity in societal and environmental context	67
PO3	Demonstrate the knowledge of, and need for sustainable development	78
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	78
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	78
PO6	Develop state-of-the-art laboratory and professional communication skills	
PO7	Apply the scientific method to design, execute, and analyze an experiment	78
PO8	Explain scientific procedures and their experimental observations	

IV SEMESTER

Course title	CO ID	CO	%Attainment
Metabolism	CO1	Specify the detail of metabolism of lipids	100
	CO2	Understand the detail of metabolism of carbohydrates	100
	CO3	Deliberate the characteristics of metabolism of proteins	100
	CO4	Understand the detail of metabolism of nucleic acids	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	75
PO2	Understand the impact of the plant diversity in societal and environmental context	75
PO3	Demonstrate the knowledge of, and need for sustainable development	100
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	83
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	67
PO6	Develop state-of-the-art laboratory and professional communication skills	100
PO7	Apply the scientific method to design, execute, and analyze an experiment	100
PO8	Explain scientific procedures and their experimental observations	67

V SEMESTER

Course title	CO ID	CO	%Attainment
Nutritional Biochemistry	CO1	Understand the characteristics of energy metabolism	100
	CO2	Specify the characteristics of dietary carbohydrates	100
	CO3	Identify in detail with examples dietary lipid & health	100
	CO4	Understand the characteristics of minerals	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	56
PO2	Understand the impact of the plant diversity in societal and environmental context	67
PO3	Demonstrate the knowledge of, and need for sustainable development	
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	34
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	50
PO6	Develop state-of-the-art laboratory and professional communication skills	
PO7	Apply the scientific method to design, execute, and analyze an experiment	50
PO8	Explain scientific procedures and their experimental observations	67

V SEMESTER

Course title	CO ID	CO	%Attainment
Tools and Techniques in biochemistry	CO1	Understand in depth chromatography	100
	CO2	Learn in depth electrophoresis technique	100
	CO3	Deliberate the characteristics of centrifugation	100
	CO4	Understand in detail with examples spectrophotometry	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	
PO2	Understand the impact of the plant diversity in societal and environmental context	56
PO3	Demonstrate the knowledge of, and need for sustainable development	67
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	34
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	33
PO6	Develop state-of-the-art laboratory and professional communication skills	50
PO7	Apply the scientific method to design, execute, and analyze an experiment	
PO8	Explain scientific procedures and their experimental observations	50

VI SEMESTER

Course title	CO ID	CO	%Attainment
Plant biochemistry	CO1	Understand in detail with examples spectrophotometry	100
	CO2	Specify the characteristics of plant cell structure	100
	CO3	Deliberate in detail with examples photosynthesis	100
	CO4	Understand the detail of nitrogen metabolism	100

PO ID	PO	%Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	78
PO2	Understand the impact of the plant diversity in societal and environmental context	67
PO3	Demonstrate the knowledge of, and need for sustainable development	78
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	78
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	78
PO6	Develop state-of-the-art laboratory and professional communication skills	
PO7	Apply the scientific method to design, execute, and analyze an experiment	78
PO8	Explain scientific procedures and their experimental observations	

1. Direct Assessment:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Chemical foundations of Biochemistry-1	66.66667	66.66667	66.66667	66.66667	33.33333	66.66667	66.66667	66.66667
Chemical foundations of Biochemistry-2	73.33333	75	88.88889	88.88889	66.66667	66.66667	83.33333	66.66667
Enzymology and Bioenergetics	77.77778	66.66667	77.77778	77.77778	77.77778		77.77778	
Metabolism	75	75	100	83.33333	66.66667	100	100	66.66667
Nutitional Biochemistry		55.55556	66.66667		33.33333	50		50
Tools and techniques of Biochemistry		55.55556	66.66667	33.33333	50	50	50	44.44444
Plant Biochemistry	77.77778	66.66667	77.77778	77.77778	77.77778		77.77778	
AVERAGE	74.11111	65.87302	77.77778	71.2963	57.93651	66.66667	75.92593	58.88889
Av*0.8	59.28889	52.69841	62.22222	57.03704	46.34921	53.33333	60.74074	47.11111

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
Chemical foundations of Biochemistry-1						
Chemical foundations of Biochemistry-2						
Enzymology and Bioenergetics						
Metabolism	66.66667	66.66667	66.66667	66.66667		
Nutitional Biochemistry	66.66667	50				50
Tools and techniques of Biochemistry	66.66667	44.44444	33.33333	33.33333	55.55556	
Plant Biochemistry	88.88889	66.66667	66.66667	66.66667	100	
AVERAGE	72.22223	56.94445	55.55556	55.55556	77.77778	50
Av*0.8	57.77778	45.55556	44.44445	44.44445	62.22222	40

2. Indirect Assessment

Response by	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Students	100	100	100	100	33.33	100	66.66	100
Teachers	100	66.66	33.33	66.66	33.33	100	100	66.66
Average	100	83.33	66.665	83.33	33.33	100	83.33	83.33
Av*0.2	20	16.666	13.333	16.666	6.666	20	16.666	16.666

Response by	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
Students	66.66	100	100	66.66	100	100
Teachers	100	100	66.66	66.66	100	100
Average	83.33	100	83.33	66.66	100	100
Av*0.2	16.666	20	16.666	13.332	20	20

% Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	79.28889	69.36441	75.55522	73.70304	53.01521	73.33333	77.40674	63.77711

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
Overall PO/PSO attainment = Attainment (Direct)+Attainment (In-direct)	74.44378	65.55556	61.11045	57.77645	82.22222	

Outcome Attainments 2021-22

Department: BIOTECHNOLOGY (UG)
Programme Name: BSc
Programme Code: BScBtZo36/ BScChBt37/ BScBtBc40/ BScMbBt41/BSC05/BSC06
Session/Year: 2021-22
List of POs & PSOs

POID	PO Statement	%Attainment
PO1	Develop state-of-the-art laboratory skills and professional communication skills.	86.7
PO2	Apply the scientific method to design, execute, and analyse an experiment.	75.4
PO3	Explain the theoretical basis of the tools, technologies and methods common in Life science.	73.5
PO4	Design and develop solution to biotechnology problems by applying appropriate tools while keeping in mind safety for environment and society.	69.6
PSO1	Apply appropriate techniques for the qualitative and quantitative analysis of chemicals inlaboratories and in industries	91
PSO2	Demonstrate effectively the applications of biochemical and biological sciences.	89.6
PSO3	Know and apply appropriate tools and techniques in biotechnological manipulation	76.5
PSO4	Understand his or her responsibilities in biotechnological practices.	72.3

Course Title: CELL BIOLOGY & GENETICS   **Course Code:FSA460**
Name of Course In-charge: Uma S/ Chaitra K/Prathiba B
List of COs

CO ID	CO Statement	%Attainment
CO1	Develop an understanding of the structure and functions of organelles.	100
CO2	Understand the structure of chromosomes, types, cell differentiation and features of cancer cells.	93.8
CO3	Gain comprehensive understanding of the chemical basis of heredity and methods.	87.6
CO4	Understand effect of mutation, mechanism and Chromosomal Aberrations.	88.9

Course Title: BIOMOLECULES & BIO-ANALYTICAL TECHNIQUES   **Course Code:FSB460**

Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the properties, mechanisms and biological importance of Bio-molecules.	74.1
CO2	Comphrend the mechanism of enzyme action, factors affecting it and its applications.	78.6
CO3	Understand and able to relate the principles underlying various instruments in the field of Biology.	77.8
CO4	Compare and contrast the role of bio -molecules and enzymes.	82.7

Course Title: MOLECULAR BIOLOGY &GENETIC ENGINEERING   **Course Code:DMC220**

Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	CO Statement	%Attainment
CO1	Display a broad understanding of core molecular Biology.	58.9
CO2	Discuss and differentiate the process of Transcription and Translation	87.5
CO3	Explain key concept of genome organization and manipulation	92.5
CO4	Demonstrate working knowledge in a defined skill set of molecular biology and biotechnologyprotocols.	79.8

Course Title: PLANT TISSUE & ANIMAL CELL CULTURE   **Course Code:DMD220**

Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	CO Statement	%Attainment
CO1	Develop concept of plant tissue and animal cell culture techniques and their application inbiotechnology.	96
CO2	Comprehend the knowledge of transgenic plants in industrial and agricultural applications.	91.11
CO3	Establish and maintain various cell lines used in tissue culture.	90.15
CO4	Understand the application of animal cell culture in biopharmaceutical industry.	89.25

Course Title: IMMUNOLOGY & MEDICALBIOTECHNOLOGY   **Course Code:DME220**
Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the role of different types of Cells in immune system .	86.7
CO2	Discuss the principles and applications of immunological techniques.	75.4
CO3	Understand to diagnose diseases.	73.5
CO4	Comprehend the knowledge of therapeutic applications of enzyme and hormone.	69.6

Course Title: MICROBIAL TECHNIQUES   **Course Code:DME222**
Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand structure, classification and reproduction in micro-organisms.	93
CO2	Know and apply appropriate sterilization techniques in biotechnology.	93.9
CO3	Discuss the various culture media and its components used in culturing microbes.	91.4
CO4	Comprehend the knowledge of staining technique.	81.5

Course Title: ENVIRONMENTAL BIOTECHNOLOGY&BIOSTATISTICS   **Course Code:DMF220**
Name of Course In-charge: Uma S/ Chaitra K/Prathiba B

List of COs

CO ID	CO Statement	%Attainment
CO1	Gain an understanding of the causes, types and control methods for Environmental Pollution.	77.4
CO2	Differentiate the application of different life forms in Environmental Remediation.	78.4
CO3	Apply Statistical Tools for Analysis of Biological Data.	75.5
CO4	Apply Statistical Tools for calculation of standard deviation	79.6

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru – 570 025, Karnataka, India

Name of the Department: Botany
Programmes offered: B.Sc (CBZ & BBM) B.Sc. - BZ CB (NEP)

List of COs, POs, and PSOs (For the year 2021-22):

PO/PSO Id/No.	PO/PSO
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany
PO2	Understand the impact of the plant diversity in societal and environmental context
PO3	Demonstrate the knowledge of, and need for sustainable development
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems
PO5	Demonstrate the ability to justify and explain their thinking and/or approach
PO6	Develop state-of-the-art laboratory and professional communication skills
PO7	Apply the scientific method to design, execute, and analyze an experiment
PO8	Explain scientific procedures and their experimental observations

Course title	Course Code	CO No./Id	CO Statement
Plant Anatomy and Embryology of Angiosperms	**DMC23007**	DMC230071	Understand the details of histology
		DMC230072	Understand the details of anatomy
		DMC230073	Understand the characteristics of secondary growth
		DMC230074	Learn the details of embryology

Course title	Course Code	CO No./Id	CO Statement
Plant Physiology and Metabolism	**DMD23007**	DMD230071	Learn in depth translocation in phloem
		DMD230072	Specify the classification and characteristics of enzyme
		DMD230073	Understand the details of photosynthesis
		DMD230074	Identify the characteristics of plant response to light and temperature

Course title	Course Code	CO No./Id	CO Statement
Cell and Molecular Biology	**DME23007**	DME230071	Understand in depth microscopy
		DME230072	Learn the details of cell
		DME230073	Specify the details of DNA
		DME230074	Learn the details of gene regulation

Course title	Course Code	CO No./Id	CO Statement
Floriculture	**DME23607**	DME236071	Specify the classification and characteristics of gardening
		DME236072	Understand in depth nursery management
		DME236073	Identify in details with examples ornamental plants

Course title	Course Code	CO No./Id	CO Statement
Genetics and Plant Breeding	**DMF23008**	DMF230071	Specify the details of heredity
		DMF230072	Write down the classification and characteristics of mutations
		DMF230073	Learn the details of plant breeding
		DMF230074	Identify in details with examples linkage

NEP BZ & CB

PO ID	PO
P01	Skill development for the proper description using botanical terms, identification, naming and classification of life forms especially plants and microbes.
P02	Acquisition of knowledge on structure, life cycle and life processes that exist among plant and microbial diversity through certain model organism studies.
P03	Understanding of various interactions that exist among plants and microbes; to develop the curiosity on the dynamicity of nature.
P04	Understanding of the major elements of variation that exist in the living world through comparative morphological and anatomical study.
P05	Ability to explain the diversity and evolution based on the empirical evidences in morphology, anatomy, embryology, physiology, biochemistry, molecular biology and life history.
P06	Skill development for the collection, preservation and recording of information after observation and analysis- from simple illustration to molecular database development.

NEP CB and BZ

Course title	Course Code	CO No./Id	CO Statement
Microbial Diversity and Technology	FSA48039	FSA9401	To make the students familiar with economic importance of diverse plants that offer resources to human life
		FSA9402	To make the students known about the plants used as-food, medicinal value and also plant source of different economic value.
		FSA9403	To generate interest amongst the students on plants importance in day today life, conservation, ecosystem and sustainability.
Plants and human welfare	FSA940	FSA9401	To make the students familiar with economic importance of diverse plants that offer resources to human life
		FSA9402	To make the students known about the plants used as-food, medicinal value and also plant source of different economic value.
		FSA9403	To generate interest amongst the students on plants importance in day today life, conservation, ecosystem and sustainability.
Diversity of Non flowering Plants	FSB48039	FSB480391	Understand the diversity and affinities among Algae, Bryophytes, Pteridophytes and Gymnosperms.
		FSB480392	Understand the morphology, anatomy, reproduction and life cycle across Algae, Bryophytes, Pteridophytes and Gymnosperms, and their ecological and evolutionary significance.
		FSB480393	Obtain laboratory skills/explore non-flowering plants for their commercial applications.
Plant propagation, nursery management and gardening	FSB940	FSB9401	To gain knowledge of gardening, cultivation, multiplication, raising of seedlings of garden plants.
		FSB9402	To get knowledge of new and modern techniques of plant propagation
		FSB9403	To develop interest in nature and plant life.

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru – 570 025, Karnataka, India
Outcome Attainments 2021-22

Name of the Department: Botany UG
Programmes offered: B.Sc. (CBZ & BBM)
Programme Outcome for Bachelor of Science in Chemistry, Botany & Zoology

PO/PSO Id/No.	PO/PSO	Overall Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	100
PO2	Understand the impact of the plant diversity in societal and environmental context	83.3
PO3	Demonstrate the knowledge of, and need for sustainable development	100
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	83.3
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	100
PO6	Develop state-of-the-art laboratory and professional communication skills. Work as a laboratory technician, biochemists or medical scientist	100
PO7	Apply the scientific method to design, execute, and analyze an experiment	100
PO8	Explain scientific procedures and their experimental observations	83.3

Programme Outcome for Bachelor of Science in Botany, Biochemistry & Microbiology

PO/PSO Id/No.	PO/PSO	Overall Attainment
PO1	Identify the taxonomic position of plants using principles and methods of nomenclature and classification in Botany	100
PO2	Understand the impact of the plant diversity in societal and environmental context	83.3
PO3	Demonstrate the knowledge of, and need for sustainable development	100
PO4	Use interdisciplinary approaches with quantitative skills to work on biological problems	83.3
PO5	Demonstrate the ability to justify and explain their thinking and/or approach	100
PO6	Develop state-of-the-art laboratory and professional communication skills. Work as a laboratory technician, biochemists or medical scientist	100
PO7	Apply the scientific method to design, execute, and analyze an experiment	100
PO8	Explain scientific procedures and their experimental observations	83.3

Programme Outcome for Bachelor of Science in Botany, Biochemistry & Microbiology

Sl. No.	Course	COID		Attainment
1.	Biodiversity of Microbes and Archegoniate	DMA2300801	Understand the characteristics of viruses	94
		DMA2300802	Learn the classification and characteristics of bacteria	100
		DMA2300803	Understand the classification and characteristics of fungi	94
		DMA2300804	Identify the classification and characteristics of archegoniate	94.4
2.	Plant Ecology, Morphology and Taxonomy	DMB2300801	Learn the classification and characteristics of plant communities	100
		DMB2300802	Understand in depth herbarium	94.4
		DMB2300803	Understand in details with examples plant morphology	89.8
		DMB2300804	Specify the characteristics of ecosystem	100
3.	Plant Anatomy and Embryology	DMC2300801	Understand the details of histology	94.9
		DMC2300802	Learn the details of embryology	100
		DMC2300803	Understand the details of anatomy	98.7
		DMC2300804	Learn in depth translocation in phloem	94.1
4.	Plant Physiology and Metabolism	DMD2300801	Understand the details of photosynthesis	86.07
		DMD2300802		89.8
		DMD2300803	Specify the classification and characteristics of enzyme	100
		DMD2300804		94.9
5.	Cell and Molecular Biology	DME2300801	Understand in depth microscopy	89.8
		DME2300802	Learn the details of cell	100
		DME2300803	Specify the details of DNA	94.9
		DME2300804	Learn the details of gene regulation	100

6.	Floriculture	DME2360801	Specify the classification and characteristics of gardening	98.7
		DME2360802	Understand in depth nursery management	94.9
		DME2360803	Identify in details with examples ornamental plants	96.09
7.	Genetics and Plant Breeding	DMF2300801	Specify the details of heredity	89.8
		DMF2300802	Write down the classification and characteristics of mutations	100
		DMF2300802	Learn the details of plant breeding	94.9
		DMF2300803	Identify in details with examples linkage	100

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: Microbiology
Programme Name: B.Sc(BMBt & BBM)   **Programme Code:BScMbBt41**
Session/Year: 2021-22: NEP   **BScMbBc42**
List of POs

POID	PO Statement
PO1	Knowledge and understanding of concepts of microbiology and its application in pharma, food, agriculture, beverages, nutraceutical industries.
PO2	Understand the distribution, morphology and physiology of microorganisms and demonstrate the skills in aseptic handling of microbes including isolation, identification and maintenance.
PO3	Competent to apply the knowledge gained for conserving the environment and resolving the environmental related issues.
PO4	Learning and practicing professional skills in handling microbes and contaminants in laboratories and production sectors.
PO5	Exploring the microbial world and analysing the specific benefits and challenges.
PO6	Applying the knowledge acquired to undertake studies and identify specific remedial measures for the challenges in health, agriculture, and food sectors.
PO7	Thorough knowledge and application of good laboratory and good manufacturing practices in microbial quality control.
PO8	Understanding biochemical and physiological aspects of microbes and developing broader perspective to identify innovative solutions for present and future challenges posed by microbes.
PO9	Understanding and application of microbial principles in forensic and working knowledge about clinical microbiology.
PO10	Demonstrate the ability to identify ethical issues related to recombinant DNA technology, GMOs, intellectual property rights, biosafety and biohazards.
PO11	Demonstrate the ability to identify key questions in microbiological research, optimize research methods, and analyse outcomes by adopting scientific methods, thereby improving the employability.
PO12	Enhance and demonstrate analytical skills and apply basic computational and statistical techniques in the field of microbiology

Course Title: General Microbiology
 Course Code:FSA500
Name of Course In-charge/Coordinator: Dr.M.Seema
List of CO

CO ID	CO Statement
CO1	Thorough knowledge and understanding of concepts of microbiology.
CO2	Learning and practicing professional skills in handling microbes.
CO3	Thorough knowledge and application of good laboratory and good manufacturing practices in microbial quality control.

Course Title: Microbial Biochemistry and Physiology
 Course Code: FSB500
Name of Course In-charge/Coordinator: Dr.H.P.Spoorthy
List of CO

CO ID	CO Statement
CO1	Inculcate the knowledge regarding microbial growth, functions, physiology and metabolism
CO2	Know the microbial growth in response to environmental factors
CO3	Get equipped with various methods of bacterial growth measurement

Department: Microbiology
Programme Name: B.Sc(BMBt & BBM)   **Programme Code:BSc06 & BSc07**
Session/Year: 2021-22 : CBCS
List of POs

POID	PO Statement
PO1	Demonstrate the ability to justify and explain their thinking and/or approach, both written and oral. Demonstrate the ability to present clear, logical and succinct arguments, including prose and mathematical language. Write and speak using professional norms, and demonstrate an ability to collaborate effectively.
PO2	Develop state-of-the-art laboratory skills and professional communication skills.
PO3	Apply the scientific method to design, execute, and analyze an experiment and also to explain their scientific procedures as well as their experimental observations.
PO4	Demonstrate an understanding of fundamental biochemical principles, structure and biological function of biomolecules, metabolic pathways and their regulation.
PO5	Work as a laboratory technician, biochemists or medical scientist
PO6	Possess knowledge of ethical practices in science.
PO7	Describe/ explain the processes used by microorganisms for their replication, survival, and interaction with their environment and host populations.
PO8	Explain the theoretical basis of the tools, technologies and methods common to microbiology.
PO9	Apply the scientific method as a demonstration that they understand its application furthering our knowledge of the microbial world.
PO10	Design and develop solution to Biotechnology problems by applying appropriate tools while keeping in mind safety factor for environmental & society.
PO11	Create, select, and apply appropriate techniques, resources, and modern tools including prediction and modelling to different activities with an understanding of the limitations.
PO12	Support biotechnology research activity with strong technical background knowledge.

Course Title: MICROBIAL PHYSIOLOGY AND METABOLISM
Course Code: DMC28006 & 28007
Name of Course In-charge/Coordinator: Dr.H.P.Spoorthy

List of Cos

CO ID	CO Statement
CO1	Inculcate the knowledge regarding microbial growth, functions, physiology and metabolism.
CO2	Understand the microbial transport systems and microbial metabolism
CO3	Know the microbial growth in response to environmental factors.
CO4	Get equipped with various methods of bacterial growth measurement
CO5	Knowledge of properties, structure, function of enzymes, enzyme kinetics and their regulation

Course Title: MICROBIAL GENETICS AND GENETIC ENGINEERING
Course Code: DMD28006 & 28007
Name of Course In-charge/Coordinator: Niveditha.P.V

List of CO

CO ID	CO Statement
CO1	Genetics of microorganisms and also about recombinant DNA technology used in microbiological research
CO2	Understand about techniques in genetic engineering
CO3	Social and ethical issues concerning genetic engineering
CO4	Applications of genetic engineering in various fields

Course Title: ENVIRONMENTAL SCIENCE
Course Code: DME28006 & 28007
Name of Course In-charge/Coordinator: Dr.H.P.Spoorthy
List of CO

CO ID	CO Statement
CO1	The role of microorganisms in soil, air, water, waste water and bioremediation.
CO2	Know about the diversity of microorganism and microbial communities inhabiting a wide range of ecological habitats.
CO3	Learn the occurrence, abundance and distribution of microorganisms in the environment and their role in the environment
CO4	Understand various biogeochemical cycles – Carbon, Nitrogen, Phosphorus cycles etc. and microbes involved in these cycles.
CO5	Understand various plant microbes interactions especially rhizosphere, phyllosphere and mycorrhizae and their applications especially the biofertilizers and their mass production.
CO6	The various methods to determine the Sanitary quality of water and sewage Treatment methods employed in waste water treatment

Course Title: AGRICULTURAL MICROBIOLOGY
Course Code: DME28006 & 28007
Name of Course In-charge/Coordinator:
List of Cos

CO ID	CO Statement
CO1	Microorganisms in agriculture, plant pathology and control of plant diseases
CO2	and their significance
CO3	Understand the land mark in the field of Agricultural microbiology.
CO4	Gain knowledge about biofertilizers and biopesticide in agriculture.
CO5	Know about principles and practices involved in the management of plant diseases by different methods
CO6	Understand the important plant diseases caused by phytoplasma, viruses and viroids. Bacteria and fungi

Course Title: IMMUNOLOGY
Course Code: DMF28006 & 28007
Name of Course In-charge/Coordinator:
List of Cos

CO ID	CO Statement
CO1	The human immune response towards microbes in medical microbiology, knowledge is gained about the relationship between microorganism and human disease, pathogenicity, Laboratory diagnosis, treatment and prophylaxis.
CO2	Demonstrate an understanding of key concepts in immunology.
CO3	Understand the overall organization of the immune system.
CO4	To make them understand the salient features of antigen antibody reaction & its uses in diagnostics and various other studies.
CO5	Learn about immunization and their preparation and its importance

Course Title: INDUSTRIAL, FOOD AND MEDICAL MICROBIOLOGY
Course Code: DMF28006 & 28007
Name of Course In-charge/Coordinator: Dr. M Seema
List of CO

CO ID	CO Statement
CO1	Understand food related microorganisms, their contamination, spoilage and preservation .
CO2	Understand the beneficial role of microorganisms in fermented dairy products
CO3	Understand how microbiology is applied in manufacture of industrial products
CO4	The underlying principles in downstream processing
CO5	Know the human immune response towards microbes, Know the relationship between microorganism and human disease, pathogenicity, Laboratory diagnosis, treatment and prophylaxis Demonstrate an understanding of key concepts in immunology

Course Title: MICROBIAL DIAGNOSIS IN HEALTH CLINICS
Course Code: DMF28206 & 28207
Name of Course In-charge/Coordinator: Dr.M.Seema
List of CO

CO ID	CO Statement
CO1	Gain experience in health clinics such as examination, collection of clinical samples and diagnosis
CO2	Demonstrate scientific quantitative skills, the ability to evaluate experimental design, read graphs.

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: Computer Science
Programme Name: BCA   **Programme Code:**
Session/Year III sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	92.62
PO2	To develop abilities for data analysis and interpretation using ICT.	85.96
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	85.16
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	88.51
PO5	Develop the basic programming skills to enable students to build Utility tools.	84.22
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	70.00
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	95.00
PO8	Develop practical skills to provide solutions to industry, society and business.	70.00
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	70.00
PSO01	Knowledge of contemporary and emerging issues in computer science	57.00
PSO02	Ability to identify, critically analyse, formulate and develop computer application	65.44
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	71.00

PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	63.60
PSO05	Information about computer, technology, organization and management.	67.44
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.
After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.
Send the sample filled in survey forms for indirect assessment.

Course Title: C Programming   **Course Code:FAA420**
 Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the characteristics of DBMS with examples	100
CO2	Deliberate the details of types of database languages with examples	100
CO3	Learn the details of ER- Diagrams and Relationship	100
CO4	Understand in depth Basic concepts of Relational Model	100
CO5	Learn in details with examples MYSQL Commands	100
CO6	Learn in details with examples in PL-SQL	100
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: Computer Science
Programme Name: BCA   **Programme Code: DSE 1**
ECE21001
Session/Year IV sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	80.56
PO2	To develop abilities for data analysis and interpretation using ICT.	86.11
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	84.67
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	80.78
PO5	Develop the basic programming skills to enable students to build Utility tools.	79.67
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	96.67
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	71.00
PO8	Develop practical skills to provide solutions to industry, society and business.	68.22
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	#DIV/0!
PSO01	Knowledge of contemporary and emerging issues in computer science	65.00
PSO02	Ability to identify, critically analyse, formulate and develop computer application	74.33
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	76.33

PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	68.67
PSO05	Information about computer, technology, organization and management.	83.00
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.
After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.
Send the sample filled in survey forms for indirect assessment.

Course Title: Data Communication and Computer Networks
  Course Code: DSE 1
ECE21001
Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in depth Elements of Data Communications and network Systems	100
CO2	Learn in depth Transmission Media	100
CO3	Understanding the various classifications and characteristics of Signals	100
CO4	Understand in details with examples Network Models	100
CO5	Learn in depth Error Detection and Corrections Algorithms	100
CO6	Deliberate in details with examples Switching Concepts	100
CO7	Deliberate the classification and characteristics of networking and internetworking Devices	100
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: Computer Science
Programme Name: BCA   **Programme Code: DSE 2**
DCE45001
Session/Year VI sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	90.56
PO2	To develop abilities for data analysis and interpretation using ICT.	83.00
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	88.67
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	79.00
PO5	Develop the basic programming skills to enable students to build Utility tools.	85.89
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	87.78
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	90.56
PO8	Develop practical skills to provide solutions to industry, society and business.	87.78
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	95.56
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	78.89
PSO01	Knowledge of contemporary and emerging issues in computer science	85.00
PSO02	Ability to identify, critically analyse, formulate and develop computer application	78.33
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	71.67

PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	63.33
PSO05	Information about computer, technology, organization and management.	81.67
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.
After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.
Send the sample filled in survey forms for indirect assessment.

Course Title: Data mining   **Course Code: DSE 2 DCE45001**
Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the characteristics of Data Warehousing	100
CO2	Understand the details of Data Warehousing Architecture	100
CO3	Deliberate in depth Data Mining	100
CO4	Learn in details with examples Association Rule Mining	100
CO5	Specify the details of Classification and Prediction Techniques	100
CO6	Write down in depth Application of Data Mining	100
CO7	Learn in depth Clustering Methods	100
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: Computer Science
Programme Name: BCA   **Programme Code: DSE 1**
DCF31001
Session/Year III sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	92.62
PO2	To develop abilities for data analysis and interpretation using ICT.	85.96
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	85.16
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	88.51
PO5	Develop the basic programming skills to enable students to build Utility tools.	84.22
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	70.00
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	95.00
PO8	Develop practical skills to provide solutions to industry, society and business.	70.00
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	70.00
PSO01	Knowledge of contemporary and emerging issues in computer science	57.00
PSO02	Ability to identify, critically analyse, formulate and develop computer application	65.44
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	71.00

PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	63.60
PSO05	Information about computer, technology, organization and management.	67.44
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessm

Course Title: DBMS   **Course Code: DSE 2 DCE45001**
Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the characteristics of DBMS with examples	100
CO2	Deliberate the details of types of database languages with examples	100
CO3	Learn the details of ER- Diagrams and Relationship	100
CO4	Understand in depth Basic concepts of Relational Model	100
CO5	Learn in details with examples MYSQL Commands	100
CO6	Learn in details with examples in PL-SQL	100
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: Computer Science
Programme Name: BCA   **Programme Code:**FAA410
Session/Year III sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	92.62
PO2	To develop abilities for data analysis and interpretation using ICT.	85.96
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	85.16
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	88.51
PO5	Develop the basic programming skills to enable students to build Utility tools.	84.22
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	70.00
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	95.00
PO8	Develop practical skills to provide solutions to industry, society and business.	70.00
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	70.00
PSO01	Knowledge of contemporary and emerging issues in computer science	57.00
PSO02	Ability to identify, critically analyse, formulate and develop computer application	65.44
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	71.00

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PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	63.60
PSO05	Information about computer, technology, organization and management.	67.44
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.
After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.
Send the sample filled in survey forms for indirect assessment.

Course Title: Data Structure using C   **Course Code:FAB420**
 Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the characteristics of DBMS with examples	100
CO2	Deliberate the details of types of database languages with examples	100
CO3	Learn the details of ER- Diagrams and Relationship	100
CO4	Understand in depth Basic concepts of Relational Model	100
CO5	Learn in details with examples MYSQL Commands	100
CO6	Learn in details with examples in PL-SQL	100
Or as designed in the curriculum		

JSS Mahavidyapeetha
JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: Computer Science
Programme Name: BCA   **Programme Code:**FAA410
Session/Year III sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	92.62
PO2	To develop abilities for data analysis and interpretation using ICT.	85.96
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	85.16
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	88.51
PO5	Develop the basic programming skills to enable students to build Utility tools.	84.22
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	70.00
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	95.00
PO8	Develop practical skills to provide solutions to industry, society and business.	70.00
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	70.00
PSO01	Knowledge of contemporary and emerging issues in computer science	57.00
PSO02	Ability to identify, critically analyse, formulate and develop computer application	65.44
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	71.00

PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	63.60
PSO05	Information about computer, technology, organization and management.	67.44
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: Fundamentals of Computer   **Course Code:**
 Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the characteristics of DBMS with examples	100
CO2	Deliberate the details of types of database languages with examples	100
CO3	Learn the details of ER- Diagrams and Relationship	100
CO4	Understand in depth Basic concepts of Relational Model	100
CO5	Learn in details with examples MYSQL Commands	100
CO6	Learn in details with examples in PL-SQL	100
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: Computer Science

Programme Name: BCA   **Programme Code: DSE 1**
DCD23001

Session/Year IV sem 21/22

List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	78.36
PO2	To develop abilities for data analysis and interpretation using ICT.	75.47
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	82.47
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	76.96
PO5	Develop the basic programming skills to enable students to build Utility tools.	67.22
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	83.33
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	95.00
PO8	Develop practical skills to provide solutions to industry, society and business.	63.33
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	#DIV/0!
PSO01	Knowledge of contemporary and emerging issues in computer science	72.11
PSO02	Ability to identify, critically analyse, formulate and develop computer application	69.67
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	75.00
PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	62.40
PSO05	Information about computer, technology, organization and management.	67.89
PSO06	Know various computer applications and latest development in IT and communication system.	40.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	32.33
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: Object Oriented Programming in C++
          Course Code: ECA23001
Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the details of Basic elements of J2EE	100
CO2	Deliberate the details of Concepts of Multi-Tier Architectures	100
CO3	Understand the characteristics of Enterprise Application Strategy	100
CO4	Write down in depth Basic Concepts of JDBC	100
CO5	Identify in details with examples implementation of SQL Commands Using JDBC objects	100
CO6	Learn in details with examples Basic Concepts of Servlet	100
CO7	Learn in details with examples Basic Concepts of JSP	100
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: Computer Science
Programme Name: BCA   **Programme Code: DSE 1**
DCF31001
Session/Year III sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	92.62
PO2	To develop abilities for data analysis and interpretation using ICT.	85.96
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	85.16
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	88.51
PO5	Develop the basic programming skills to enable students to build Utility tools.	84.22
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	70.00
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	95.00
PO8	Develop practical skills to provide solutions to industry, society and business.	70.00
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	70.00
PSO01	Knowledge of contemporary and emerging issues in computer science	57.00
PSO02	Ability to identify, critically analyse, formulate and develop computer application	65.44
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	71.00

PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	63.60
PSO05	Information about computer, technology, organization and management.	67.44
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.
After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.
Send the sample filled in survey forms for indirect assessment.

Course Title: JAVA   **Course Code: DSE 1**
DCF31001 Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Deliberate in details with examples Boolean algebra and logic circuits	100
CO2	Learn the details of Data Representation and Computer Arithmetic	100
CO3	. Learn in depth Computer Organization and Design	100
CO4	. Learn the details of architecture of CPU	100
CO5	Deliberate the classification and characteristics of Basic Computer Programming Concepts	100
CO6	Write down in depth Basic Computer Programming Concepts	100
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: Computer Science
Programme Name: BCA   **Programme Code: DSE 2 DCD21001**
Session/Year IV sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	78.36
PO2	To develop abilities for data analysis and interpretation using ICT.	75.47
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	82.47
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	76.96
PO5	Develop the basic programming skills to enable students to build Utility tools.	67.22
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	83.33
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	95.00
PO8	Develop practical skills to provide solutions to industry, society and business.	63.33
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	#DIV/0!
PSO01	Knowledge of contemporary and emerging issues in computer science	72.11
PSO02	Ability to identify, critically analyse, formulate and develop computer application	69.67
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	75.00
PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	62.40
PSO05	Information about computer, technology, organization and management.	67.89
PSO06	Know various computer applications and latest development in IT and communication system.	40.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	32.33
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

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After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.
Send the sample filled in survey forms for indirect assessment.

Course Title: Numerical Analysis
And Statistics   **Course Code: DSE 2 DCD21001**

Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand the details of Computer Numerical data and arithmetic	100
CO2	Understand the classification and characteristics of Iterative Methods in numerical analysis	100
CO3	Deliberate in details with examples Matrices and linear system of Equations	100
CO4	Specify in details with examples Interpolation	100
CO5	Understand in depth Numerical integration and differentiation	100
CO6	Learn the details of Importance and limitations of statistics	100
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: Computer Science
Programme Name: BCA   **Programme Code: DSE 1**
DCF31001
Session/Year VI sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	90.56
PO2	To develop abilities for data analysis and interpretation using ICT.	83.00
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	88.67
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	79.00
PO5	Develop the basic programming skills to enable students to build Utility tools.	85.89
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	87.78
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	90.56
PO8	Develop practical skills to provide solutions to industry, society and business.	87.78
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	95.56
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	78.89
PSO01	Knowledge of contemporary and emerging issues in computer science	85.00
PSO02	Ability to identify, critically analyse, formulate and develop computer application	78.33
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	71.67
PSO04	Devise and conduct experiments, interpret data and provide well	63.33

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	informed conclusions.	
PSO05	Information about computer, technology, organization and management.	81.67
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: Operation Research   **Course Code: DSE 1**
DCF31001
Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Write down the details of Origin and Development of Operation Research	100
CO2	Understand the characteristics of Linear Programming Problems and Methods	100
CO3	Deliberate in depth Transportation Problems	100
CO4	Deliberate in depth Assignment Problem	100
CO5	Identify in details with examples Network Analysis	100
CO6	Learn in depth Application of Operation Research	100
Or as designed in the curriculum		

Department: Computer Science
Programme Name: BCA   **Programme Code: DSE 2**
ECE26001
Session/Year IV sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	80.56
PO2	To develop abilities for data analysis and interpretation using ICT.	86.11
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	84.67
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	80.78
PO5	Develop the basic programming skills to enable students to build Utility tools.	79.67
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	96.67
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	71.00
PO8	Develop practical skills to provide solutions to industry, society and business.	68.22
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	#DIV/0!
PSO01	Knowledge of contemporary and emerging issues in computer science	65.00
PSO02	Ability to identify, critically analyse, formulate and develop computer application	74.33
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	76.33
PSO04	Devise and conduct experiments, interpret data and provide well	68.67

	informed conclusions.	
PSO05	Information about computer, technology, organization and management.	83.00
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.

After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.

Send the sample filled in survey forms for indirect assessment.

Course Title: PHP Programming with MySQL   **Course Code: DSE 2 ECE26001**
Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn in depth Elements of PHP	100
CO2	Learn in depth Interaction Methods Between HTML and PHP	100
CO3	Understand in depth PHP function	100
CO4	Understand in depth String Manipulation	100
CO5	Learn the characteristics of Regular Expression	100
CO6	Learn the details of Developing PHP Web Application	100
Or as designed in the curriculum		

Department: Computer Science
Programme Name: BCA   **Programme Code: DSE 2**
DCE45001
Session/Year VI sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	90.56
PO2	To develop abilities for data analysis and interpretation using ICT.	83.00
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	88.67
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	79.00
PO5	Develop the basic programming skills to enable students to build Utility tools.	85.89
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	87.78
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	90.56
PO8	Develop practical skills to provide solutions to industry, society and business.	87.78
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	95.56
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	78.89
PSO01	Knowledge of contemporary and emerging issues in computer science	85.00
PSO02	Ability to identify, critically analyse, formulate and develop computer application	78.33
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	71.67

PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	63.33
PSO05	Information about computer, technology, organization and management.	81.67
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.
After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.
Send the sample filled in survey forms for indirect assessment.

Course Title: Project **Course Code: DCF 40001**
Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Identify in details with examples Problem identification	100
CO2	Write down in depth System Analysis	100
CO3	Understand and Develop SRS for selected System Problem	100
CO4	Understand and Develop System Design for selected System Problem	100
CO5	Learn in details and Develop a Code and Test the System	100
CO6	Understand the details of Presentation and Demo of Project WorK	100
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science
Ooty Road, Mysuru

Department: Computer Science
Programme Name: BCA   **Programme Code: DSE 2 DCD21001**
Session/Year IV sem 21/22
List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	78.36
PO2	To develop abilities for data analysis and interpretation using ICT.	75.47
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	82.47
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	76.96
PO5	Develop the basic programming skills to enable students to build Utility tools.	67.22
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	83.33
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	95.00
PO8	Develop practical skills to provide solutions to industry, society and business.	63.33
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	#DIV/0!
PSO01	Knowledge of contemporary and emerging issues in computer science	72.11
PSO02	Ability to identify, critically analyse, formulate and develop computer application	69.67
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	75.00
PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	62.40
PSO05	Information about computer, technology, organization and management.	67.89
PSO06	Know various computer applications and latest development in IT and communication system.	40.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	32.33
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

Course Title: Softwear testing and softwear engineering**Course Code: DSE 2 DCE45001**

Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Understand in details with examples Concepts of Software process	100
CO2	Specify the details of Software requirements and analysis	100
CO3	Learn in depth Design concepts and principles of software engineering	100
CO4	Understand in depth software Configuration Management and Project Management	100
CO5	Learn in details with examples Software Tastings	100
CO6	Specify in depth trends in software engineering	100
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru

Department: Computer Science

Programme Name: BCA   **Programme Code: DSE 1**

DCF31001

Session/Year III sem 21/22

List of POs & PSOs

PO/PSO ID	PO/PSO	%Attainment
PO/PSO ID	PO/PSO	%Attainment
PO1	Get expected skills to be placed in IT sector and self-employment.	92.62
PO2	To develop abilities for data analysis and interpretation using ICT.	85.96
PO3	Acquire comprehensive knowledge with equal emphasis on theory and practice.	85.16
PO4	Analyze and apply latest technologies to solve problems in the areas of computer applications.	88.51
PO5	Develop the basic programming skills to enable students to build Utility tools.	84.22
PO6	Get the foundation knowledge for higher studies in the field of Computer Application.	70.00
PO7	Analyze and synthesis computing systems through quantitative and qualitative techniques	95.00
PO8	Develop practical skills to provide solutions to industry, society and business.	70.00
PO9	Work effectively both as an individual and a team leader on multidisciplinary projects.	#DIV/0!
PO10	Improves communication skills so that they can effectively present technical information in oral and written reports	70.00
PSO01	Knowledge of contemporary and emerging issues in computer science	57.00
PSO02	Ability to identify, critically analyse, formulate and develop computer application	65.44
PSO03	Learn techniques, skills and modern hardware and software tools necessary for innovative software solutions	71.00

PSO04	Devise and conduct experiments, interpret data and provide well informed conclusions.	63.60
PSO05	Information about computer, technology, organization and management.	67.44
PSO06	Know various computer applications and latest development in IT and communication system.	20.00
PSO07	Act as software programmer, system and Database administrator, web designer, faculty for computer science and computer applications.	15.00
PSO08	Design and conduct experiments, analyze and interpret data.	18.33

*Average from all the courses.
After converting direct attainment to 80% and indirect attainment to 20%, give overall attainment as summation of the above.
Send the sample filled in survey forms for indirect assessment.

Course Title: Web technology   **Course Code: DSE 2 DCC25001**
Name of Course In-charge/Coordinator:

List of COs

CO ID	CO Statement	%Attainment
CO1	Learn the details of HTML tags	100
CO2	Understand the details of Basic CSS and implements	100
CO3	Understand the details of Basic Concepts of Java Scripts	100
CO4	. Write down in details with application and Usage of Java scripts	100
CO5	Understand in details with examples Document object Model	100
CO6	Deliberate in depth Basic of XML	100
Or as designed in the curriculum		

JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025
Outcome Attainments 2021-22

Department: **KANNADA**   Programme: **BA**

Programmer Name:Dr.Madhusudan C R

PO Attainment

Programme Code: **BAKG43 (NEP)**

POID	PO	80 % Attainment	20 % Attainment	OVERALL ATTAINMENT
BAKG431	GET THE LITERARY AWARENESS , ADOPT SCIENTIFIC & RATIONAL THINKING.	44.749%	15.582%	53.249%
BAKG432	GAIN THE KNOWLEDGE OF CLASSICAL,MEDIVEL & MODERN KANNADA LITERATURE	47.333%	18.333%	65.666%
BAKG433	GAIN LANGUAGE SKILLS IN READING & WRITING	38.388%	17.416%	56.860%
BAKG434	GAIN KNOWLEDGE OF CONTEMPORARY PREVAILINGS	41.610%	15.249%	56.860%%
BAKG435	AWARENESS OF SOCIO-RELIGIOUS ,POLITICAL & GEOGRAPHICAL BACKGROUND OF KANNADA	47.583%	18.916%	66.499%
BAKG436	KNOWLEDGE OF CULTURAL RICHNESS OF KANNADA LANGUAGE & LITERATURE	43.583%	17.749%	61.332%
BAKG437	BECOME A CREATIVE WRITER BY STUDYING KANNADA LITERATURE	37.972%	15.082%	53.054%

Outcome Attainments 2021-22

Programme Code: **BA23(CBCS)**

POID	PO	80 % Attainment	20 % Attainment	OVERALL ATTAINMENT
BA231	DEVELOP HUMAN VALUES & A SENSE OF SOCIAL SERVICE	49.999%	14.999%	64.999%
BA232	BECOME A RESPONCIBLE & DUTIFUL CITIZEN	51.110%	18.333%	69.443%
BA233	ABLE TO ENHANCE CRITICAL TEMPER & CREATIVE ABILITY	41.110%	16.666%	57.776%
BA234	UNDERSTAND & APPRECIATE RELATIONSHIP BETWEEN MAN AND ENVIRONMENT	36.666%	16.666%	53.332%
BA235	TO READ & INTERPRIT ,GENERATE MAPS AND OTHER GEOGRAPHIC REPRESENTATIONS	56.666%	17.499%	74.165%
BA236	UNDERSTAND PHYSICAL-GEOGRAPHIC PROCESS, THE GLOBAL DISTRIBUTION OF LANDFORMS AND ECOSYSTEMS	42.221%	16.666%	58.887%
BA237	ROLE OF THE PHYSICAL ENVIRONMENT ON HUMAN POPULATION	44.444%	13.333%	57.777%

Outcome Attainments 2021-2022 (NEP)

Department: GEOGRAPHY   **Program: BA**
Program Code: BA31/33

PO ID	PO	Overall Attainment
PO1	**Relating to Knowledge** Give explanation of relevant terms and concept of geography including definitions. Give better explanation about relevant principles, theories and models in geography. Show clear knowledge relating to man and environmental process and factors.	90.125
PO2	**Understanding and application** Identify the importance of spatial scale and time scale. Know the complex and interactive nature of physical and human environments. Identify the importance of the resemblances and variance between places, environments andpeople. Comprehend how processes bring changes in systems, distributions and environments.	90
PO3	**Students Skills** Interpret a variety of types of geographical data and sources and recognise their limitations. Communicate geographical evidence, ideas and arguments. Use geographical data to identify trends and patterns. Use diagrams and sketch maps to demonstrate geographical aspects. Demonstrate skill of analysis and synthesis of geographica information	90.325
P04	**Students Evaluation** Critically evaluate geographical principles, theories and models Assess the effects of geographical processes and change on physical and human environments. Assess how the viewpoints of different groups of people, potential conflicts of interest andotherfactors interact in the management of physical and human environments. Evaluate the relative success of failure of initiatives.	89.8625

Outcome Attainments 2021-2022

Department: GEOGRA   **Program: BA(I SEM)**
Program Code: BA31/33

Course Title: Principles of Geomorphology   **COURSE CODE: FHA430**

Course Code	COs	Attainment
CO1	After the completion of this course, students should be able to: To understand the conceptual and dynamic aspects of landform development	100
CO2	Define the field of Geomorphology and to explain the essential principles of it	100
CO3	To outline the mechanism of dynamic nature of the Earth's surface and interior of theEarth	100
CO4	To illustrate and explain the forces affecting the crust of the earth and its effect on it.	100
CO5	To understand the conceptual and dynamic aspects of landform development	100

Outcome Attainments 2021-2022

Department: GEOGRAPHY   **Program: BA(II SEM)**
Program Code: BA31/33

Course Title: Introduction to Climatology   **COURSE CODE: FHB430**

Course Code	COs	Attainment
CO1	Define the field of climatology and to understand the atmospheric composition andstructure.	100
CO2	To outline the mechanism and process of solar radiation transfer to earth surface and to ex- plain the temperature distribution and variation according to time and space.	100
CO3	To illustrate and explain the air pressure system, wind regulating forces and the formationof the Atmospheric Disturbance	100
CO4	To understand and compute the air humidity as well as to explain the process of Condensation and formation of precipitation and its types.	100

JSS MAHAVIDYAPEETHA
JSS College of Arts, Commerce and Science (Autonomous)
Ooty Road, Mysuru - 570025
Outcome Attainments 2021-2022(CBCS)

Department: GEOGRAPHY　　　　　　　　　　　　　**Program: BA**
Program Code: BA21/23

PO ID	PO	Overall Attainment
PO1	Develop human values and a sense of social service	90.125
PO2	Become a responsible and dutiful citizen	90
PO3	Abel to enhance critical temper and creative ability	90.325
P04	Understand and appreciate relationship between man and Environment.	89.8625
PO5	Read, interpret, and generate maps and other geographic representations	89.975
PO6	Understand physical- geographic processes, the global distribution of landforms and	89.8
PO7	Role of the physical environment on human populations	89.1875

Outcome Attainments 2021-2022

Department: GEOGRAPHY   **Program: BA(III SEM)**
Program Code: BA21/23

Course Title: General Cartography   **COURSE CODE: ELC23023**

Course Code	COs	Attainment
CO1	Write down the details of human geography importance	100
CO2	Deliberate in details with examples race, religion and language study	100
CO3	Specify the details of demographic age transition study	100
CO4	Understand in details with application, if applicable, population composition	100
CO5	Learn in details with application, if applicable, human settlement study	100

Outcome Attainments 2021-2022

Department: GEOGRAPHY   **Program: BA(IV SEM)**
Program Code:BA21/23

Course Title: **Environmental Geography**   **COURSE CODE: ELD23023**

Course Code	COs	Attainment
CO1	Deliberate the characteristics of interdisciplinary nature of environmental geography	100
CO2	Learn in depth ecosystem study	100
CO3	Identify in details with examples environmental pollution	100
CO4	Understand in depth conservation and management of environment	100

Outcome Attainments 2021-2022

Department: GEOGRAPHY   **Program: BA(V SEM)**
Program Code: BA21/23

Course Title: GEOGRAPHY OF INDIA   **COURSE CODE: ELE23023**

Course Code	COs	Attainment
CO1	Deliberate in depth physical stinting of India	100
CO2	Write down in details with examples Irrigation system of India	100
CO3	Identify in depth population study of India	100
CO4	Learn in depth resources base study of India	100
CO5	Identify the characteristics of economic study of India	100

Outcome Attainments 2021-2022

Department: GEOGRAPHY   **Program: BA(V SEM)**
Program Code: BA21/23

Course Title: Economic Geography   **COURSE CODE: ELE23223**

Course Code	COs	Attainment
CO1	Identify the classification and characteristics of concepts of economic geography	100
CO2	Understand the characteristics of locational theories	100
CO3	Understand in depth study of primary activities	100
CO4	Learn the details of study of secondary activities	100
CO5	Write down in details with examples study of tertiary and quaternary activities	100

Outcome Attainments 2021-2022

Department: GEOGRAPHY   **Program: BA(VI SEM)**
Program Code: BA21/23

Course Title: DISASTER MANAGEMENT   **COURSE CODE: ELF23223**

Course Code	COs	Attainment
CO1	Identify in details with application, if applicable, hazards and disasters concepts.	100
CO2	.Specify the characteristics of flood, landslide, drought are in India	100
CO3	Write down in details with examples earthquake tsunami and cyclone are in India	100
CO4	Identify the classification and characteristics of human induced disasters	100
CO5	Learn in details with examples response and mitigation to disaster	100

Outcome Attainments 2021-2022

Department: GEOGRAPHY   **Program: BA(VI SEM)**
Program Code: BA21/23

Course Title: GEOGRAPHY OF TOURISM   **COURSE CODE: ELF23023**

CoS.NO	COs	Attainment
CO1	Learn in depth geography of tourism concepts	100
CO2	Specify in details with examples types of tourism	100
CO3	Learn in details with application, if applicable, recent trends of tourism	100
CO4	.Identify in details with application, if applicable, impact of tourism	100
CO5	Understand the details of tourism in India	100