Mahajana Education Society(R)

SBRR Mahajana First Grade College (Autonomous)

Affiliated to University of Mysore

Re-Accredited by NAAC with 'A' Grade, College with Potential for Excellence

Jayalakshmipuranm, Mysuru – 570016, Karnataka, India.

Department of Studies in Computer Science

Bachelors of Computer Application

MANDATORY DISCLOSURES

Table of Contents:

1 Name of the Institution: SBRR Mahajana First Grade College, PG Wing

Address: Jayalakshmipuram, Mysuru, Karnataka, India.

E-Mail: fgc.mahajana.edu.in

Telephone: +91 821 2512065

Mobile: +91 9113293595

2 Name and Address of the Trust / Society and the Trustees

Name : Mahajana Education Society(R)

Address : Jayalakshmipuram , Mysore,Karnataka

E-Mail : info@mahajana.edu.in

Telephone: +91 821 241 4670, +91 821 251 1921

- **Trustee Details**

Name	Designation	Mobile Number	Email
Sri. T MURALIDHAR BHAGAVAT Jayalakshmipuram , Mysore, Karnataka	President	9880244444	tmbmgm@gmail.com
SRI. VIJAYKUMAR N Jayalakshmipuram , Mysore, Karnataka	Member	8212512886	mes@mahajana.edu.in
Sri. ASHWATH NARAYAN G.R Jayalakshmipuram , Mysore, Karnataka	Member	9448031971	rajeshnaryan22@gmail.com
SRI P R NAGASRINIVASA Jayalakshmipuram , Mysore, Karnataka	Member	9483299432	prnagasrinivasa1942@gmail.com
SRI GOVINDARAJU S Jayalakshmipuram , Mysore, Karnataka	Member	9886444404	mfigovindaraj@gmail.com

Dr T VIJAYA LAKSHMI MURALIDHAR Jayalakshmipuram , Mysore, Karnataka	Secretary	9880294444	tvm.mgm@gmail.com
SRI RAVIKUMAR B S Jayalakshmipuram , Mysore, Karnataka	Member	9900233125	ravikumar.bs@gmail.com
SRI. SRINATH K B Jayalakshmipuram , Mysore, Karnataka	Member	9880204444	mflsrinath@gmail.com
SRI. SANJAY SK Jayalakshmipuram , Mysore, Karnataka	Member	9945159216	casksanjay@gmail.com
SRI. R RAJESH Jayalakshmipuram , Mysore, Karnataka	Member	9448229994	rajesh@bsra.in
SRI. PRATAP R N Jayalakshmipuram , Mysore, Karnataka	Member	9845124105	prattehalli@gmail.com
SRI. K B RAMA PRAKASH Jayalakshmipuram , Mysore, Karnataka	Member	9900148022	kattepuracpmpraprakash a9@gmail.com
DR. TARANATH N S Jayalakshmipuram , Mysore, Karnataka	Member	8212344716	nstharantha@gmail.com

3 Name and Address of the Head of the Institution

Name : Dr.B R Jayakumari

Address : Jayalakshmipuram, Mysore Karnataka, India.

E-Mail : principal.fgc@mahajana.edu.in

Telephone : +91 9611075944

4 Name of the affiliating University : University of Mysore

5Governance

- **Governing Council**

Sri. T. Muralidhar Bhagavat,	PRESIDENT
Sri B. S. Ravikumar,	VICE PRESIDENT
Dr. Vijayalakshmi Bhagavat,	HON. SECRETARY
Sri. N. Vijaya Kumar,	TREASURER
Dr. P. R. Naga Srinivasa,	MEMBER
Sri G. R. Ashwatha Narayan,	MEMBER
Sri B. Harish,	MEMBER
Sri. R.N Pratap,	MEMBER
Sri. K. B. Srinath,	MEMBER
Sri. S. Govindaraj,	MEMBER

- **Academic Council**

ACADEMIC COUNCIL MEMBERS

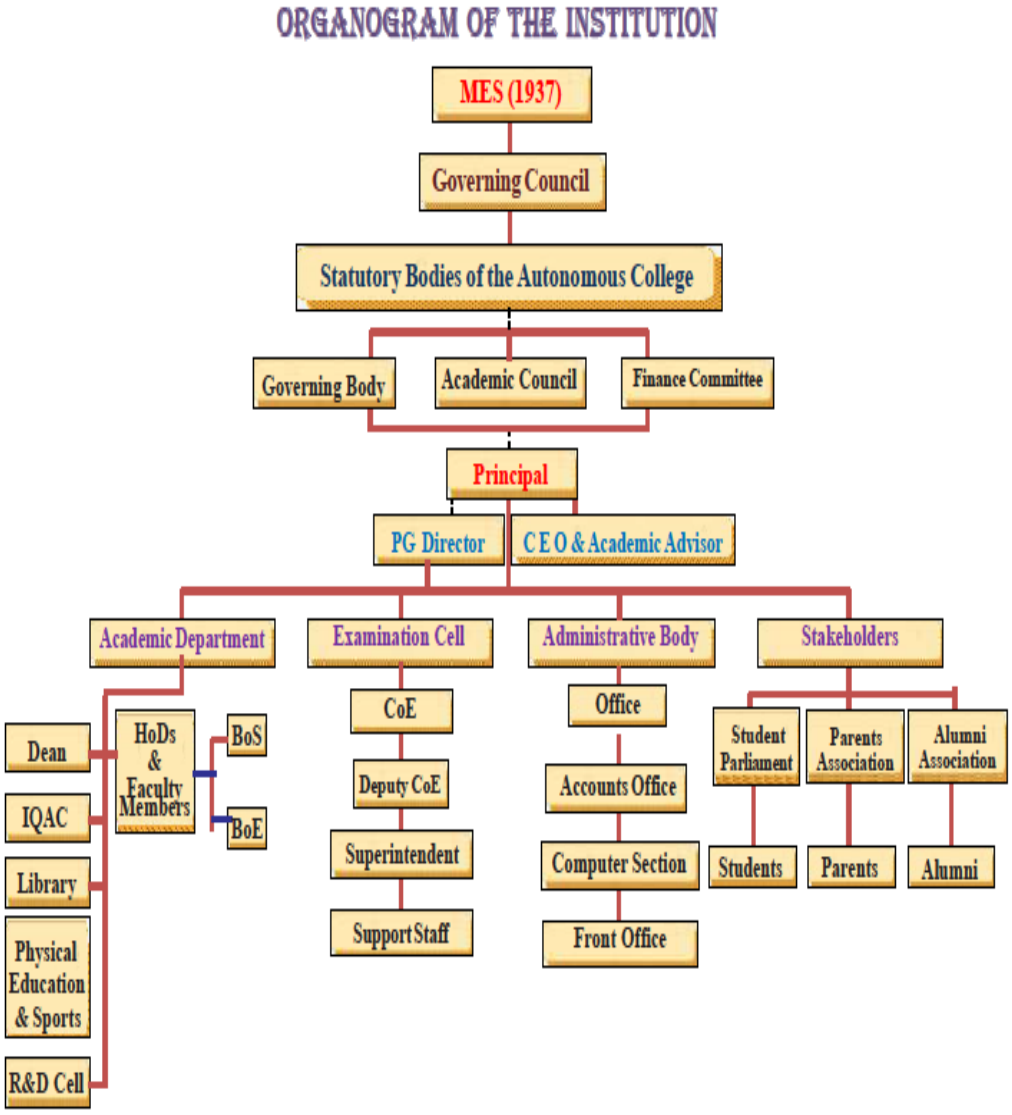
Sl. No.	Category	Name	Designation	Address for Communication	E-mail and Mobile No.
1	Principal	Dr. B.R. Jayakumari, Principal	Chairperson	SBRR Mahajana First Grade College (A), Jayalakshmipuram, Mysuru-570012	principal.fgc@mahajana.edu.in 9611075944
2	All Heads of the Departments				
3	Four Teachers of the College	1. Dr. Sreedhara H	Asst. Prof., HoD History	SBRR Mahajana First Grade College (A), Jayalakshmipuram, Mysuru-570012	9901041470 sreedharah.fgc@mahajana.edu.in
		2. Dr. Sumathi M P	Assoc. Prof. & HoD, Dept. of Mathematics	SBRR Mahajana First Grade College Jayalakshmipuram, Mysuru-570012	9880810618 sumathimp.fgc@mahajana.edu.in
		3. Smt. Rachana C R	Assoc. Prof. & HoD, DoS in Computer Science and MCA	SBRR MFGC (A), PG Wing, Pooja Bhagavat Memorial Mahajana Education Centre, KRS Road, Metagalli, Mysuru	8095645644 rachanacr@gmail.com
		4. Dr. Sangamitra Gowtham M J	Associate Professor DoS in MBA	SBRR MFGC (A), PG Wing, Pooja Bhagavat Memorial Mahajana Education Centre, KRS Road, Metagalli, Mysuru	9731165052 sangam.goutham@gmail.com

Sl. No.	Category	Name	Designation	Address for Communication	E-mail and Mobile No.
4	Four Expert/Academicians from outside the college	Dr. T K Umesh	Former Prof. of Physics	University of Mysore Mysuru	9448022966 umeshtk@gmail.com
		Dr. C Naganna	Former Prof. of English	University of Mysore Mysuru	9980781602 cnaganna25@gmail.com
		Dr. D S Guru	DoS in Computer Science	University of Mysore Mysuru	9620228005 dsg@compsci.uni-mysore.ac.in
		Dr. Arun Chand Rayaroth	Head, Quality & Research	Zeus Biotech Pvt. Ltd. Mysuru	8884922855 arunchand@zeusindia.net
5	Three Nominees from the University	Prof. K R Vasuki	DoS in Mathematics, Manasagangotri Mysuru	University of Mysore Mysuru	9916450314 vasuki_kr@hotmail.com
		Dr. M Mahesh	DoS in Economics, Manasagangotri Mysuru	University of Mysore Mysuru	9480438399 mahesh@economics.uni-mysore.ac.in
		Dr. B S Biradar	DoS in Statistics, Manasagangothri	University of Mysore Mysuru	9449682615 biradarbs@statistics.uni-mysore.ac.in biradarbs1@gmail.com

Sl. No.	Category	Name	Designation	Address for Communication	E-mail and Mobile No.
6	The Controller of Examination of the Autonomous College	Smt. Shruthy Poonacha	Controller of Examinations	SBRR Mahajana First Grade College (A), Jayalakshmipuram Mysuru	shruthypoonacha.fgc@mahajana.edu.in 9886367273
7	A Faculty Member nominated by the Principal	Ms. Geetha D	HoD Dept. of English	SBRR Mahajana First Grade College (A), Jayalakshmipuram Mysuru	geethad.fgc@mahajana.edu.in 9945653221

- **Frequency of the Board Meeting and Academic Advisory Body: Once**

- **Organisational Chart**



- **Equal Opportunity Cell**

Mahajana Education Society (R)
Education to Excel
SBRR Mahajana First Grade College (Autonomous)
Jayalakshmipuram, Mysuru-570 012, Karnataka, INDIA
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Dr. B.R. Jayakumari, M.A., M.Phil., Ph.D.
Principal

Ref. Date:

Equal Opportunity Cell

The following is the composition of **'Equal Opportunity Cell'** of SBRR Mahajana First Grade College, Jayalakshmipuram, Mysuru, with effect from 4th January 2024 until further orders in this regards.

Sl. No.	Name	Designation
01	Dr. B R Jayakumari, Principal	Chairperson
02	Dr. Thimmegowda H R, Associate Professor	Convenor
03	Dr. Sangamithra Goutham M J, Associate Professor	Member
04	Dr. Pushparani P G, Assistant Professor	Member
05	Smt. Veena M, Librarian	Member
06	Sri Roshan C L, Assistant Professor	Member

(Dr. B.R. Jayakumari)
PRINCIPAL
Smt. Bhagyalakshmamma Rattehalli Ramappa
Mahajana First Grade College (Autonomous)
Jayalakshmipuram, Mysuru-570 012

Office : 0821-2512065, Mob. : 9611075944
Website : www.fgc.mahajana.edu.in
principal.fgc@mahajana.edu.in

- **Atrocity on Women Enquiry Committee**

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Dr. B.R. Jayakumari, M.A., M.Phil., Ph.D.
Principal

Ref. Date:

Atrocity on Women Enquiry Committee

Sensitization to, Prevention of and Redressal for Sexual Harassment **SPARSH**)

The following is the composition of '**Atrocity on Women Enquiry Committee**' of SBRR Mahajana First Grade College, Jayalakshmipuram, Mysuru, with effect from 4th January 2024 until further orders in this regards.

Sl. No.	Name	Designation
01	Dr. B R Jayakumari	President
02	Smt. Radhika Rani	Convenor
03	Dr. Bhavana V	Member
04	Smt. Vijayalakshmi Raje Urs Mahajana Education Society	Member
05	Police Inspector, Jayalakshmipuram Police Station	Member
06	WHC/WPC Jayalakshmipuram Police Station, Mysuru	Member
07	University of Mysore "SPARSH" Chairman, Mysuru	Member
08	Sri Gerald Castelino, Legal Advisor	Member

(Dr. B.R. Jayakumari)
PRINCIPAL
Smt. Bhagyalakshmamma Ratt. halli Ramappa
Mahajana First Grade College (Autonomous)
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principal.fgc@mahajana.edu.in

- **Committee for SC/ST**

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Dr. B.R. Jayakumari, M.A., M.Phil., Ph.D.
Principal

Ref. Date:

Committee for SC/ST

The following is the composition of 'Committee for SC/ST' of SBRR Mahajana First Grade College, Jayalakshmipuram, Mysuru, with effect from 4th January 2024 until further orders in this regards.

Sl. No.	Name	Designation	Position
01	Dr. B R Jayakumari	Principal	Chairperson
02	Smt. Veena M	Librarian	Convenor
03	Dr. M Preethi	Associate Professor	Member
04	Sri Parameshwar Hegde	Assistant Professor	Member
05	Dr. Pushparani P G	Assistant Professor	Member
06	Dr. Doddarasaiah G	Assistant Professor	Member
07	Sri Kiran Kumar C M	Assistant Professor	Member

(Dr. B.R. Jayakumari)
PRINCIPAL
Smt. Bhagyalakshmamma Rattihalli Kamappa
Mahajana First Grade College (Autonomous)
Jayalakshmipuram, MYSURU-570 012

- **Counselling Committee**

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Dr. B.R. Jayakumari, M.A., M.Phil., Ph.D.
Principal

Ref. Date:

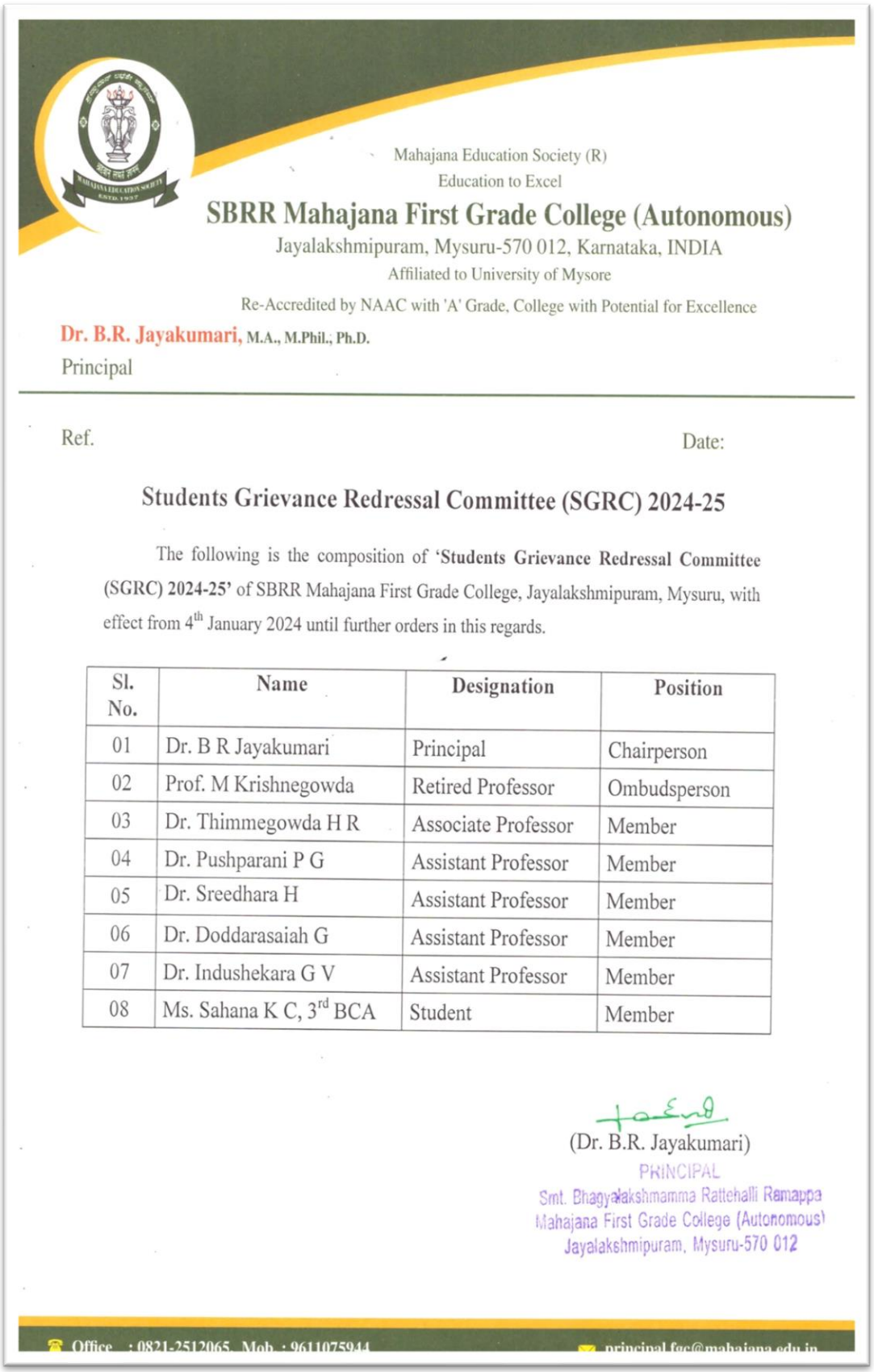
Counseling Committee

The following is the composition of 'Counseling Committee 'of SBRR Mahajana First Grade College, Jayalakshmipuram, Mysuru, with effect from 4th January 2024 until further orders in this regards.

Sl. No.	Name	Designation
01	Dr. B R Jayakumari, Principal	Chairperson
02	Prof. Harish Machia Kondandera HoD, DoS in MBA	Member
03	Dr. H R Thimmegowda HoD, Dept. of Kannada	Member
04	Smt. Mamatha C K, Assistant Professor, Dept. of Psychology	Member
05	Smt. Shobha D Assistant Professor, Dept. of Computer Application	Member
06	Sri Sunil N Assistant Professor, Dept. of Commerce	Member

(Dr. B.R. Jayakumari)
PRINCIPAL
Smt. Bhagyalakshmamma Rallahalli Ramappa
Mahajana First Grade College (Autonomous)
Jayalakshmipuram, MYSURU-570 012

- **Students Grievance Redressal Committee (SGRC) 2024-25**



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Dr. B.R. Jayakumari, M.A., M.Phil., Ph.D.
Principal

Ref. Date:

Students Grievance Redressal Committee (SGRC) 2024-25

The following is the composition of **'Students Grievance Redressal Committee (SGRC) 2024-25'** of SBRR Mahajana First Grade College, Jayalakshmipuram, Mysuru, with effect from 4th January 2024 until further orders in this regards.

Sl. No.	Name	Designation	Position
01	Dr. B R Jayakumari	Principal	Chairperson
02	Prof. M Krishnegowda	Retired Professor	Ombudsperson
03	Dr. Thimmegowda H R	Associate Professor	Member
04	Dr. Pushparani P G	Assistant Professor	Member
05	Dr. Sreedhara H	Assistant Professor	Member
06	Dr. Doddarasaiah G	Assistant Professor	Member
07	Dr. Indushekara G V	Assistant Professor	Member
08	Ms. Sahana K C, 3rd BCA	Student	Member

(Dr. B.R. Jayakumari)
PRINCIPAL
Smt. Bhagyalakshmamma Rattehalli Ramappa
Mahajana First Grade College (Autonomous)
Jayalakshmipuram, Mysuru-570 012

Office : 0821-2512065 Mob : 9611075944 principal.fgc@mahajana.edu.in

- **Internal Complaints Committee**

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Dr. B.R. Jayakumari, M.A., M.Phil., Ph.D.
Principal

Ref. Date:

Internal Complaints Committee

The following is the composition of **'Internal Complaints Committee'** of SBRR Mahajana First Grade College, Jayalakshmipuram, Mysuru, with effect from 4th January 2024 until further orders in this regards.

01	Presiding Officer	Dr. B R Jayakumari, Principal	Chairperson
02	Two faculty members	Dr. Pushparani P G, Assistant Professor, Dept. of Economics Dr. Bhavana V , Assistant Professor, Dept. of Social Work	Member Member
03	Two non-teaching employees	Smt. Kamalakshi S, Superintendent Smt. Poornima S, PRO	Member Member Secretary
04	A member from NGO or a person familiar with sexual harassment issues	Smt. Uma Anil, Co-Founder, Balya Foundation	External Member
05	Five Student nominees (if the matter involves students)	Shehazadi, 2nd year BA - CPS	Student Member
06		Rohan M V, 2nd year BBA	Student Member
07		Likitha M, 2nd year BCA	Student Member
08		Vinay Kumar R M 1st year MBA	Student Member
09		Kavyashree S 1st year M.Sc - Microbiology	Student Member

(Dr. B.R. Jayakumari)
PRINCIPAL

- **Anti -Ragging Cell**

Mahajana Education Society (R)

Education to Excel

SBRR Mahajana First Grade College (Autonomous)

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Dr. B.R. Jayakumari, M.A., M.Phil., Ph.D.

Principal

Ref. Date:

Anti - Ragging Cell

The following is the composition of **'Anti - Ragging Cell'** of SBRR Mahajana First Grade College, Jayalakshmipuram, Mysuru, with effect from 4th January 2024 until further orders in this regards.

Sl. No.	Name	Designation
01	Dr. B R Jayakumari, Principal	Chairperson
02	Dr. Thimmegowda H R	Convener
03	Dr. Mahadesh Prasad A J	Professor
04	Dr. Bhaskar H N	Sports Director
05	Dr. Doddarasaiah G	NSS Officer
06	Dr. Capt. Indrani M R	NCC Officer
07	Dr. Somashekar K K	NCC - Naval Unit
08	Ms. Gayathir V	NCC CTO

(Dr. B.R. Jayakumari)

PRINCIPAL

Smt. Bhagyalakshmamma Rattehalli Ramappa

Mahajana First Grade College (Autonomous)

Jayalakshmipuram, Mysuru-570 012

- **Internal Quality Assurance Cell**

Mahajana Education Society (R)
Education to Excel

SBRR Mahajana First Grade College (Autonomous)

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Dr. B.R. Jayakumari, M.A., M.Phil., Ph.D.
Principal

Ref. Date:

Internal Quality Assurance Cell

The following is the composition of '**Internal Quality Assurance Cell**' of SBRR Mahajana First Grade College, Jayalakshmipuram, Mysuru, with effect from 4th January 2024 until further orders in this regards.

Sl. No.	Name	Designation
01	Dr. B R Jayakumari, Principal	Chairperson
02	Dr. Sreedhara H, HoD, History	Dean, Academics
03	Smt. Shruthy Poonacha, Controller of Examination	Faculty Representation from UG& PG
04	Smt. Rachana C R, HoD, M.Sc, CS, & MCA	
05	Dr. Mahesh Prasad A J, Professor, DoS in Biochemistry, School of Life Sciences	
06	Smt. Radhika Rani, Asst. Professor, B.Sc, CS	
07	Ms. Smitha Grace, Dos in Biotech, School of Life Sciences, PG Co-ordinator	
08	Sri T Muralidhar Bhagavat, President, MES	Management Member
09	Dr. C.K.Renukarya Director, PG Co-ordinator	Administrator
10	Dr. S.R.Ramesh, CEO, AcademicAdvisor	Administrator
11	Dr. M Dharma Prasad, CEO, Chief Scientist, M/s. Prosetta, Bioconformatics Private Ltd.	Industrialist
12	Kum. Sharadha, III B.Com	Student
13	Mr. Varun M/s Pairu Organics & Naturals	Alumini
14	Ms. Geetha D, HoD, English	IQAC Co-ordinator
15	Smt. Poornima S, PRO	Communication Co-ordinator

(Dr. B.R. Jayakumari)
PRINCIPAL

- **Internal Committee for persons with disability**

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Dr. B.R. Jayakumari, M.A., M.Phil., Ph.D.
Principal

Ref. **Internal Committee for Persons with Disabilities** Date:

The following is the composition of '**INTERNAL COMMITTEE FOR PERSONS WITH DISABILITIES**' of SBRR Mahajana First Grade College, Jayalakshmipuram, Mysuru, with effect from 4th January 2024 until further orders in this regards.

Sl. No.	Name	Designation
01	Dr. B R Jayakumari, Principal	Chairperson
02	Dr. Pushparani P G, Assistant Professor	Convenor
03	Dr. Smitha Grace S R, Assistant Professor	Member -Teaching
04	Dr. Kekada S Muthamma, Associate Professor	Member - Teaching
05	Sri Kiran Kumar C M	Member - Teaching
06	Smt. Kamalakshi, Superintendent	Member - Non Teaching
07	Sri Chandra Shekar, Attender	Member - Non Teaching
08	Mr. Arman Bilal, III B.Com	Member - Student
09	Ms. Parinitha C Hemanth , II BA-CPS	Member - Student
10	Dr. Vani M Dentist	Member - Parent
11	Sri Marigowda, Secretary – Parents Association	Member - Parent

(Dr. B.R. Jayakumari)
PRINCIPAL
Smt. Bhagyalakshmamma Rattehalli Ramappa
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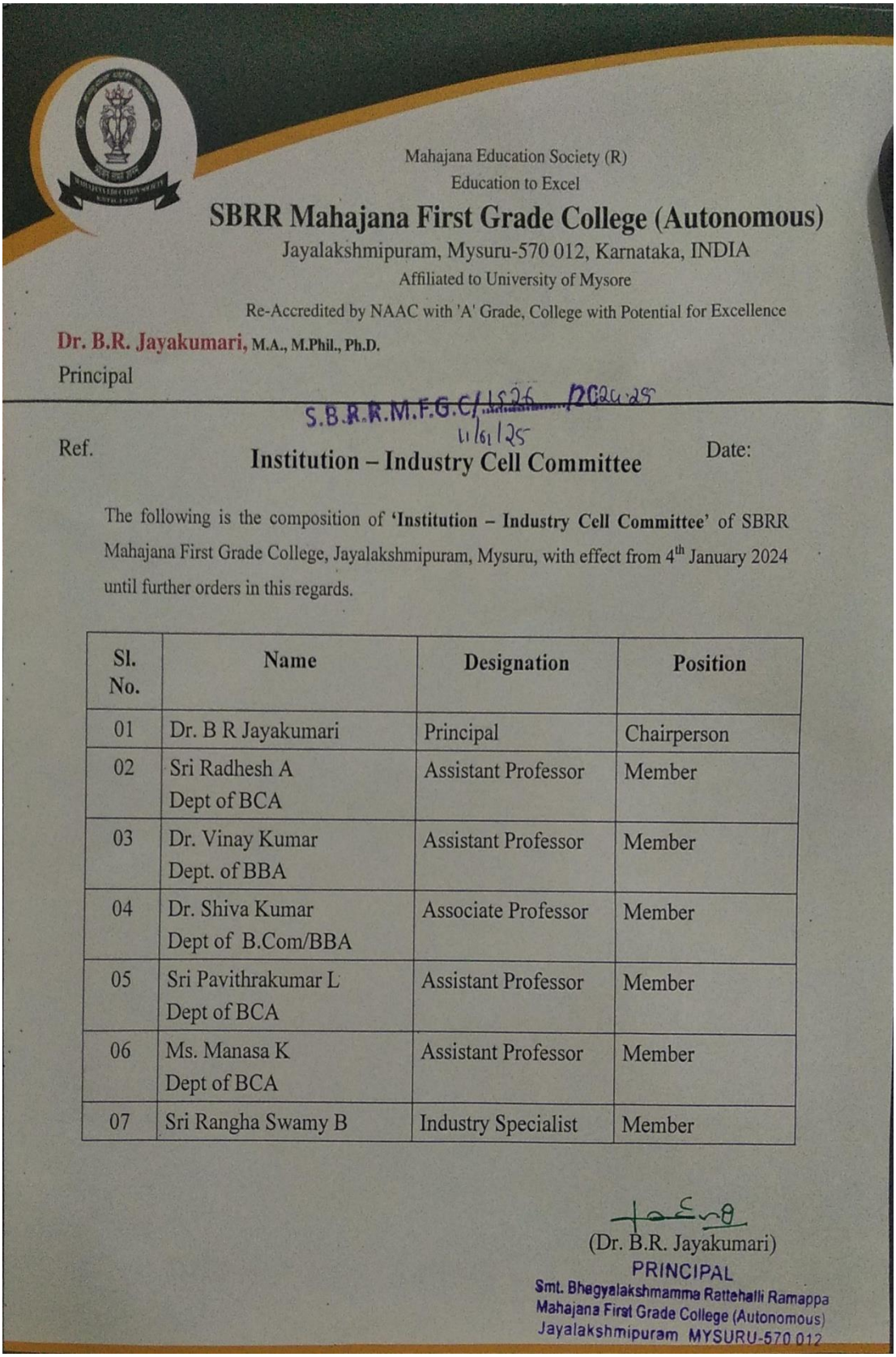
Office : 0821-2512065, Mob. : 9611075944
principal.fgc@mahajana.edu.in

- **Institution –Industry Cell**



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Dr. B.R. Jayakumari, M.A., M.Phil., Ph.D.
Principal

S.B.R.R.M.F.G.C/1526/2024-25
11/01/25

Ref. Date:

Institution – Industry Cell Committee

The following is the composition of **'Institution – Industry Cell Committee'** of SBRR Mahajana First Grade College, Jayalakshmipuram, Mysuru, with effect from 4th January 2024 until further orders in this regards.

Sl. No.	Name	Designation	Position
01	Dr. B R Jayakumari	Principal	Chairperson
02	Sri Radhesh A Dept of BCA	Assistant Professor	Member
03	Dr. Vinay Kumar Dept. of BBA	Assistant Professor	Member
04	Dr. Shiva Kumar Dept of B.Com/BBA	Associate Professor	Member
05	Sri Pavithrakumar L Dept of BCA	Assistant Professor	Member
06	Ms. Manasa K Dept of BCA	Assistant Professor	Member
07	Sri Rangha Swamy B	Industry Specialist	Member

(Dr. B.R. Jayakumari)
PRINCIPAL
Smt. Bhagyalakshmamma Rattehalli Ramappa
Mahajana First Grade College (Autonomous)
Jayalakshmipuram MYSURU-570 012

6 Programmes

- **Programmes approved by AICTE :** Bachelors of Computer Applications
  Total Number of Courses: 2

  Status of accreditation of the course: Accredited to NACC

Name	Bachelors of Computer Applications
Number of Seats	240
Duration	3 years

- Cut-off marks of admission during the last three years :

Academic Year	**Cut-off % for Admission**
2023-24	50%
2022-23	50%
2021-22	50%

- **Fee** :

BCA	I Year	II Year	III Year
Karnataka Students	Rs.61,075/-	Rs. 53,396/-	Rs.51,436 /-
Other State Students	Rs. 1,07,961/-	Rs. 53,396/-	Rs. 51,436/-
Foreign Students	Rs.1,18,985 /-	Rs.61,396 /-	Rs. 51,436/-

- Placement Facilities: Pooled Campus / Off-Campus/on Campus
- Off-Campus Placement in Last Three Years :

SL. no	Year of Passing	Minimum salary	Maximum salary	No. of Students Placed
01	2023-24	Rs. 30,000	Rs. 40,000	48
02	2022-23	Rs. 25,000	Rs. 30,000	46
03	2021-22	Rs. 24,000	Rs. 29,000	42
04	2020-21	Rs. 20,000	Rs. 28,000	39
05	2019-20	Rs. 15,000	Rs. 22,000	32

-

7 Faculty

Course/Branch wise list Faculty members : 30+1

Permanent Faculty : 30 +1

Adjunct Faculty : Nil

Permanent Faculty Student Ratio : 1 : 25

Number of Faculty employed and left during the last three years :

Year	Faculty	
	Employed	Left
2024-25	30	3
2023-24	21	7
2022-23	26	0

8 Profile of the Head of the Institute

DR. B. R. JAYAKUMARI

Date of Birth: 15/10/1966

Education Qualification: M.A, M.Phil, KSET, Ph.D

Work Experience : 33

Area of Specialization: Folklore

Courses taught : Kannada

No. of papers published : 06

Masters : Completed

Ph.D : Completed

Research Publications details: 20

1. **2024**: *Sarvagnanatripadigalalli Jeevana drushti* - Published in *SarvagnanatripadigalaPrastutate*, ISBN: 978-81-970524-5-3.
2. **2023**: *Mysuru SamstanadaShikshanaPragatiyalliNalvadi Krishnaraja VodeyaraKodugegalu* - Published in *National Seminar Proceedings*, ISBN: 978-81-967597-5-9.
3. **2023**: *Vachanagalallikayakapragne* - Published in *Vachana Chintana Vishwa Darshana*, ISBN: 978-93-92424-34-2.
4. **2023**: *Shri Ramayana Darshanamadyayanadallivibhinnaayamagalu* - Published in *NadenudiyalliPro.H.J.Lakkappagowdaru*, ISBN: 978-81-965755-0-2.
5. **2023**: *Dr H J LakkappagowdaraBadukumattubaraha* - Published in *Parishodhanaloka*, ISBN: 978-93-92051-24-1.
6. **2023**: *Nannolaginathimmegowdaru* - Published in *Nijatilaka*, ISBN: 978-81-956525-6-3.
7. **2021**: *Satvika Manodharmada Sahiti DR.H.J.Lakkappagowda* - Published in *Andolana Paper*.
8. **2019**: *UdyogastaMahilamattuSavalugalu* - Published in *Punashchetana*, ISBN: 978-81-9441-91-6.
9. **2020**: *Sarvagjna ThripadigalaOlanota* - Published in *Punarkalpa*, ISBN: 978-81-941843-836, pages 180–196.

10. **2017**: *Kannada Bheeshma B M Shri* - Published in *MandyaSogadu*.
11. **2016**: *NalkaneyaAyama-KadambariyaAvalokana* - Published in *Shodha Bharathi*, ISSN: 23498935.
12. **2016**: *Vishvamanava* - Published in *Hoysala Magazine*.
13. **2010**: *HenninaHuttinaSuttha* - Published in *Yuva Saadhane*.
14. **2012**: *Haladi Kanna Neeli Nota* - Published in *Sowgandhika*.
15. **2006**: *Manavthavadi Prof. P.M. Chikkaboriaha* - Published in *Mannina Hanathe*.
16. **2006**: *Mukyamanthri H.D. Kumaraswamy* - Published in *Mannina Hanathe*.
17. **2004**: *VyakthimathuBaduku, Ex Minister SmtYashodara Dasappa*
18. **2002**: *MymanagalaSuliealli* - Published in *ShatamanadaBelaku*.
19. **1998**: *MahileMatthu Jagruthi* - Published in *NaalaBayalu*.
20. **1998**: *HuliyaHejje – OnduAwalokana* - Published in *Yuva Sadhane*.

No. of Books Published with details(name of the book, publisher with ISBN, year of publication): 16

1. **2024**: *Ganaka Sourabha 1* - Authored by Dr. B. R. Jayakumari.
2. **2022**: *Berigillida Neeru* - Authored by Dr. B. R. Jayakumari, ISBN: 938424094-X.
3. **2021**: *Kala Sourabha 1* - Authored by Dr. B. R. Jayakumari.
4. **2021**: *Kala Sourabha 2* - Authored by Dr. B. R. Jayakumari.
5. **2021**: *Vanijya Sourabha 1* - Authored by Dr. B. R. Jayakumari.
6. **2021**: *Vanijya Sourabha 2* - Authored by Dr. B. R. Jayakumari.
7. **2021**: *Kala Sourabha 4* - Authored by Dr. B. R. Jayakumari.
8. **2020**: *Vijnana Sourabha 1* - Authored by Dr. B. R. Jayakumari.
9. **2020**: *Vijnana Sourabha 3* - Authored by Dr. B. R. Jayakumari.
10. **2019**: *Punashchetana* - Authored by Dr. B. R. Jayakumari, ISBN: 978-81-9441-916.
11. **2019**: *Kala Gangothri 3* - Authored by Dr. B. R. Jayakumari.
12. **2019**: *VanijyaGangothri 3* - Authored by Dr. B. R. Jayakumari.
13. **2019**: *VanijyaGangothri 4* - Authored by Dr. B. R. Jayakumari.
14. **2018**: *Hosagannada Sahitya Samputa* - Authored by Dr. B. R. Jayakumari.
15. **2012**: *Hejje* - Authored by Dr. B. R. Jayakumari.
16. **2012**: *BenkiyolaginaGulabi* - Authored by Dr. B. R. Jayakumari.

9 Profile of Faculties

RADHIKA RANI

Date of Birth: 21/11/1988

Unique ID: MFGC3383

Education Qualification: MCA

Work Experience: 10.5

Area of Specialization: Computer Application

Courses taught: Fundamentals of Computers, C Programming, Data Structures using C, Desktop Publishing (DTP), Object Oriented Programming with Java, Python Programming, Digital Fluency, Office Automation, Software Engineering, Computer Applications, Operating Systems & System Software, Microprocessor 8085.

No. of Papers Published: 03

Masters: Completed

Research Publications Details:

- 2018, Data Analytics and Learning (Proceedings of DAL 2018) (Springer), 978-9-81-132513-7
- 2019, Emerging Research in Electronics, Computer Science and Technology (Proceedings of International Conference, ICERECT) 2018 (Springer), 978-9-81-135801-2, 978-9-81-135802-9
- 2019, 12th National Women's Science Congress (Proceedings – Souvenir)

MANASA K

Date of Birth: 26/03/1991

Unique id : MFGC3273

Education Qualification: M.Sc

Work Experience : 6 years

Area of Specialization : Computer Science

Courses taught: Data communication and Computer Networks, DBMS, Java, Digital Image Processing, Software Engineering, Multimedia and Animation, C programming.

No. of papers published: 2

Masters : Completed

Projects carried out :Interview Tracking System

Patents: Detection Of Security Attacks Using eep Learning In WSN Network

Research Publications details (year of publications, journal, IBSN, impact factor):

Sl. No	Year	Title	Name of Journal / Vol. No. / Issue No./ Page Nos	ISSN No.
1	2022	A computer-aided pipelinedesign for automated classification of tumors inliver on Computed tomography scanimages.	Neuro Quantology / Volume 20 | Issue 15 |Page 6890-6897	doi:10.48047/nq.2022.20.15. NQ 88689
2	2023	An Intelligent Aspectoriented framework fortesting mobile Applications.	The Board of Journal of Emerging Technologies and Innovative Research / Volume 10 /Issue 7	ISSN 2349-5162

SUSHMITHA B C

Date of Birth:09-02-1996

Unique id :MFFC3277

Education Qualification: MSc in ComputerScience

Work Experience : 3 Years 3 months

Area of Specialization:Data Structure

Courses taught :Fundamental of computers,Data Structure Using C , OOPs in java, Programming in C, Fundamental information Technology

Masters :COMPLETED

ROSHAN C L

Date of Birth:07-06-1998

Unique : MFGC3282

Education Qualification: M.Sc. COMPUTER SCIENCE

Work Experience : 03

Area of Specialization : COMPUTER SCIENCE

Courses taught: Numerical Analysis and Statistics, C# & Dot Net Technologies, Computer Graphics, Computer Fundamentals, Data Structure Using C, Artificial Intelligence & Cyber Security, Python Programming

Masters : COMPLETED

NANDINI K S

Date of Birth:20-10-1999

Unique id : MFGC3293

Education Qualification: M.Sc. COMPUTER SCIENCE

Work Experience : 03

Area of Specialization : COMPUTER SCIENCE

Courses taught: B.Sc. (PMCs) - Operating System Lab, Python Programming (OE), Office Automation (OE), Digital Fluency, Computer Applications, Artificial Intelligence, Programming in Python (DSC), Python Programming Lab, Web Designing (OE), Problem Solving in C++, C++ Programming Lab.

Masters : COMPLETED

POOJA P S

Date of Birth: 28/01/1999

Unique id : MFGC3314

Education Qualification: MCA

Work Experience : 3 year

Area of Specialization : Computer Application

Courses taught: Network, Operating System, Java, C#.net

No. of papers published:1

Masters : Completed

Projects carried out :

1. Electric vechicle charging station
2. Criminal SPY

Patents : Detection Of Security Attacks Using Deep Learning In WSN Network

SUBHASHINI V

Date of Birth: 18-06-1999

Unique id : MFGC3315

Education Qualification: MCA

Work Experience : 2 years

Area of Specialization: C# &.NET Technologies.

Courses taught: C# .Net, Multimedia & Animation, Cyber Security, Operating system, Computer Networks, Android programming, Artificial Intelligence.

Masters : MCA, MBA(Ongoing).

MEGHANA URS

Date of Birth: 10/09/1997

Unique id(employee id): MFGC3319

Education Qualification: M.Sc(Computer Science)

Work Experience : 2 years

Courses taught: FIT, Programming in C, OS, Cloud Computing, Web Designing and Java Script, DF.

No. of papers published:0

Masters :Completed

Projects carried out :

An Application for securing messaging using Arm strong Numbers and colors.

Patents : Detection Of Security Attacks Using Deep Learning In WSN Network

MANASA M

Date of Birth: 28/09/1998

Unique id : MFGC3321

Education Qualification: M.Sc

Work Experience : 2 years

Courses taught: DBMS, ADA, AI, DF, Programming in C, FDS.

Masters : Completed

Projects carried out :

1. Steganography using Scaled Matrix

Patents : Detection Of Security Attacks Using Deep Learning In WSN Network

SAHANASHREE G

Date of Birth: 12/05/1999

Unique id : MFGC3328

Education Qualification: MCA

Work Experience : 1.8 years

Work experience in Research/Industry/others: 1 Year experience in Computer Training Institute as a Trainer

Courses taught :Fundamentals of Computers, Programming in C, Data Structure using C, Python Programming, ASP.NET using C#, Cyber Security, Office Automation.

No. of papers published : 1

Masters : Completed

Projects carried out : Cyber bullying detection on twitter using machine learning.

Research Publications details: Enhancing Network Performance:

A Comprehensive Review of SD-WAN, Vol.No. 12, Issue No. 6, 2024, International Journal of Computer Science Trends and Technology, 2347 – 8578, 5.21

JAYASHREE N V

Date of Birth:23/03/1998

Unique id :MFGC3330

Education Qualification: MCA

Work Experience : 1 .8

Work experience in Industry: 3 Months worked as Intern in Accenture Private Limited

Area of Specialization: Java

Courses taught : Computer Networks, Operating System, Java, Cyber Security, Database Management System

Masters : Completed

APOORVA D

Date of Birth:29/07/1997

Unique id : MFGC3329

Education Qualification: MCA

Work Experience : 1.5

Area of Specialization: Artificial Intelligence

Courses taught : Python Programming, Artificial Intelligence, Design and Analysis of Algorithms, Digital Fluency.

Masters : Completed

SARA TAZEEN

Date of Birth: 25-08-1983

Unique id: MFGC 3333

Education Qualification: Msc IT, M.tech It

Work Experience :8 years

Area of Specialization :Information Technology

Courses taught : Computer Networks. Web Technologies

Masters: completed

ANUSHA M U

Date of Birth: 04/10/1999

Unique id : MFGC3337

Education Qualification: MCA,UGC-NET

Work Experience : 1 .6

Work experience in Industry:

- Business Developer at Indian Shades, Mysore September 2022 – April 2023

Area of Specialization : Image Processing, Machine Learning, Deep Learning,

Courses taught : C Programming, Data Structures, Computer Networks

No. of papers published : 2

Masters : Completed in 2022

Projects carried out:

- Online Shopping website using PHP
- Give Med – Application for medicine buying/selling

Research Publications details :

- A review on bird classification on different datasets, , March 2020 Research paper published in scopus indexed International Journal of pharmaceutical research. Link- https://doi.org/10.31838/ijpr/2020.12.04.163
- A novel stage wise denoising approach on ancient kannada scripts from rock images,July 2022 Research paper published in IEEE Xplore link- https://doi.org/10.1109/ICCES54183.2022.9835997

NAGASHREE S

Date of Birth: 08/07/1983

Unique id: MFGC3348

Education Qualification: MCA

Work Experience : 1 Year 3 Months

Work experience in Industry:

- Worked for Mphasis an HP company as Infrastructure Engineer from Feb 2009 to Oct 2011.
- Worked for Wipro company as Software Engineer from Oct 2011 to Jul 2013.

Courses taught : Software Engineering, Fundamentals of Data Science

Masters completed: MCA

PAVITHRAKUMAR L

Date of Birth: 25/12/2000

Unique id : MFGC3349

Education Qualification: MCA, KSET

Work Experience : 1.5

Area of Specialization : Cloud Computing, Artificial Intelligence.

Courses taught : Digital Marketing, Artificial Intelligence, Cloud Computing, Power BI.

Masters : Completed in the year 2023

Projects carried out :

- Standing Yoga Poses Recognition using Machine Learning
- Face Detection and Recognition
- Diabetes Prediction using LR Module
- Online Voting System

NITHYASHREE R

Date of Birth: 04-09-2000

Unique id : MFGC3356

Education Qualification: MCA

Work Experience : 1 year

Area of Specialization : Computer Application

Courses taught: Fundamental of Information Technology, Multimedia Animation, Digital Fluency, R Programming , Cloud Computing.

Masters : Completed

Projects carried out :

1) Heritage Info Using QR Code.
2) Healthcare Chatbot Using Artificial Intelligence.
3) Wine Quality Prediction Using Machine Learning.
4) Elastic Search Usage Analysis For Resource Scalability In AWS.

ARCHANA A

Date of Birth: 01-07-1997

Unique id : MFGC3350

Education Qualification: MCA

Work Experience : 1 year

Work experience in Research/Industry/others: 2 Years at Marlabs.

Area of Specialization : Computer Application

Courses taught : Java , DBMS, Cyber Security, Digital Fluency, Digital Computer Organization.

Masters : Completed

Projects carried out :

1) Online Food Ordering System.
2) Alterting Fire Accident Using Object Detection.
3) Bridging the Divide Application.
4) Citizenship Works.
5) Reclamo Project.

PRIYA V N

Date of Birth: 01/09/2000

Unique id : 3358

Education Qualification: MCA

Work Experience : 1 year

Area of Specialization : Python, Machine Learning and Deep Learning

Courses taught: DBMS, Multimedia Animations, Statistical Computing and R Programming

Masters : Completed in the year 2023

Projects carried out :

1. Covid-19 Vaccination Made Easy
2. Day to day online marketing
3. Traffic Sign recognition with GUI
4. Classification and Detection of Chandra Namaskara Asana using Deep Learning Approach

SAHANA G

Date of Birth: 17-03-2000

Unique Id : MFGC3370

Education Qualification: MCA

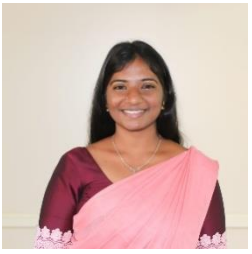
Work Experience : 1.5 Year

Area of Specialization : Computer Applications

Courses taught: Digital Fluency, Python, Software Engineering

Masters : Completed

G R HARSHITA



Date of Birth: 29-06-1999

Unique Id : MFGC3371

Education Qualification: MCA

Work Experience : 0.5

Area of Specialization : Computer Applications

Courses taught: Digital Marketing, Artificial Intelligence

Masters : Completed

TANVI N RAJ

Date of Birth: 21-11-1998

Unique id : MFGC3372

Education Qualification: MCA

Work Experience : 0.5

Area of Specialization(expertise): Java And springs , DBMS

Courses taught: C++ ,ArtificalIntelligece

Masters : Completed

Projects carried out :

1) Tours and travels
2) Automatic Streetlight Iot project.
3) Personal nutritionist using Fatsceret API.

MEGHA A P

Date of Birth: 30/03/2001

Unique id: MFGC3373

Education Qualification: M. Sc Computer Science

Work Experience : 0.2

Area of Specialization: Computer Science

Courses taught : Cyber security, Artificial Intelligence, DBMS

Masters: Completed(2023)

VARSHINI D

Date of Birth: 19/08/2001

Unique id: MFGC3381

Education Qualification: MSc

Work Experience :0.2

Area of Specialization: Computer Science

Courses taught : Cyber security

Masters : Completed

ANANYA R GANGATKAAR

Date of Birth: 08/10/2001

Unique id: MFGC3382

Education Qualification: Master of Computer Application

Work Experience :0.2

Area of Specialization: Computer Applications

Courses taught : Digital Marketing ,Web Content Management

Masters : Completed(2024)

10 Fee:

- Details of Fee, as approved by State Fee Committee, for the Institution

BCA	I Year	II Year	III Year
Karnataka Students	Rs.61,075/-	Rs. 53,396/-	Rs.51,436 /-
Other State Students	Rs. 1,07,961/-	Rs. 53,396/-	Rs. 51,436/-
Foreign Students	Rs.1,18,985 /-	Rs.61,396 /-	Rs. 51,436/-

- Time schedule for payment of Fee for the entire Programme: Yearly.

(As per the admission calendar of SBRR MAHAJANA FIRST GRADE COLEEGE)

- Scholarships provided by the institution

Sl No	Name of the Scholarship	Eligibility for Scholarship	No of Students and their names
1	Sri R Vasudeva Murthy Memorial Freeship	Students who have secured 95% & above in II PUC examination will be eligible for "FREE EDUCATION" (100% waiver of	03

		program fee on scoring 95% & above.)	
2	Smt. Bhagyalakshmamma Memorial Freeship	50% scholarship on "Program Fee" for the students who score 90-94.9%	07
3	RattehalliRamappa Memorial Freeship	25% scholarship on "Program Fee" will be given: • Specially Abled students. • Children of Defence Personnel	00
4	RV Ganesh Memorial Scholarship	Scholarship to the students who are distinguished achievers in the field of sports	12
5	Ambale Subramanya lyer Memorial Scholarship	Scholarship to meritorious students scoring 90% & above, 80% & above, 70% & above	111
6	HV Shankara Rao Memorial Scholarship	scholarship for UG students Scholarship who pay full fee at the time of admission	57
7	Mahajana Education Society Freeship	50% scholarship on "Program Fee" for MES employees' children	00
8	SBRR Mahajana First Grade College Silver Jubliee Scholarship	If Students are from SBRR Mahajana P.U. College, they will get additional scholarship	11

11Admission

- Number of seats sanctioned with the year of approval

Year	Sanctioned
2024-25	240
2023-24	265

- Number of Students admitted under various categories each year in the last three years

Year	GM	SC	ST	CAT 1	2A	2B	3A	3B	Other State	Foreign Students	TOTAL
2024-25	19	34	10	9	53	6	62	44	0	0	237
2023-24	26	29	8	8	64	9	79	36	2	4	265
2022-23	16	26	11	11	36	12	59	31	3	0	205

- Number of applications received during last years for admissions

Sl. No.	Courses	No. of Students Applied	No. of Students Admitted
01	BCA	368	237

(Note : As per University of Mysore Standards)

- Last date of submission of application: As per University of Mysore standards.

- Last date for closing the admission and starting of academic session:

  As per University of Mysore standards.

12 Information of Infrastructure and Other Resources Available

ADMINISTRATIVE AREA

Room No.	Room type (mention Class Room/Laboratory/Toilet, etc.)	Carpet area (in m2)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
1	Reception Area	27.87	Ready	Ready	Ready
10	Faculty Room	26	Ready	Ready	Ready
12	Faculty Room	26	Ready	Ready	Ready
13	Faculty Room	40.87	Ready	Ready	Ready
17	Faculty Room	29.45	Ready	Ready	Ready
19	Faculty Room	55.56	Ready	Ready	Ready
2	Principal Directors Office	44.6	Ready	Ready	Ready
20	Maintenance	36.42	Ready	Ready	Ready
21	Security	4.65	Ready	Ready	Ready
22	Exam Control Office	41.53	Ready	Ready	Ready
23	Central Store	27.4	Ready	Ready	Ready
24	Placement Office	13.93	Ready	Ready	Ready
3	Board Room	45.06	Ready	Ready	Ready
4	Other Office	44.6	Ready	Ready	Ready
5	Other	46.45	Ready	Ready	Ready
6	Office All Inclusive	44.13	Ready	Ready	Ready
8	Faculty Room	34.19	Ready	Ready	Ready
9	Cabin for Head of Dept	10.78	Ready	Ready	Ready
T101	Principal Directors Office	7.4	Ready	Ready	Ready
T102	Board Room	7.4	Ready	Ready	Ready
T103	Faculty Room	7.4	Ready	Ready	Ready
T104	Faculty Room	7.4	Ready	Ready	Ready
T105	Reception Area	250	Ready	Ready	Ready

AMENITIES AREA

Room No.	Room type (mention Class Room/Laboratory/Toilet, etc.)	Carpet area (in m2)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
Avc - 1	Others	65	Ready	Ready	Ready
Avc - 2	Others	116.12	Ready	Ready	Ready
Avc - 3	Others	97	Ready	Ready	Ready
Mfgc23	Stationery Store	27.41	Ready	Ready	Ready
Mfgc25	Cafeteria	116	Ready	Ready	Ready
Mfgc26	Toilet	135.55	Ready	Ready	Ready
Mfgc27	Girls Common Room	27.87	Ready	Ready	Ready
Mfgc28	First aid cum Sick Room	18.58	Ready	Ready	Ready
Mfgc29	Guest House	22.3	Ready	Ready	Ready

Mfgc30	Sports Club	611.77	Ready	Ready	Ready
Mfgc31	Auditorium	1937.31	Ready	Ready	Ready
Mfgc32	Boys' Hostel	445.93	Ready	Ready	Ready
Mfgc33	Girls' Hostel	418.06	Ready	Ready	Ready
T106	Auditorium	297	Ready	Ready	Ready

INSTRUCTIONAL AREA

Room No.	Room type (mention Class Room/Laboratory/Toilet, etc.)	Carpet area (in m2)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
1	Classroom	44.59	Ready	Ready	Ready
16	Classroom	45.71	Ready	Ready	Ready
18	Classroom	43.85	Ready	Ready	Ready
19	Classroom	50.54	Ready	Ready	Ready

MAHAJANA FIRST GRADE COLLEGE

INFRASTRUCTURE DETAILS – BCA (AI)

ADMINISTRATIVE AREA

Room No.	Room type (mention Class Room/Laboratory/Toilet, etc.)	Carpet area (in m2)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
Cbn1	HOD Room	38	Ready	Ready	Ready
Cbn2	Office Room	11.2	Ready	Ready	Ready
Cbn3	Coordinator Room	11.2	Ready	Ready	Ready
Cbn4	16 Cubical Staff Room	125	Ready	Ready	Ready

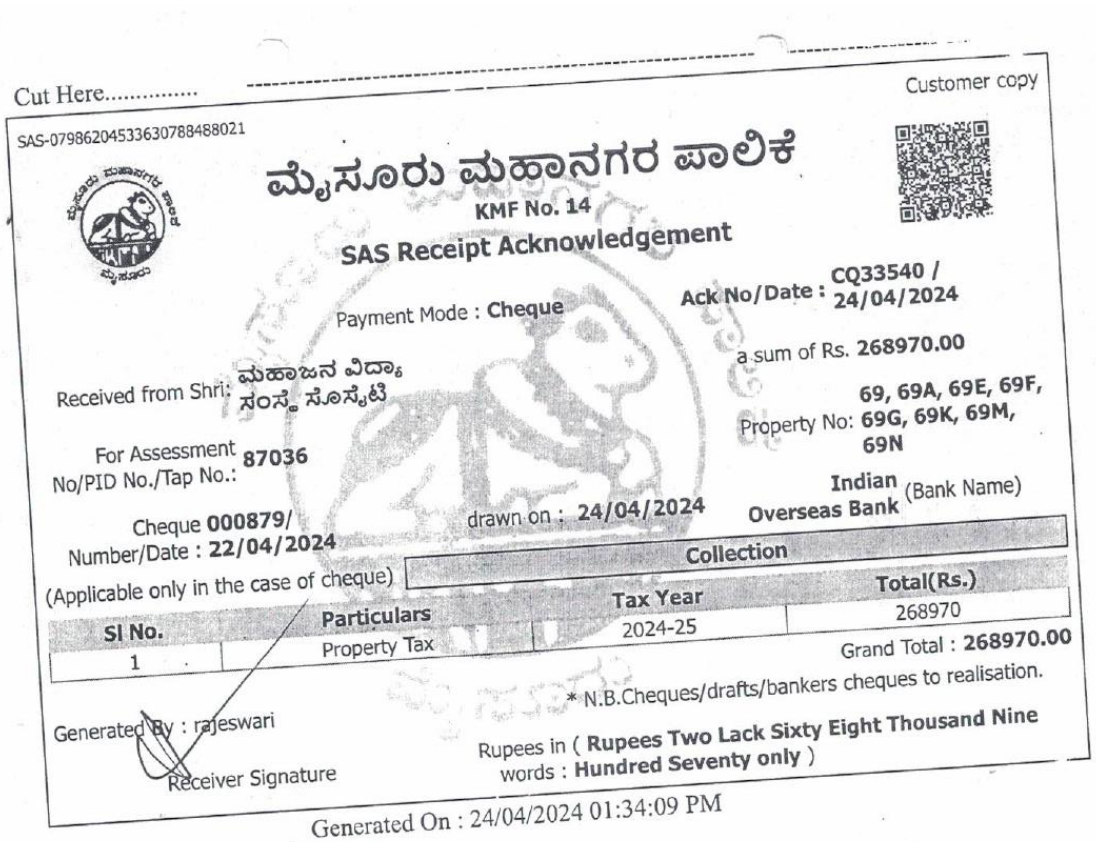
AMENITIES AREA

Room No.	Room type (mention Class Room/Laboratory/Toilet, etc.)	Carpet area (in m2)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
AUD	Auditorium	150	Ready	Ready	Ready
GT	Toilet	7.5	Ready	Ready	Ready
LT	Toilet	7.5	Ready	Ready	Ready
Cafe	Cafeteria	150	Ready	Ready	Ready
GirlsT	Girls Toilet	27	Ready	Ready	Ready
BoysT	Boys Toilet	27	Ready	Ready	Ready
SH	Seminar Hall	132	Ready	Ready	Ready

INSTRUCTIONAL AREA

Room No.	Room type (mention Class Room/Laboratory/Toilet, etc.)	Carpet area (in m2)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
CSL1	Computer Laboratory	77.3	Ready	Ready	Ready
CSL2	Computer Digi_Robo Laboratory	75	Ready	Ready	Ready
CSCR1	Classroom	68	Ready	Ready	Ready
CSCR2	Classroom	68	Ready	Ready	Ready
CSCR3	Classroom	68	Ready	Ready	Ready
CSCR4	Classroom	68	Ready	Ready	Ready

- **Occupancy Certificate**



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Customer copy

SAS-07986204533630788488021

ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

KMF No. 14

SAS Receipt Acknowledgement

Payment Mode : **Cheque**

Ack No/Date : **CQ33540 / 24/04/2024**

Received from Shri: **ಮಹಾಜನ ವಿದ್ಯಾ ಸಂಸ್ಥೆ ಸೊಸೈಟಿ**

a sum of Rs. **268970.00**

For Assessment No/PID No./Tap No.: **87036**

Property No: **69, 69A, 69E, 69F, 69G, 69K, 69M, 69N**

Cheque Number/Date : **000879/ 22/04/2024**

drawn on : **24/04/2024**

Indian Overseas Bank (Bank Name)

(Applicable only in the case of cheque)

Sl No.	Particulars	Collection	
		Tax Year	Total(Rs.)
1	Property Tax	2024-25	268970

Grand Total : **268970.00**

Generated By : rajeswari

* N.B.Cheques/drafts/bankers cheques to realisation.

Receiver Signature

Rupees in words : **(Rupees Two Lack Sixty Eight Thousand Nine Hundred Seventy only)**

Generated On : 24/04/2024 01:34:09 PM

2024-25

ಮೈಸೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ನಮೂನೆ-1

(ನಿಯಮ 7 ನೋಡಿ)

ಆಸ್ತಿ ತೆರಿಗೆ ವಿವರ ಪಟ್ಟಿ

SAS ID : 1208848

PID : 87036

Property Type : CONSTRUCTED ASSESSED(COMMERCIAL)

Date : 19/04/2024 12:04:02

Old Assessment No. :

New Assessment No. :

1(a)	ಮಾಲೀಕನ ಹೆಸರು (ಕನ್ನಡ) / Owner Name(Kannada)	ಮಹಾಜನ ವಿದ್ಯಾ ಸಂಸ್ಥೆ ಸೊಸ್ಯೆಟಿ
1(b)	ಮಾಲೀಕನ ಹೆಸರು (ಇಂಗ್ಲಿಷ್) / Owner Name(English)	**MAHAJANA VIDYA SAMSTHE SOCIETY**
2	ಅನುಭೋಗದಾರನ ಹೆಸರು / Occupier Name	ಮಹಾಜನ ವಿದ್ಯಾ ಸಂಸ್ಥೆ ಸೊಸ್ಯೆಟಿ
3	ಮಾಲೀಕನ ವಿಳಾಸ / Owner Address	ಜಯಲಕ್ಷ್ಮೀಪುರಂ, ಮೈಸೂರು -
4	ತೆರಿಗೆ ನಿರ್ಧರಣೆ ವರ್ಷ / Assessment Year	**2024-25**
5	ವಾರ್ಡಿನ ನಂ ಮತ್ತು ಹೆಸರು / Ward Name	19
6	ಬೀದಿ ಅಥವಾ ಪ್ರದೇಶದ ಹೆಸರು / Street Name	ಜಯಲಕ್ಷ್ಮೀಪುರಂ ಮುಖ್ಯ ರಸ್ತೆ
	ಖಾಲಿ ಭೂಮಿ / Open Land	
7(a)	ನಿವೇಶನದ ನಂ / Site Number	69, 69A, 69E, 69F, 69G, 69K, 69M, 69N
7(b)	ಕಟ್ಟಡದ ನಂ / Building Number	/
8	ನಿವೇಶನದ ಒಟ್ಟು ವಿಸ್ತೀರ್ಣ / Total Site Area	112615.23 sq.ft.
9	ಕಟ್ಟಡ ಆವರಿಸಿದ ಭೂಮಿಯ ವಿಸ್ತೀರ್ಣ / Area Occupied by Building	45286 sq.ft.
10	ಎಲ್ಲಾ ಅಂತಸ್ತುಗಳೂ ಸೇರಿ ಕಟ್ಟಡ ನಿರ್ಮಾಣವಾಗಿರುವ ಒಟ್ಟು ಪ್ರದೇಶ / Area Accross all Floors	114505 sq.ft.
11	Plinth factor (Col 9/ Col 10)	0.395493646565652
12	ಖಾಲಿ ಭೂಮಿಯ ವಿಸ್ತೀರ್ಣ (ನ8 - ನ9) / Open Land(No. 8 - No. 9)	67329.23 sq.ft.
13	225 ಚ.ಮೀಟರ್ (2421 ಚದರಡಿ) ಗಿಂತ ಕಡಿಮೆ ಇರುವ ನಿವೇಶನದಲ್ಲಿ ಕಟ್ಟಿದ ವಾಸದ ಮನೆ ಸುತ್ತಲಿನ ಗರಿಷ್ಠ 50 ಚ.ಮೀಟರ್ (538 ಚದರಡಿ)ಗೂ ಮೀರಿ ಖಾಲಿ ಉಳಿಯುವ ಖಾಲಿ ಜಾಗ.	
14	ತೆರಿಗೆಗೆ ಒಳಪಡುವ ಒಟ್ಟು ಖಾಲಿ ಜಾಗ / Total Taxable Vacant Land	67329.23 sq.ft.
15	**ಖಾಲಿ ಭೂಮಿ ವಿಸ್ತೀರ್ಣ / Open Land Area**	
	ಅ) 1000 ಚ.ಮೀಟರ್ (10760 ಚದರಡಿ) ವರೆಗೆ ಅಧಿಕವಿರುವ ಖಾಲಿ ಭೂಮಿ / A) Vacant Land upto 1000 sq.mt.(10760 sq.ft.)	10760 sq.ft.
	ಆ) 1000 ರಿಂದ 4000 ಚ.ಮೀಟರ್ ವರೆಗೆ (10760 ರಿಂದ 43040) ಇರುವ ಖಾಲಿ ಭೂಮಿ / B) Open Land upto 1000 to 4000 sq.mt.(10760 sq.ft.)	32280 sq.ft.
	ಇ) 4000 ಚ.ಮೀಟರ್ (43040 ಚದರಡಿ) ಗಿಂತ ಅಧಿಕ / Vacant Land more than 4000sq.mt.(43040 sq.ft.)	23289 sq.ft.
16(A)	ಚ.ಮೀಟರ (10760 ಚದರಡಿ) ಭೂಮಿಯ ಅಂದಾಜು ಮಾರುಕಟ್ಟೆ ಬೆಲೆ / EMV Full Value	4830.92+483.092 Corner Site(10%)Extra=5314.012 / 7246.38+724.638 Corner Site(10%)Extra=7971.018
16(B)	ಭೂಮಿಯ ಅಂದಾಜು ಮಾರುಕಟ್ಟೆ ಬೆಲೆಯ 50% / EMV Half Value (For 2021-22 25%)	1207.73+120.773 Corner Site(10%)Extra=1328.503 / 1811.59+181.159 Corner Site(10%)Extra=1992.749
17	**ಖಾಲಿ ಭೂಮಿಯ ತೆರಿಗೆಗೆ ಗುರಿಯಾಗುವ ಮೂಲ ಮೌಲ್ಯ / Value Applicable for Open Land tax**	
	ಅ) 1000 ಚ.ಮೀಟರ್ (10760 ಚದರಡಿ) ವರೆಗೆ (ನಂ-15(ಅ) X ನಂ16) / A) upto 1000 sq.mt.(No-15(A) X No-16)	21441979.24
	ಆ) 1000 ರಿಂದ 4000 ಚ.ಮೀಟರ್ ವರೆಗೆ (10760 ರಿಂದ 43040) (ನಂ-15(ಆ) X ನಂ16) / B) 1000 to 4000 sq.mt.(10760 to 43040)(No-15(B) X No-16)	64325937.72
	ಇ) 4000 ಚ.ಮೀಟರ್ (43040 ಚದರಡಿ) (ನಂ-15(ಇ) X ನಂ16) / C) 4000 sq.mt. (43040 sq.ft) (No-15(C) X No-16)	46409589.79
18	**ಖಾಲಿ ಭೂಮಿಯ ತೆರಿಗೆ ದರ / Tax of Open Land**	
	ಅ) 1000 ಚ.ಮೀಟರ್ (10760 ಚದರಡಿ) ವರೆಗೆ / A) Rate of Open Land Tax upto 1000 sq.mt. (10760 sq.ft)	0.206 %
	ಆ) 1000 ರಿಂದ 4000 ಚ.ಮೀಟರ್ ವರೆಗೆ (10760 ರಿಂದ 43040) / B) Rate of Open Land from 1000 to 4000 sq.mt. (10760 to 43040)	0.206 %
	ಇ) 4000 ಚ.ಮೀಟರ್ (43040 ಚದರಡಿ) ಗಿಂತ ಅಧಿಕ / C) Rate of Open Land Tax more than 4000 sq.mt.(43040 sq.ft.)	0.206 %
	ಆಸ್ತಿ ತೆರಿಗೆ / Property Tax	
19	ಖಾಲಿ ಭೂಮಿಯ ಮೇಲಿನ ಆಸ್ತಿ ತೆರಿಗೆ (ನ.17(ಅ)Xನ.18(ಅ) + ನ.17(ಆ)Xನ.18(ಆ) + ನ.17(ಇ)Xನ.18(ಇ)) / Property Tax on Open Land(No-17(B) X No-18(A) + No-17(B) X No-18(B) + No-17(C) X No-18(C))	272285.66 INR
20	ಕಟ್ಟಡ ಆವರಿಸಿದ ಭೂಮಿಯ ವಿಸ್ತೀರ್ಣ / Area Occupied by Building	45286 sq.ft.
21	ಭೂಮಿಯ ಮೂಲ ಮೌಲ್ಯ (ನಂ20 X ನಂ 16) / Capital Value of Land	60162451 / 90243676.5

22	ಕಟ್ಟಡದ ಮಾದರಿ / Building Type	GF1=ಆರ್.ಸಿ.ಸಿ.ಮೊಸಾಯಿಕ್ ಫ್ಲೋರಿಂಗ್, ಹೊನ್ನಮರ ಬಾಗಿಲು ಉಕ್ಕಿನ ಕಿಟಕಿ(430,530),GF2=ಆರ್.ಸಿ.ಸಿ.ಮೊಸಾಯಿಕ್ ಫ್ಲೋರಿಂಗ್, ಹೊನ್ನಮರ ಬಾಗಿಲು ಉಕ್ಕಿನ ಕಿಟಕಿ(430,530),GF3=ಆರ್.ಸಿ.ಸಿ.ರೆಡ್ ಆಕ್ಸೈಡ್, ನೆಲ ಕಾಡಿನ ಮರ (380,460),GF4=ಆರ್.ಸಿ.ಸಿ.ರೆಡ್ ಆಕ್ಸೈಡ್, ನೆಲ ಕಾಡಿನ ಮರ (380,460),FF1=ಆರ್.ಸಿ.ಸಿ.ರೆಡ್ ಆಕ್ಸೈಡ್, ನೆಲ ಕಾಡಿನ ಮರ (340,410),FF2=ಆರ್.ಸಿ.ಸಿ.ರೆಡ್ ಆಕ್ಸೈಡ್, ನೆಲ ಕಾಡಿನ ಮರ (340,410),SF1=ಆರ್.ಸಿ.ಸಿ.ಮೊಸಾಯಿಕ್, ಫ್ಲೋರಿಂಗ್, ಹೊನ್ನೆ ಮರ (SF-390,500),SF2=ಆರ್.ಸಿ.ಸಿ.ರೆಡ್ ಆಕ್ಸೈಡ್, ನೆಲ ಕಾಡಿನ ಮರ (SF-340,410)
23(A)	ಕಟ್ಟಡದ ನಿರ್ಮಾಣದ ಚದರಡಿ ಅಂದಾಜು ದಟ್ಟ / Slab Rate Full	GF1 = 1350 Rs/sq ft.,GF2 = 1350 Rs/sq ft.,GF3 = 1350 Rs/sq ft.,GF4 = 1350 Rs/sq ft.,FF1 = 1170 Rs/sq ft.,FF2 = 1170 Rs/sq ft.,SF1 = 1170 Rs/sq ft.,SF2 = 1170 Rs/sq ft.
23(B)	ಕಟ್ಟಡದ ನಿರ್ಮಾಣದ ಚದರಡಿ ಅಂದಾಜು ದಟ್ಟದ 50% (2002-03 ರಿಂದ 2004-05 ರ ಒಳಗೆ ಅನ್ವಯವಾಗುವದಿಲ್ಲ) / Slab Rate Half (For 2021-22 25%)	GF1 = 338 Rs/sq ft.,GF2 = 338 Rs/sq ft.,GF3 = 337.5 Rs/sq ft.,GF4 = 337.5 Rs/sq ft.,FF1 = 292.5 Rs/sq ft.,FF2 = 292.5 Rs/sq ft.,SF1 = 292.5 Rs/sq ft.,SF2 = 292.5 Rs/sq ft.
24	ಕಟ್ಟಡದ ಪ್ಲಿಂತ್ ಏರಿಯಾ / Plinth Area	GF1 = 20 sq.ft.(A)0 sq.ft.(UA),GF2 = 1361 sq.ft.(A)0 sq.ft.(UA),GF3 = 3956 sq.ft.(A)0 sq.ft.(UA),GF4 = 39949 sq.ft.(A)0 sq.ft.(UA),FF1 = 5316 sq.ft.(A)0 sq.ft.(UA),FF2 = 38734 sq.ft.(A)0 sq.ft.(UA),SF1 = 5773 sq.ft.(A)0 sq.ft.(UA),SF2 = 19396 sq.ft.(A)0 sq.ft.(UA)
25	ಕಟ್ಟಡದ ನಿರ್ಮಾಣ ದಟ್ಟ (ನ.23 X ನ.24) / Cost of Building (No-23 X No-24)	GF1 = 6760(A)0(UA),GF2 = 460018(A)0(UA),GF3 = 1335150(A)0(UA),GF4 = 13482787.5(A)0(UA),FF1 = 1554930(A)0(UA),FF2 = 11329695(A)0(UA),SF1 = 1688602.5(A)0(UA),SF2 = 5673330(A)0(UA)
26	ಕಟ್ಟಡದ ವಯಸ್ಸು / Age of Building	GF1 = 2010,GF2 = 2006,GF3 = 2006,GF4 = 1947,FF1 = 2006,FF2 = 1985,SF1 = 2006,SF2 = 1994
27	ಸವಕಳಿ ದರ / Depreciation Rate	GF1 = 0,GF2 = 0.01,GF3 = 0.01,GF4 = 0.45284,FF1 = 0.01,FF2 = 0.19837,SF1 = 0.01,SF2 = 0.12245
28	ಕಟ್ಟಡದ ಸವಕಳಿ (ನ.25 X ನ.27) / Amount of Depreciation	GF1 = 0(A)0(UA),GF2 = 4600.18(A)0(UA),GF3 = 13351.5(A)0(UA),GF4 = 6105545.49(A)0(UA),FF1 = 15549.3(A)0(UA),FF2 = 2247471.6(A)0(UA),SF1 = 16886.03(A)0(UA),SF2 = 694699.26(A)0(UA)
29	ಕಟ್ಟಡದ ತೆರಿಗೆಗೆ ಗುರಿಯಾಗುವ ಮೂಲ ಮೌಲ್ಯ / Taxable Capital Value of Building (ನಂ 25 - ನಂ 28) + (ನಂ 24 * ನಂ 16(B) * ನಂ 11)	GF1 = 22522.39(A)0(UA),GF2 = 1528048.55(A)0(UA),GF3 = 4439599.51(A)0(UA),GF4 = 38861830.66(A)0(UA),FF1 = 5729024.33(A)0(UA),FF2 = 39609246.77(A)0(UA),SF1 = 6221530.74(A)0(UA),SF2 = 20264997.89(A)0(UA)
	ಕಟ್ಟಡದಮೇಲಿನ ಆಸ್ತಿ ತೆರಿಗೆ / Builtup Area Property Tax	
30	ಸ್ವತ್ತಿನ ಉಪಯೋಗ / Property Usage	GF1 = Comm.(Non-Self),GF2 = Comm.(Non-Self),GF3 = Comm.(Non-Self),GF4 = Comm.(Non-Self),FF1 = Comm.(Non-Self),FF2 = Comm.(Non-Self),SF1 = Comm.(Non-Self),SF2 = Comm.(Non-Self)
31	ಆಸ್ತಿ ತೆರಿಗೆ ದರ / Rate of Property Tax	GF1 = 0.515,GF2 = 1.0012,GF3 = 0.515,GF4 = 0.515,FF1 = 0.515,FF2 = 0.515,SF1 = 0.515,SF2 = 0.515
32	ಕಟ್ಟಡದ ಮೇಲಿನ ಆಸ್ತಿ ತೆರಿಗೆ (ನ.29 X ನ.31) / Tax on Building(No-19 X No-31)	GF1 = 115.99(A)0(UA(x2)),GF2 = 15298.82(A)0(UA(x2)),GF3 = 22863.94(A)0(UA(x2)),GF4 = 200138.43(A)0(UA(x2)),FF1 = 29504.48(A)0(UA(x2)),FF2 = 203987.62(A)0(UA(x2)),SF1 = 32040.88(A)0(UA(x2)),SF2 = 104364.74(A)0(UA(x2))
33	ವಾಸದ ಮನೆಯಲ್ಲಿ ಸ್ವತಃ ವಾಸವಿದ್ದರೆ (ನ.32ರ 50%) / Rebate for Self(50% of No-32)	GF1 = 115.99(A)0(UA),GF2 = 15298.82(A)0(UA),GF3 = 22863.94(A)0(UA),GF4 = 200138.43(A)0(UA),FF1 = 29504.48(A)0(UA),FF2 = 203987.62(A)0(UA),SF1 = 32040.88(A)0(UA),SF2 = 104364.74(A)0(UA)
34	ಖಾಲಿ ಭೂಮಿ ಮತ್ತು ಕಟ್ಟಡ ಆಸ್ತಿ ತೆರಿಗೆ (ನ.15 + ನ.32) ಅಥವಾ (ನ.19 + ನ.33) / Open land and Building Property Tax(No-15 + No-32)	= 880601
35	ರಿಬೇಟು (5% ರಿಯಾಯ್ತಿ, ಎಪ್ರೀಲ್ 30 ರ ಒಳಗೆ) / Rebate(5% , before April 30th)	Rs.44030.05
	ಸೆಸ್ಸುಗಳು / Cess	
36	ಪಾವತಿ ಮಾಡಬೇಕದ ಒಟ್ಟು ಆಸ್ತಿ ತೆರಿಗೆ (ನ.34 - ನ35) / Total Property Tax(No-34 - No-35)	= 880601
	Health Cess(15%) : 31371.45 Rs. Library Cess(6%) : 12548.58 Rs. Urban Transport Cess(2%) : 4182.86 Rs. Beggary Cess(3%) : 6274.29 Rs.	
37	ಕಲಂ (110) ರ ಅಡಿಯಲ್ಲಿ ತೆರಿಗೆ ವಿನಾಯಿತಿ ಪಡೆದ ಆಸ್ತಿಗಳಿಗೆ ಪಾವತಿಸಬೇಕಾದ ಸೇವಾಶುಲ್ಕದ ಮೊತ್ತ	209143(Diff. Amt. 0 Rs.) (75% Additional Rebate For Private Educational Institutions with Exemption)
38	ಒಟ್ಟು ಸೆಸ್ಸು (ನ.34ರ 26%)	54377
39	ವಾಹನದ ಸೆಸ್ಸು / Vehicle Cess	0
40	ಒಟ್ಟು SWM / Total SWM	Cess : 4800 (Arrears :0 Rs.), SWM Cleaning Charges:0 Rs.
41	ಒಟ್ಟು UGD ಸೆಸ್ಸು / Total UGD Cess	0
42	ಉದ್ಯಾನವನ ಸೆಸ್ಸು / Garden Cess	500
43	ಸ್ಮಶಾನ ನಿರ್ವಹಣೆ ಸೆಸ್ಸು / Cemetery Cess	150
44	ಒಟ್ಟು ದಂಡ (ಜುಲೈ ನಿಂದ ಮಾಸಿಕ 2%) / Total Penalty(from July 2%)	0(0%)
45	ಒಟ್ಟು ದಂಡ KMC ACT Section 112C ರ ಪ್ರಕಾರ / Total Penalty as per KMC ACT Section 112C Rule	0 (Unlawful tax : 0 Rs. + Unlawful tax Cess : 0 Rs.)
46	ಪಾವತಿ ಮಾಡಬೇಕಾದ ಒಟ್ಟು ಮೊಬಲಗು / Total Payable Amount (ನ.37 + ನ.38 + ನ.39 + ನ.40 + ನ.41 + ನ.42 + ನ.43)	268970
	ಪಾವತಿ ವಿಧಾನ / Payment Mode	
47	ಬ್ಯಾಂಕಿನ ಹೆಸರು / Bank Name	HDFC
48	ಮೊಬಲಗು ಮತ್ತು ದಿನಾಂಕ / Amount and Date	

ಶ್ರೀಮತಿ/ಶ್ರೀ

ನಾನು ಈ ವಿವರ ಪಟ್ಟಿಯಲ್ಲಿ ತಿಳಿಸಿದ ಮಾಹಿತಿಯು ನಾನು ತಿಳಿದಿರುವಂತೆ ಮತ್ತು ನಂಬಿರುವಷ್ಟರ ಮಟ್ಟಿಗೆ ನಿಜವೆಂದು, ಪೂರ್ಣವಾಗಿದೆಯೆಂದು ಮತ್ತು 1976ರ ಕರ್ನಾಟಕ ಪುರಸಭೆಗಳ ಅಧಿನಿಯಮದ ಉಪಬಂಧಗಳಿಗೆ ಅನುಸಾರವಾಗಿದೆಯೆಂದು ನಾನು ಈ ಮೂಲಕ ಘೋಷಿಸುತ್ತೇನೆ.

ದಿನಾಂಕ :

ಸಹಿ :

- **Fire and Safety Certificate**

PGC Campus

SBRR Mahajan Post Graduate Center and First Grade College (Autonomous) in respect of Pooja Bhagavath Memorial Mahajan Education Center at Site No. SURVEY NO 21 (FULL) & 22 FULL 28 PART **K.R.S. Road, Metagalli, Mysuru – 570 016.**

BUILDING SAFETY CERTIFICATE

At present there are three main buildings were located for the purpose of post graduate courses at K.R.S. Road, Metagalli, Mysuru – 570 016 as detailed

1) *P.G. Office Block & MCA Section Block of nearly ¼ of Ground Floor Area of building is constructed during 1993 – 1994 and other ¾ area of Ground Floor area and First floor throughout the building is constructed during 2011 – 2012.*

2) *MBA/Biotechnology P.G. section block building of Ground Floor, First Floor and Second floor is constructed during 2004 – 2005.*

3) *Tourism and Hospitability Management block building for PG section is constructed during 2008 – 2009.*

First Building :- *PG Center Office, General Library Block and PG – MCA/M.Sc., Computer Section Block Building.*

One fourth of the Ground portion of the building was constructed during 1992 – 1993 and other three fourth portion of Ground floor and First floor throughout above the Ground floor was constructed during 2011 – 12. The above Ground floor and First floor building is constructed as load bearing structure. Some portion of Ground floor superstructure is constructed with size stone masonry structure and is in stable condition and it is said to be constructed during 1992 – 93 above this First floor for the ¼ portion and ¾ portion of Ground floor and above this First floor was constructed during 2011 – 12 with the whole building is constructed with load bearing structure.

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Both building is having Ground floor plinth area of 1546.04 Sqm and that of the First floor is having 1546.04 Sqm Area (i.e. ¼ of the building area is 320.12 Sqm) & that of the ¾ of the building area is 1225.92 Sqm.

Both portion of the building is found to be stable and safe to resist the expected loads, however there are some plastering cracks at ceiling of auditorium and in some places of walls and also at projection portion of Chejja projections and other places are also some peeling of the plastering portions to be attended and keep the building in good and safer condition.

Also any weakened portion if any found to be damaged in future due to any Natural conditions to be attended urgently then and their itself. The building does not require any series reconsideration in the next eight years. However it is advisable that to make any structures changes (i.e. suitable recondition or extra floor to be constructed if any) and additional floors to the existing building to be attended only with proper technical professional guidance by conducting detailed strength and design study.

The building is found to be safe and stable to carryout the educational activities in the above building.

***Second Building** :- P.G. Center MBA/Biotechnology Section G.F/F.F./S.F Block building.*

The above building is said to be built during 2004 – 2008. The building is constructed with RCC framed structure and partially with load bearing wall with basement Ground floors.

There are 3 portions of the building is constructed during 2004 – 2008

a) *The First portion of building which is of Ground and Two floors (G + 2) is having plinth area of 352.03 Sqm. (32.90 x 10.70)*

b) *The Second portion of building is having Ground and Three floors (G +3) is having plinth are of (13.20 x 10.70) 141.24 Sqm and*

...3

c) Third portion of building is having Ground and Three floors and also the top floor covered with Zinc sheet is having plinth area of 628.09 + 39.59 = 667.68 Sqm (58.70 x 10.70 + 3.70 x 10.70)

The building from one portion to other portions there is no bondage is done. This may be done by providing wire mesh and the leakages should be covered suitably. The building which causes any cracks or damages should be attended then and there without giving any more period to avoid further damages.

The building is constructed on hard soil with suitable foundation. The building is well maintained and building is found to be stable and safe to resist the expected load. However any weakened portion found to be damaged in future due to natural calamities to be attended urgently then and there itself. The above building does not require any recondition in the next 10 years.

The building is found to be safe and stable to carryout the educational activities in the above building

Third Building :- P.G. Center Tourism and Hospitability Management Block Building.

The above building is said to be built during 2008 – 2009 with load bearing wall and with basement ground and at floor at one side and Second floor at other portion of the building as shown in side elevation.

The plinth area of (A) Block side portion of building which is of Ground and Two floor (G + 2) is having plinth area of 455.00 Sqm (45.50 x 10.00) (B) The Second portion of Left side and Right side portion of building which is of Ground and one floors (G + 1) is having 762.50 Sqm (2 Nos. x 15.20 x 25.00) (C) The Third portion of front portion of building which is having 285.65 Sqm (26.40 x 2.90 + 33.10 x 2.90 + 39.00 x 2.90)

...4

The building patches and peel out portions and other damaged portions to be attended then and there itself immediately.

The building is constructed on hard soil with suitable foundation. The building is well maintained and the building is found to be stable and safe to resist the expected load. However any weakened portion found to be damaged in future due to natural calamities to be attended urgently then and there itself. The above building does not require any recondition in the next 12 years.

The building is found to be safe and stable to carryout the educational activities in the above building.

The necessary timely maintenance of the above three building has to be carried out by the authorities frequently.

The building sites have been inspected on 04.08.2022. The above Report is enclosed along with front elevation photo and other sides erections photos etc.

Detailed inspection carried out by and Certified by the Reputed Engineer

(H. GOPINATH)
Engineer

H. GOPINATH, B.E.(Civil)
Retired Assistant Engineer (P.W.D.)
Engineer and Designer
359, 2nd Main, 2nd Cross
Nivedithanagar, MYSURU
Mob: 9964633513

T. Vijayalakshmi Devaraja

Honorary Secretary
MAHAJANA EDUCATION SOCIETY
Jayalakshmipuram
Mysore 570 012

- **Hostel Facilities**: Yes
- **Library**

a. Number of Library books/ Titles/ Journals available (Programme-wise)

	As on 31-03-2024		**Newly added (24-25)**		**Total**	
	Titles	**Volume**	**Titles**	**Volume**	**Titles**	**Volume**
BOOKS	1150	1713	12	15	1162	1728
Amount Spent Rs.				**10223.00**		

E-Books and E-Journals- NLIST **5900.00**(Annual Subscription)

Journals: **14500.00**(Annual Subscription)

International **03**

National **01**

Total Library Area in: **7300 sq. Ft**

No. of Multimedia PCs: **10**

Reading Room Seating Capacity: **150**

Barcode: **Yes**

Library Management Software: **Yes (Koha Software)**

- **Laboratory and Workshop**

a. List of Major Equipment/Facilities in each Laboratory:

I Computer Systems, Projector, Projector Screen, Printer, Scanner, Online UPS, Stabilizer & AC

- **Computing Facilities**

MAHAJANA FIRST GRADE COLLEGE

SYSTEM INFORMATION DETAILS BCA (AI)

Sl. No.	Description	Qty
1	Intel i7, 12th Generation, 16GB Ram, 1 TB SSD HDD, 2GB Graphics Card, 17/19" Monitor, Keyboard and mouse	40
2	Intel i7, 12th Generation, 16GB Ram, 1 TB SSD HDD, 8GB Graphics Card, 17/19" Monitor, Keyboard and mouse	15
3	Acer Nitro V Gaming Laptop 13th Gen Intel Core 5 with NVIDIA 4050 Graphics 6 GB, Windows 11	05
4	Hi-Tech LED Projector	03
5	Smart Interactive Board	03
6	Meta Quest 3S VR Headset	05

SOFTWARE INFORMATION DETAILS BCA (AI)

Sl. No.	Software Description
1	Windows 11, Office 16, Antivirus, Python Open Source, Robotics Software (Open Source), Unity Limited Edition, (All these software's are commonly installed in all the systems)

- **Games and Sports Facilities**
  - Volley Ball court (clay) x1
  - Shuttle Badminton court (i) x1
  - Lawn Tennis court (cement) x1
  - Basket Ball court (cement) x1
  - Table Tennis board x2
  - Carom board x2
  - Kabaddi (clay)x1
  - Cricket field x1
  - Hand Ball (clay)x1
  - Throw Ball(clay) x1

- Kho-Kho court(clay) x1
- Chess board x1
- Hockey field x1
- Football field x1
- Athletic track x1

Teaching Learning Process

- **Curriculum and syllabus :Refer to Appendix 1**

Academic Calendar :

- Internal Continuous Evaluation System and place : Yes
- Student's assessment of Faculty, System in place : Yes

Mahajana Education Society ®
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SBRR Mahajana First Grade College (Autonomous)
Jayalakshmipuram, Mysuru 570 012 Karnataka, INDIA
Affiliated to University of Mysore,
Re-Accredited by NAAC with 'A' Grade, College with Potential for Excellence

08.06.2023

Academic Calendar-Undergraduate (UG)

Common Calendar of Events for the Academic Year 2023-24 (Odd & Even Semester)

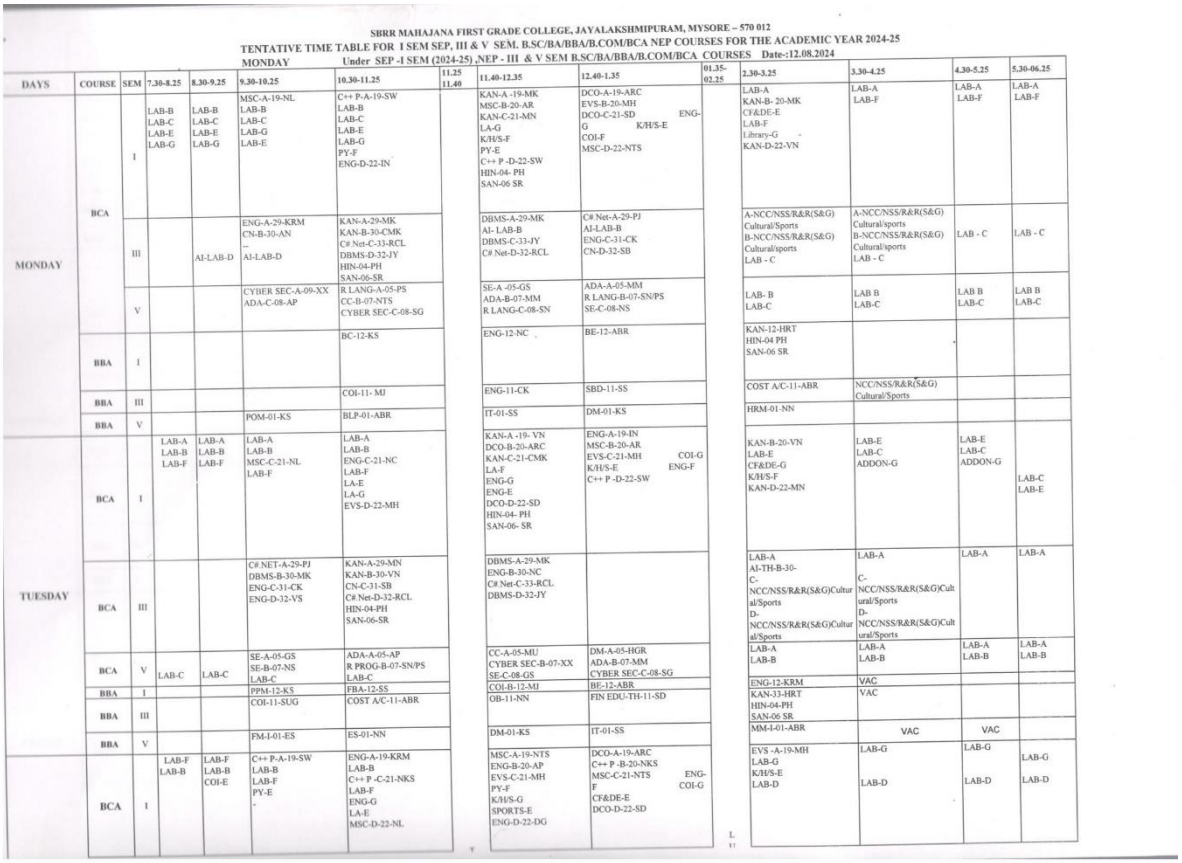
Sl. No.	Academic Activity	Dates
1	Commencement of I, III and V Semester Classes	11.09.2023
2	End of I, III and V Semester Classes	23.12.2023
3	Mid-Term Vacation (including conducting of Examination and Valuation work of I, III and V Semesters)	24.12.2023 to 20.01.2024
4	Commencement of II, IV and VI Semester Classes	12.02.2024
5	Closure of II, IV and VI Semesters	25.05.2024
6	Conducting of Examination and Valuation work of II, IV and VI Semesters (includes terminal vacation)	28.05.2024 to 30.06.2024
7	Commencement of next academic year 2024-25	29.07.2024

(Dr. Sreedhara H)
Dr. SREEDHARA. H.
DEAN-ACADEMICS
SBRR Mahajana First Grade College (Autonomous)
Jayalakshmipuram, MYSURU-570 012

(Dr. B R Jayakumari)

Copy To:
1. Hon. Secretary, MES
2. Administrative Officer, MES
3. MES Office
4. Principal's Office
5. Director, PG Centre
6. Director's Office
7. Director - Tourism Department
8. Office of The Controller of Examinations
9. Examination Section and office – UG

- **Academic Time Table :**



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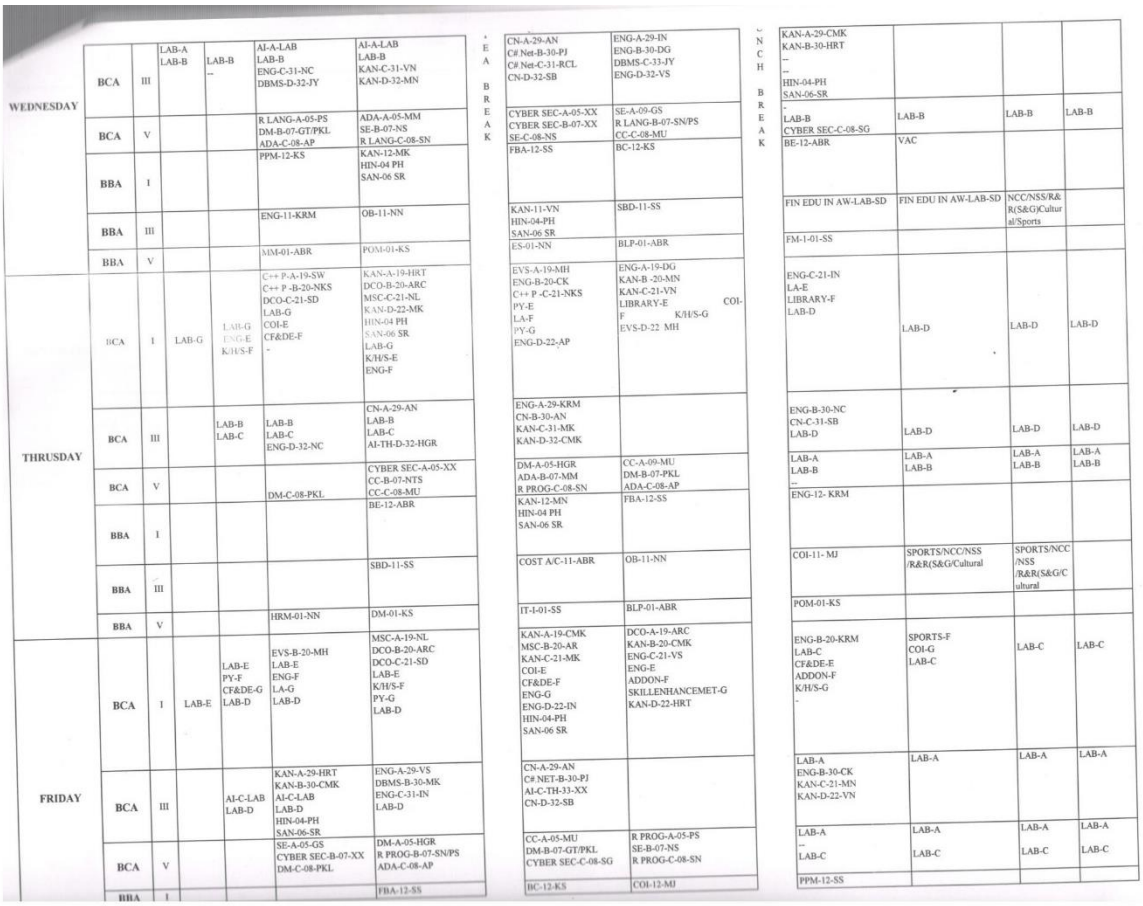
TENTATIVE TIME TABLE FOR I SEM SEP, III & V SEM. B.SC/BA/BBA/B.COM/BCA NEP COURSES FOR THE ACADEMIC YEAR 2024-25

MONDAY Under SEP -I SEM (2024-25) ,NEP - III & V SEM B.SC/BA/BBA/B.COM/BCA COURSES Date-:12.08.2024

DAYS	COURSE	SEM	7.30-8.25	8.30-9.25	9.30-10.25	10.30-11.25	11.25 11.40	11.40-12.35	12.40-1.35	01.35-02.25	2.30-3.25	3.30-4.25	4.30-5.25	5.30-06.25
MONDAY	BCA	I	LAB-B LAB-C LAB-E LAB-G	LAB-B LAB-C LAB-E LAB-G	MSC-A-19-NL LAB-B LAB-C LAB-G LAB-E	C++ P-A-19-SW LAB-B LAB-C LAB-E LAB-G PY-F ENG-D-22-IN		KAN-A -19-MK MSC-B-20-AR KAN-C-21-MN LA-G K/H/S-F PY-E C++ P -D-22-SW HIN-04- PH SAN-06 SR	DCO-A-19-ARC EVS-B-20-MH DCO-C-21-SD ENG-G K/H/S-E COI-F MSC-D-22-NTS		LAB-A KAN-B-20-MK CF&DE-E LAB-F Library-G KAN-D-22-VN	LAB-A LAB-F	LAB-A LAB-F	LAB-A LAB-F
		III		AI-LAB-D	ENG-A-29-KRM CN-B-30-AN -- AI-LAB-D	KAN-A-29-MK KAN-B-30-CMK C# Net-C-33-RCL DBMS-D-32-JY HIN-04-PH SAN-06-SR		DBMS-A-29-MK AI- LAB-B DBMS-C-33-JY C# Net-D-32-RCL	C# Net-A-29-PJ AI-LAB-B ENG-C-31-CK CN-D-32-SB		A-NCC/NSS/R&R(S&G) Cultural/Sports B-NCC/NSS/R&R(S&G) Cultural/sports LAB - C	A-NCC/NSS/R&R(S&G) Cultural/sports B-NCC/NSS/R&R(S&G) Cultural/sports LAB - C	LAB - C	LAB - C
		V			CYBER SEC-A-09-XX ADA-C-08-AP	R LANG-A-05-PS CC-B-07-NTS CYBER SEC-C-08-SG		SE-A -05-GS ADA-B-07-MM R LANG-C-08-SN	ADA-A-05-MM R LANG-B-07-SN/PS SE-C-08-NS		LAB- B LAB-C	LAB B LAB-C	LAB B LAB-C	LAB B LAB-C
	BBA	I				BC-12-KS		ENG-12-NC	BE-12-ABR		KAN-12-HRT HIN-04 PH SAN-06 SR			
	BBA	III				COI-11- MJ		ENG-11-CK	SBD-11-SS		COST A/C-11-ABR	NCC/NSS/R&R(S&G) Cultural/Sports		
	BBA	V			POM-01-KS	BLP-01-ABR		IT-01-SS	DM-01-KS		HRM-01-NN			
TUESDAY	BCA	I	LAB-A LAB-B LAB-F	LAB-A LAB-B LAB-F	LAB-A LAB-B MSC-C-21-NL LAB-F	LAB-A LAB-B ENG-C-21-NC LAB-F LA-E LA-G EVS-D-22-MH		KAN-A -19- VN DCO-B-20-ARC KAN-C-21-CMK LA-F ENG-G ENG-E DCO-D-22-SD HIN-04- PH SAN-06- SR	ENG-A-19-IN MSC-B-20-AR EVS-C-21-MH COI-G K/H/S-E ENG-F C++ P -D-22-SW		KAN-B-20-VN LAB-E CF&DE-G K/H/S-F KAN-D-22-MN	LAB-E LAB-C ADDON-G	LAB-E LAB-C ADDON-G	LAB-C LAB-E
	BCA	III			C# NET-A-29-PJ DBMS-B-30-MK ENG-C-31-CK ENG-D-32-VS	KAN-A-29-MN KAN-B-30-VN CN-C-31-SB C# Net-D-32-RCL HIN-04-PH SAN-06-SR		DBMS-A-29-MK ENG-B-30-NC C# Net-C-33-RCL DBMS-D-32-JY			LAB-A AI-TH-B-30- C- NCC/NSS/R&R(S&G)Cultural/Sports D- NCC/NSS/R&R(S&G)Cultural/Sports	LAB-A C- NCC/NSS/R&R(S&G)Cultural/Sports D- NCC/NSS/R&R(S&G)Cultural/Sports	LAB-A	LAB-A
	BCA	V	LAB-C	LAB-C	SE-A-05-GS SE-B-07-NS LAB-C	ADA-A-05-AP R PROG-B-07-SN/PS LAB-C		CC-A-05-MU CYBER SEC-B-07-XX SE-C-08-GS	DM-A-05-HGR ADA-B-07-MM CYBER SEC-C-08-SG		LAB-A LAB-B	LAB-A LAB-B	LAB-A LAB-B	LAB-A LAB-B
	BBA	I			PPM-12-KS	FBA-12-SS		COI-B-12-MJ	BE-12-ABR		ENG-12-KRM	VAC		
	BBA	III			COI-11-SUG	COST A/C-11-ABR		OB-11-NN	FIN EDU-TH-11-SD		KAN-33-HRT HIN-04-PH SAN-06 SR	VAC		
	BBA	V			FM-I-01-ES	ES-01-NN		DM-01-KS	IT-01-SS		MM-I-01-ABR	VAC	VAC	
	BCA	I	LAB-F LAB-B	LAB-F LAB-B COI-E	C++ P-A-19-SW LAB-B LAB-F PY-E -	ENG-A-19-KRM LAB-B C++ P -C-21-NKS LAB-F ENG-G LA-E MSC-D-22-NL		MSC-A-19-NTS ENG-B-20-AP EVS-C-21-MH PY-F K/H/S-G SPORTS-E ENG-D-22-DG	DCO-A-19-ARC C++ P -B-20-NKS MSC-C-21-NTS ENG-F COI-G CF&DE-E DCO-D-22-SD		EVS -A-19-MH LAB-G K/H/S-E LAB-D	LAB-G LAB-D	LAB-G LAB-D	LAB-G LAB-D



DAYS	COURSE	SEM												
WEDNESDAY	BCA	III	LAB-A LAB-B	LAB-B --	AI-A-LAB LAB-B ENG-C-31-NC DBMS-D-32-JY	AI-A-LAB LAB-B KAN-C-31-VN KAN-D-32-MN		CN-A-29-AN C# Net-B-30-PJ C# Net-C-31-RCL CN-D-32-SB	ENG-A-29-IN ENG-B-30-DG DBMS-C-33-JY ENG-D-32-VS		KAN-A-29-CMK KAN-B-30-HRT -- -- HIN-04-PH SAN-06-SR			
	BCA	V			R LANG-A-05-PS DM-B-07-GT/PKL ADA-C-08-AP	ADA-A-05-MM SE-B-07-NS R LANG-C-08-SN		CYBER SEC-A-05-XX CYBER SEC-B-07-XX SE-C-08-NS	SE-A-09-GS R LANG-B-07-SN/PS CC-C-08-MU		- LAB-B CYBER SEC-C-08-SG	LAB-B	LAB-B	LAB-B
	BBA	I			PPM-12-KS	KAN-12-MK HIN-04 PH SAN-06 SR		FBA-12-SS	BC-12-KS		BE-12-ABR	VAC		
	BBA	III			ENG-11-KRM	OB-11-NN		KAN-11-VN HIN-04-PH SAN-06 SR	SBD-11-SS		FIN EDU IN AW-LAB-SD	FIN EDU IN AW-LAB-SD	NCC/NSS/R&R(S&G)Cultural/Sports	
	BBA	V			MM-01-ABR	POM-01-KS		ES-01-NN	BLP-01-ABR		FM-I-01-SS			
THRUSDAY	BCA	I	LAB-G	LAB-G ENG-E K/H/S-F	C++ P-A-19-SW C++ P -B-20-NKS DCO-C-21-SD LAB-G COI-E CF&DE-F -	KAN-A-19-HRT DCO-B-20-ARC MSC-C-21-NL KAN-D-22-MK HIN-04 PH SAN-06 SR LAB-G K/H/S-E ENG-F		EVS-A-19-MH ENG-B-20-CK C++ P -C-21-NKS PY-E LA-F PY-G ENG-D-22-AP	ENG-A-19-DG KAN-B -20-MN KAN-C-21-VN LIBRARY-E COI-F K/H/S-G EVS-D-22 MH		ENG-C-21-IN LA-E LIBRARY-F LAB-D	LAB-D	LAB-D	LAB-D
	BCA	III		LAB-B LAB-C	LAB-B LAB-C ENG-D-32-NC	CN-A-29-AN LAB-B LAB-C AI-TH-D-32-HGR		ENG-A-29-KRM CN-B-30-AN KAN-C-31-MK KAN-D-32-CMK			ENG-B-30-NC CN-C-31-SB LAB-D	LAB-D	LAB-D	LAB-D
	BCA	V			DM-C-08-PKL	CYBER SEC-A-05-XX CC-B-07-NTS CC-C-08-MU		DM-A-05-HGR ADA-B-07-MM R PROG-C-08-SN	CC-A-09-MU DM-B-07-PKL ADA-C-08-AP		LAB-A LAB-B --	LAB-A LAB-B	LAB-A LAB-B	LAB-A LAB-B
	BBA	I				BE-12-ABR		KAN-12-MN HIN-04 PH SAN-06 SR	FBA-12-SS		ENG-12- KRM			
	BBA	III				SBD-11-SS		COST A/C-11-ABR	OB-11-NN		COI-11- MJ	SPORTS/NCC/NSS /R&R(S&G/Cultural	SPORTS/NCC /NSS /R&R(S&G/C ultural	
	BBA	V			HRM-01-NN	DM-01-KS		IT-I-01-SS	BLP-01-ABR		POM-01-KS			
FRIDAY	BCA	I	LAB-E	LAB-E PY-F CF&DE-G LAB-D	EVS-B-20-MH LAB-E ENG-F LA-G LAB-D	MSC-A-19-NL DCO-B-20-ARC DCO-C-21-SD LAB-E K/H/S-F PY-G LAB-D		KAN-A-19-CMK MSC-B-20-AR KAN-C-21-MK COI-E CF&DE-F ENG-G ENG-D-22-IN HIN-04-PH SAN-06 SR	DCO-A-19-ARC KAN-B-20-CMK ENG-C-21-VS ENG-E ADDON-F SKILLENHANCEMET-G KAN-D-22-HRT		ENG-B-20-KRM LAB-C CF&DE-E ADDON-F K/H/S-G -	SPORTS-F COI-G LAB-C	LAB-C	LAB-C
	BCA	III		AI-C-LAB LAB-D	KAN-A-29-HRT KAN-B-30-CMK AI-C-LAB LAB-D HIN-04-PH SAN-06-SR	ENG-A-29-VS DBMS-B-30-MK ENG-C-31-IN LAB-D		CN-A-29-AN C# NET-B-30-PJ AI-C-TH-33-XX CN-D-32-SB			LAB-A ENG-B-30-CK KAN-C-21-MN KAN-D-22-VN	LAB-A	LAB-A	LAB-A
	BCA	V			SE-A-05-GS CYBER SEC-B-07-XX DM-C-08-PKL	DM-A-05-HGR R PROG-B-07-SN/PS ADA-C-08-AP		CC-A-05-MU DM-B-07-GT/PKL CYBER SEC-C-08-SG	R PROG-A-05-PS SE-B-07-NS R PROG-C-08-SN		LAB-A -- LAB-C	LAB-A LAB-C	LAB-A LAB-C	LAB-A LAB-C
	BBA	I				FBA-12-SS		BC-12-KS	COI-12-MJ		PPM-12-SS			

	BBA	III				COST A/C -11-ABR		ENG-11-KRM	SBD-11-SS		KAN-33-MK HIN-04-PH SAN-06 SR		
	BBA	V			MM-01-ABR	DM-01-KS		ES-01-NN	BLP-01-ABR		HRM-I-01-NN		

	COURSE	SEM	7.30-8.25	8.30-9.25	9.30-10.25	10.25-11.00	10.25-11.00	11.00-11.10	11.15.12.10	12.15.01.10	01.15-2.10	02.15-4.15	1.15-01.45			
SATURDAY	BCA	I	LAB -A	LAB -A ENG-E CF&DE-F PY-G	LAB -A C++ P-B-20-NKS ENG-C-21-CK SKILL ENHANCEMET-E COI-F K/H/S-G C++ P-D-22-SW	WEEKLY ASSEMBLY			LAB -A ENG-B-20-KRM C++ P-C-21-NKS ADDON-E LA-F SPORTS-G MSC-D-22-NL	ENG-A-19-NC ADDON-E SKILL ENHAN CEMET-F CF&DE-G DCO-D-22-SD			DEPARTMENTAL METTING	PARENTS MEETING	GROUP/CRs	MAINTENANCE
	BCA	III			DBMS-A-27-SK C#.Net-B-30-PJ CN-C-33-SR C#.Net-D-32-RCL				SE-A-TH-29-HGR CN-B-30-AN DBMS-C-33-JY ENG-D-32-JN	C#.NET-A-29-PJ DBMS-B-29-MK KAN-C-21-MK KAN-D-22-HRT	NCC/NSS/R&R(S&G)Cultural/Sports					
	BCA	V			R PROG-A-05-PS ADA-B-07-MM SE-C-08-GS				ADA-A-05-AP CC-B-07-NTS DM-C-08-PKL	SE-B-07-NS CC-C-08-MU		Soft Skills				
	BBA	I			KAN-12-HRT HIN-04 PH SAN-06 SR				PPM-12-KS	ENG-12-AP						
	BBA	III			ENG-33-AP				KAN-33-MN HIN-04-PH SAN-06 SR	OB-02-NN	NCC/NSS/R&R(S&G)Cultural/Sports					
	BBA	V			FM-01-SS				IT-01-SS	POM-01-ABR						

PRINCIPAL
Smt. Bhagyalakshmamma Ratti halli Kamappa
Mahajana First Grade College (Autonomous)
Jayalakshmipuram, MYSURU-570 012

SBRR MAHAJANA FIRST GRADE COLLEGE, JAYALAKSHMIPURAM, MYSORE – 570 012

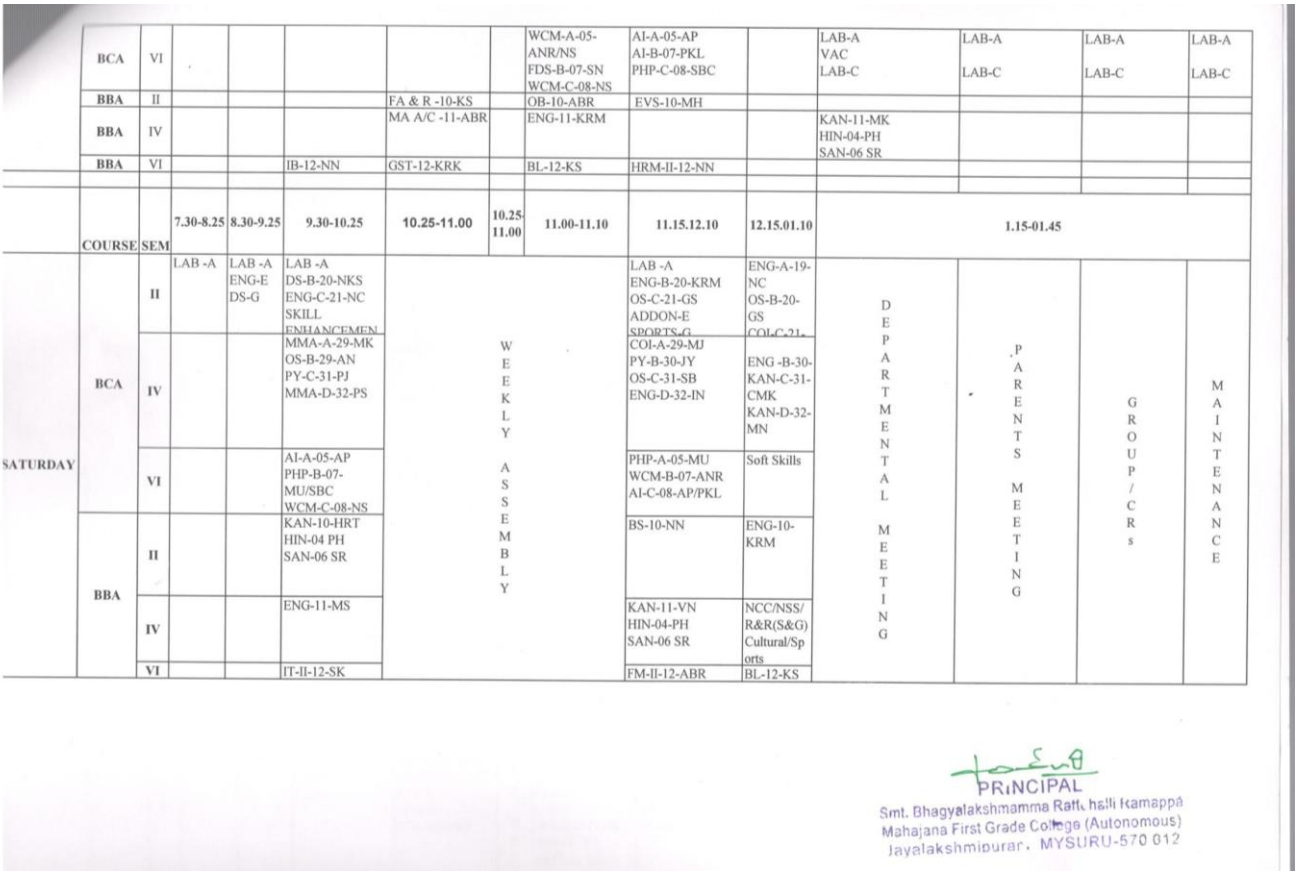
TIME TABLE FOR II SEM SEP, IV & VI SEM. BBA/BCA /BCA -AI/ML NEP COURSES FOR THE ACADEMIC YEAR 2024-25

Under SEP -II SEM (2024-25) ,NEP - IV & VI SEM B.SC/BA/BBA/B.COM/BCA COURSES

DAY	COURSE	SEM	7.30-8.25	8.30-9.25	9.30-10.25	10.30-11.25	11.25 11.40	11.40-12.35	12.40-1.35	01.35-02.25	2.30-3.25	3.30-4.25	4.30-5.25	5.30-06.25
MONDAY	BCA	II	LAB-B LAB-C LAB-E LAB-G	LAB-B LAB-C LAB-E LAB-G	LAB-B LAB-C COI-D-22-MJ LAB-E LAB-G	OS-A-19-RR LAB-B LAB-C LAB-E DS-F LAB-G ENG-D-22-IN	TEA BREAK	KAN-A -19-MK DS-B-20-NKS KAN-C-21-MN DS-E K/H/S-F P&S- G OS-D-22-RR HIN-04- PH SAN-06 SR	JAVA-A-19-ARC ENG-B-20-MS JAVA-C-21-SD K/H/S- E EVS-F ENG-G DS-D-22-SW	LUNCH BREAK	LAB-A KAN-B- 20-MK IRC- E LIB-G LAB-F KAN-D-22-CMK	LAB-A LAB-F Library-D	LAB-A LAB-F	LAB-A LAB-F
		IV				KAN-A-29-MK KAN-B-30-MN COI-C-31-MH PY-D-32-NTS HIN-04-PH SAN-06-SR		PY-A-29-RCL COI-B-30-MJ MMA-C-31-PS FIN EDU IN AW-D-TH-32-SR	OS-A-29-AN PY-B-30-JY ENG-C-31-CK FIN EDU IN AW-D-TH-32-SR		FIN EDU IN AW-A-LAB-SR B-NCC/NSS/R&R(S&G) Cultural/sports LAB - C COI-D-30-MJ	FIN EDU IN AW-A-LAB-SR B-NCC/NSS/R&R(S&G) Cultural/sports LAB - C	LAB - C	LAB - C
		VI				AI-A-05-AP WCM-B-07-ANR PHP-C-08-SBC		FDS-A-05-MM PHP-B-07-MU/SBC AI-C-08-AP/PKL	PHP-A-09-MU AI-B-07-PKL FDS-C-08-AR		VAC LAB- B LAB-C	LAB B LAB-C	LAB B LAB-C	LAB B LAB-C
	BBA	II			VAC	OB-10-ABR		ENG-10-NC	MM-10-KS		KAN-10-VN HIN-04 PH SAN-06 SR			
		IV			VAC	FM & S-11-KS		ENG-11-MS	M A/C -11-ABR		FM -11-NN	NCC/NSS/R&R(S&G) Cultural/Sports		
		VI			HRM-12-NN	IT-12-SK		IB-12-NN	GST-12-KRK		VAC			
	BCA	II	LAB-A LAB-B LAB-F	LAB-A LAB-B LAB-F	LAB-A LAB-B OS-C-21-GS LAB-F P&S-G	LAB-A LAB-B ENG-C-21-MS LAB-F P&S-E ENG-G COI-D-22-MJ		KAN-A -19-MN DS-B-20-NKS KAN-C-21-CMK ENG-E P&S-F COI-G JAVA-D-22- SD HIN-04- PH SAN-06- SR	DS-A-19-SW COI -B-20-MJ JAVA-C-21-SD K/H/S-E ENG-F IRC-G OS-D-22-RR		ENG-19- KAN-B-20-CMK LAB-C LAB-E K/H/S-F ADDON-G KAN-D-22-MN	LAB-C LAB-E ADDON-G	LAB-C LAB-E	LAB-C LAB-E

TUESDAY	BCA	IV			ENG-B-30- COI-C-31-MJ ENG-D-32-VS	KAN-A-29-HRT KAN-B-30-MK ENG-C-31- OS-D-32-AN HIN-04-PH SAN-06-SR	PY-A-29-RCL FIN EDU IN AW- B-30-SD MMA-C-31-PS PY-D-32-NTS	ENG-A-29-IN MMA-B-30-MK OS-C-31-SB MMA-D-32-PS	K	LAB-A COI-B-30-MJ FIN EDU IN AW-C-LAB- SR D- NCC/NSS/R&R(S&G)Cu ltural/Sports	LAB-A FIN EDU IN AW-C- LAB-SR D- NCC/NSS/R&R(S&G)Cultural/Sports	LAB-A	LAB-A
		VI	LAB-C	LAB-C	LAB-C	PHP-A-05-AP FDS-B-07-SN LAB-C	WCM-A-05- ANR/NS AI-B-07-PKL FDS-C-08-AR	FDS-A-05-MM PHP-B-07-MU/SBC AI-C-08-AP/PKL		LAB-A LAB-B VAC	LAB-A LAB-B	LAB-A LAB-B	LAB-A LAB-B
	BBA	II			MM-10-KS	FA & R-10-KS	EVS-10-MH	BS-10-NN		ENG-10-KRM			
		IV			FM-11-NN	M A/C-11-ABR	FM & S-11-KS	BBA-16- SK		KAN-11-MK HIN-04-PH SAN-06 SR	VAC		
		VI			MM-II-12-ABR	GST-12-KRK	IB-12-NN	FM-II-12-AVR				VAC	
WEDNESDAY	BCA	II	LAB-B LAB-F	LAB-B LAB-F	JAVA-A-19-ARC LAB-B JAVA-C-21-SD LAB-F EVS-E	COI-A-19-MJ LAB-B ENG-C-21- LAB-F DS-E ENG-G DS-D-22-SW	OS-A-19-RR ENG -B-20- COI-C-21-MJ P&S-E ENG-F COI-G ENG-D-22-NC	DS-A-19-SW JAVA -B-20-ARC DS-C-21-NKS SPORTS-E ENG-F COI-G JAVA-D-22-SD		ENG-A-19-KRM - Library-C IRC-E LAB-G LAB-D	K/H/S-E LAB-G LAB-D	LAB-G LAB-D	LAB-G LAB-D
		IV	LAB-B	LAB-B --	COI-A-29-MJ LAB-B ENG-C-31-NC OS-D-32-AN	OS-A-29-AN LAB-B KAN-C-31-MK KAN-D-32-MN	FIN EDU IN AW- A-TH-SR MMA-B-30-MK OS-C-31-SB MMA-D-32-PS	ENG-A-29- PY-B-30-JY PY-C-31-PJ ENG-D-32-VS		KAN-A-05-CMK KAN-B-07-HRT -- COI-D-32-MJ HIN-04-PH SAN-06-SR	VAC		
		VI					PHP-A-05-MU AI-B-07-PKL WCM-C-08-NS	AI-A-05-AP FDS-B-07-SN PHP-C-08-SBC		LAB-B	LAB-B	LAB-B	LAB-B
	BBA	II			MM-10-KS	KAN-10-VN HIN-04 PH SAN-06 SR	BS-10-NN	OB-10-ABR			Library-ABR		
		IV			ENG-11-KRM	FM & S -11-KS	KAN-11-HRT HIN-04-PH SAN-06 SR	MA-11-ABR		FM -11-NN	AI-A-LAB	AI-A-LAB	
		VI			HRM-II-12-ANN	IT-II-12-SK	IB-12-NN	GST-12-KRK					

THURSDAY	BCA	II	LAB-G	LAB-G	OS-A-19-RR OS -B-20-GS LAB-G ENG-E K/H/S- F	KAN-A-19-HRT ENG-B-20- DS-C-21-NKS LAB-G EVS-E P&S-F KAN-D-22-MK HIN-04 PH SAN-06 SR	COI-A-19-MJ JAVA-B-20-ARC OS-C-23-GS K/H/S-E ENG-F DS-G ENG-D-22-MS	ENG-A-19-MS KAN-B-20-VN KAN-C-21-HRT DS-E P&S-F K/H/S-G OS-D-22-RR		Library-B Library-E EVS-F COI-G LAB-D	P&S-E Library-F LAB-D	LAB-D	LAB-D
	BCA	IV	LAB-B LAB-C	LAB-B LAB-C	LAB-B LAB-C ENG-D-32-NC	COI-A-29-MJ LAB-B LAB-C FIN EDU IN AW- D-TH-SR	MMA-A-29-MK OS-B-30-AN KAN-C-31-MN KAN-D-32-VN	PY-A-29-RCL ENG-B-30-NC MMA-C-31-PS PY-D-32-NTS		COI-B-30-MJ CN-C-31-SB LAB-D	LAB-D	LAB-D	LAB-D
	BCA	VI				FDS-C-08-AR	WCM-A-09- ANR/NS PHP-B-07- MU/SBC PHP-C-08-SBC	FDS-A-05-MM WCM-B-07-ANR AI-C-08-AP/PKL		LAB-A LAB-B	LAB-A LAB-B	LAB-A LAB-B	LAB-A LAB-B
	BBA	II				BS-10-NN	KAN-A-10-MN HIN-04- PH SAN-06 SR	FA & R -10-KS		ENG-10- CK			
	BBA	IV				FM & S-11-KS	MM -11-ANN	BBA-16- SK		AI-TH-11-	NCC/NSS/R&R(S&G)Cultural/Sports	SPORTS/NCC/NS S /R&R(S&G/Cultur al	
	BBA	VI				IT-II-12-SK	MM-II-I-12-ABR	HRM-12-ABR		VAC			
FRIDAY	BCA	II	LAB-E- LAB-D	LAB-E - LAB-D	LAB-E DS-F IRC-G LAB-D	DS-A-19-SW OS-B-20-GS DS-C-21-NKS LAB-E ENG-F P&S -G LAB-D	KAN-A-19-CMK JAVA-B-20-ARC KAN-C-21-MK EVS-E K/HS-F DS-G ENG-D-22-IN HIN-04-PH SAN-06 SR	JAVA-A-19-ARC KAN-B-20-MK ENG-C-21-VS ENG-E P&S-F ENG-G KAN-D-22-HRT		Library-A COI-B-20-MJ LAB-C IRC-E SKILL ENHANCEMENT-G VAC ADDON-F	LAB-C ADDON-F K/H/S-G	LAB-C SPORTS-F	LAB-C
	BCA	IV	LAB-D	LAB-D	KAN-A-29-HRT KAN-B-30-CMK COI-C-31-MJ LAB-D HIN-04-PH SAN-06-SR	OS-A-29-AN MMA-B-30-MK ENG-C-31-IN LAB-D	MMA-A-29-MK OS-B-30-AN FIN EDU IN AW- C-TH-31-SR COI-D-32-MJ	ENG-A-29-VS ENG-B-30-IN PY-C-31-PJ OS-D-32-AN		LAB-A FIN EDU IN AW-B-LAB- 30-SR KAN-C-05-MN KAN-D-07-CMK	LAB-A FIN EDU IN AW-B- LAB-30-SR	LAB-A	LAB-A



	BCA	VI						WCM-A-05-ANR/NS FDS-B-07-SN WCM-C-08-NS	AI-A-05-AP AI-B-07-PKL PHP-C-08-SBC		LAB-A VAC LAB-C	LAB-A LAB-C	LAB-A LAB-C	LAB-A LAB-C
	BBA	II				FA & R -10-KS		OB-10-ABR	EVS-10-MH					
	BBA	IV				MA A/C -11-ABR		ENG-11-KRM			KAN-11-MK HIN-04-PH SAN-06 SR			
	BBA	VI			IB-12-NN	GST-12-KRK		BL-12-KS	HRM-II-12-NN					
	COURSE	SEM	7.30-8.25	8.30-9.25	9.30-10.25	10.25-11.00	10.25-11.00	11.00-11.10	11.15.12.10	12.15.01.10	1.15-01.45			
SATURDAY	BCA	II	LAB -A	LAB -A ENG-E DS-G	LAB -A DS-B-20-NKS ENG-C-21-NC SKILL ENHANCEMEN	WEEKLY ASSEMBLY			LAB -A ENG-B-20-KRM OS-C-21-GS ADDON-E SPORTS-G	ENG-A-19-NC OS-B-20-GS COLC-21-	DEPARTMENTAL MEETING	PARENTS MEETING	GROUP/CRs	MAINTENANCE
		IV			MMA-A-29-MK OS-B-29-AN PY-C-31-PJ MMA-D-32-PS				COI-A-29-MJ PY-B-30-JY OS-C-31-SB ENG-D-32-IN	ENG -B-30-KAN-C-31-CMK KAN-D-32-MN				
		VI			AI-A-05-AP PHP-B-07-MU/SBC WCM-C-08-NS				PHP-A-05-MU WCM-B-07-ANR AI-C-08-AP/PKL	Soft Skills				
	BBA	II			KAN-10-HRT HIN-04 PH SAN-06 SR				BS-10-NN	ENG-10-KRM				
		IV			ENG-11-MS				KAN-11-VN HIN-04-PH SAN-06 SR	NCC/NSS/R&R(S&G) Cultural/Sports				
		VI			IT-II-12-SK				FM-II-12-ABR	BL-12-KS				

PRINCIPAL
Smt. Bhagyalakshmamma Ratti halli Ramappa
Mahajana First Grade College (Autonomous)
Jayalakshmipuram, MYSURU-570 012

13 Enrolment and Placement details of Students in the last 3 years

Year of Passing	No. of Students Enrolled	No. of Students Placed
2024	128	48
2023	119	46
2022	80	42

14 List of Research Projects / Consultancy Works/ MoUs with industries:

MOU's signed by Dept Computer Application **SBRR Mahajana First Grade College**

Sl. No	MOU with	Address and Contact No	Purpose of MOU	Date of MOU
1	Win Research Center(WRC)	3rd floor CRM complex Yelahanka Banglore-560064	To conduct skill development and software training programs.	28th December 2023
2	Edsipire Research Center	185,M Block ,10th Cross, Kuvempunagar,Mysuru	To conduct skill development and software training programs.	8th January 2025

15 LoA

All India Council for Technical Education

(A Statutory body under Ministry of Education, Govt. of India)

Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2024-25

Letter of Approval (LoA)

F.No. South-West /2024-25/1-44262018134 Date of Approval: 09-May-2024

To,
The Chairman
MAHAJANA EDUCATION SOCIETY
JAYAKSHMIPURAM,
MYSORE,MYSORE
Karnataka,570012

Sub: Letter of Approval for New Institution 2024-25

Sir/Madam,

In terms of the provisions under the All India Council for In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2020 notified by the Council vide notification number F. No. AB/AICTE/REG/2020 dated 4th February, 2020 and amended on 24th February 2021 and norms, standards, procedure and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-44262018134	**Application Id**	1-44262018134
Name of the Institute	SBRR MAHAJANA FIRST GRADE COLLEGE AUTONOMOUS	**Name of the Society/ Trust/ Company**	MAHAJANA EDUCATION SOCIETY
Institute Address	JAYALKSHMIPURAM, MYSORE, MYSORE, Karnataka, 570012	**Society/ Trust/ Company Address**	JAYAKSHMIPURAM, MYSORE,MYSORE Karnataka,570012
Institute Type	Private-Self Financing	**Region**	South-West

For conduct of the following Courses with the Intake indicate below for the Academic Year 2024-25*

Sr. No.	Level	Program	Course	Affiliating University/ Board	Intake Approved for 2024-25
1	UNDER GRADUATE	MANAGEMENT	BBA	Mysore University	120
2	UNDER GRADUATE	MANAGEMENT	BBA	Mysore University	120
3	UNDER GRADUATE	COMPUTER APPLICATIONS	BCA	Mysore University	240

The approval of BBA/BCA/BMS courses is on " as is where is basis" Intake Approved for BBA/BCA/BMS Course is Subject to the approval of the Concern University.

1. The management shall provide adequate funds for development of infrastructural, instructional and other facilities as per norms and standards laid down by the Council from time to time and for meeting recurring expenditure.
2. The Eligibility Criteria for admissions shall be made in accordance with the regulations notified by the Council from time to time.
3. The tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students/ guardians of students in any form. If found so, appropriate action as per the notified regulations shall be initiated against the Institution
4. The management of the Institution shall not discontinue any course(s) or start any new course(s) or alter intake capacity of seats without the prior approval of the Council.
5. No excess admission shall be made by the Institution over and above the approved intake under any circumstances. In case any excess admission is reported to the Council, appropriate action as per the notified regulations shall be initiated against the Institution.
6. The Institution shall not have any collaborative arrangements with any other Indian and / or Foreign Universities for conduct of technical courses without obtaining prior approval from AICTE. In case any violation is reported to the Council, appropriate action as per the notified regulations shall be initiated against the Institution
7. The Institution shall not conduct any course(s) as specified in the Approval Process Handbook without prior permission / approval of AICTE. If found so, appropriate action as per the notified regulations shall be initiated against the Institution.
8. The Institution shall operate only from the approved location, and that the institution shall not open any off campus study centers / extension centers directly or in collaboration with any other institution / university / organization for the purpose of imparting technical education without obtaining prior approval from the AICTE. If found so, appropriate action as per the notified regulations shall be initiated against the Institution.
9. The accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or persons authorized by it.
10. Heads of Departments, the teaching and other staff shall be appointed in given time frame and selection shall be done according to procedures, qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the AICTE from time to time. The Institution shall publish an information booklet before commencement of the academic year giving details

regarding the Institution and courses / programs being conducted, Fees charged and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education. The mandatory disclosure information, as per directions in the AICTE website / Approval Process Handbook, shall be put on the Institution Website. The information shall be revised every year with updated information about all aspects of the Institution.

11. It shall be mandatory for the Institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.
12. As per mandatory Disclosure of APH 2024-27(Annexure-18, page180) Institutions must disclose the following information submitted to Council at the Prominent location on its website.

    i. Department wise availability of Infrastructure along with approved courses and intake approved by the Council.

    ii. Faculty details: Department wise: Name& Designation of the faculty members/teaching staff along with their qualification, tenure of service in your organization, total experience, Institution should also disclose Student Faculty Ratio, Cadre Ratio.

    iii. Additionally, Audited Financial Statements for every Financial year on year to year basis.
13. If the Institution fails to disclose the information or suppress and / or misrepresent the information, appropriate action as per the notified regulations shall be initiated against the Institution.
14. AICTE may also conduct inspections with or without notifying the dates to verify specific complaints, to verify adherence to AICTE norms & standards, and to verify any mis-representation, violation of norms & standards, mal-practices etc.
15. The Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid from the Central or State Government.
16. In the event of a student / candidate withdrawing before the starting of the course, the wait listed candidates should be given admission against the vacant seat. The entire fee collected from the student, after a deduction of the processing fee of not more than Rs. 1000/- (Rupees one thousand only) shall be refunded and returned by the Institution to the student / candidate withdrawing from the program. It would not be permissible for the Institution to retain the School / Institution Leaving Certificates in original to force retention of admitted students and not to charge fees for the remaining period if a student cancels the admission at any point of time.
17. The Institution shall take appropriate measures for prevention of ragging in any form, in the light of AICTE regulation "Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to Universities imparting technical education" Regulation 2009 (F.No. 37-3/Legal/AICTE/2009 dated 01/07/2009). In case of failure to prevent the instances of ragging by the Institutions, the Council shall take appropriate action as per the notified regulations.
18. It is mandatory to comply all the essential requirements as given in APH 2024-25(Appendix 6).

AICTE Approved Institutes are encouraged to make efficient use of the flagship schemes like:

1. Parakh: Student Gap analysis portal bases services.
2. Students Scholarship schemes like Pragati, Saksham, Swanath, ADF, etc.
3. Course in Indian Languages.
4. ATAL FDPs: Faculty training for Emerging areas and cutting edge Technologies.
5. Augmenting Utilization of Research Assets (AURA).
6. Smart India Hackathon: World's largest Open Innovation Platform.

The Government/ Management of the Institution shall strictly follow further conditions as may be specified by the Council from time to time.The Council may withdraw the approval, in case it observe any violation of the above conditions and/or non- adherence to the norms and standards prescribed by the Council, mis-representation of facts and submitting factually incorrect information to it.

NOTE: If the State Government / UT / DTE / DME has a reservation policy for admission in Technical Education Institutions and the same is applicable to Private & Self-financing Technical Institutions, then the State Government / UT/ DTE / DME shall ensure that 10 % of Reservation for EWS would be operational from the Academic year 2022-23. However, this would not be applicable in the case of Minority Institutions referred to the clause (1) of Article 30 of Constitution of India

16Accounted audited statement for the last three years

Refer to Appendix 2

Appendix 1: Course Structure and Syllabus for BCA Programme

SBRR Mahajana First Grade College (Autonomous)

Jayalakshmipuram, Mysuru-570016.

DepartmentofComputerApplication

MOTTO:

Technology forBetterFuture

VISION:

Technologyforall

MISSION:

- ToenhancestudentsAnalyticalandTechnicalskills.
- ToGroomthemtohandleanyIndustryrelatedChallenges.
- Tomakethemsustainableintheever-changingTechnology.
- ToIncreasetheirefficiencyinprogramminglanguage,codingandApplicationDevelopment.

The objectives of the BCA Program

1. The primary objective of this program is to provide a foundation of computingprinciplesandbusinesspracticesforeffectivelyusing /managinginformationsystemsandenterprisesoftware
2. It helps students analyze the requirements for system development and exposesstudentstobusiness softwareandinformationsystems
3. This course provides students with options tospecialize in legacy applicationsoftware,systemsoftwareor mobile applications
4. To produce outstanding IT professionals who can apply the theoretical knowledgeintopracticeintherealworldanddevelopstandalonel iveprojectsthemselves
5. Toprovideopportunityforthestudyofmodernmethodsofinform ationprocessingandits applications.
6. To develop among students, the programming techniques and the problem- solvingskillsthroughprogramming
7. To prepare students who wish to go on to further studies in computer science andrelatedsubjects.
8. To acquaint students to Work effectively with a range of current, standard, OfficeProductivitysoftwareapplications

SBRR Mahajana First Grade College (Autonomous)

Jayalakshmipuram, Mysuru – 570 012 Karnataka, INDIA Affiliated to

University of Mysore

Re-Accredited by NAAC with 'A' Grade, College with Potential for Excellence

Restructured Choice Based Credit System (CBCS) and Continuous Assessment and Grading Pattern (CAGP)

Regulations – 2024-25

Ref. : 1) UGC letter No. F.22-1/2017(AC) Dt. 28.02.2017.

2) UGC Letter No.F.2-10/2023(AC-Policy) 10 July 2024.

3) Principal Secretary, Education Department (Higher Education) Govt. of Karnataka, Bangalore vide Letter No. ED.80/UMN/2018, Dt. 28.08.2018.

4) Order No. CDC-1/UG/PG/179/New Autonomous/2018-19 Dt. 10.10.2018.

Preamble

University Grants Commission (UGC) has stressed on speedy and substantive academic and administrative reforms in higher education for promotion of quality and excellence. The Action Plan proposed by UGC outlines the need to consider and adopt Semester System, Choice Based Credit System (CBCS), and Flexibility in Curriculum Development and Examination Reforms in terms of adopting Continuous Evaluation Pattern by reducing the weightage on the semester end examination so that students enjoy a learning environment with lower stress. Further, UGC expects that institutions of higher learning draw a roadmap in a time bound manner to accomplish the above.

1.Title and Commencement

These Regulations shall be called the regulations for Choice Based Credit System (CBCS) and Continuous Assessment and Grading Pattern (CAGP) for Undergraduate and Post Graduate(UG & PG) Programs of the SBRR Mahajana First Grade College (Autonomous), Mysuru.These Regulations shall come into force from the academic year 2024-25.

2.Undergraduate Programs Offered

2.1Faculty of Arts

1)Bachelor of Arts (B.A.) - 6 Semesters

a) HEG – History, Economics, Geography
b) HES – History, Economics, Sociology
c) HGK – History, Geography, Kannada (Opt)
d) JEE – Journalism, Economics, English (Opt)
e) CPS – Criminology & Forensic Science, Psychology, Sociology

2.2Faculty of Science and Technology

2)Bachelor of Science (B.Sc.) - 6 Semesters

a) PMCs – Physics, Mathematics and Computer Science
b) BtBM – Biotechnology, Biochemistry, Microbiology
c) CPBc – Criminology & Forensic Science, Psychology, Biochemistry
d) BCA – Bachelor of Computer Application

2.3Faculty of Commerce and Business Administration

3) Bachelor of Commerce (B.Com.) - 6 Semesters
4) Bachelor of Business Administration (B.B.A.) - 6 Semesters
5) Bachelor of Business Administration (Hotel and Hospitality) - 6 Semesters
6) Bachelor of Business Administration (Aviation and International Tourism) - 6 Semesters

3.Semesters and Program Structure

3.1All the UG degree programs shall be of six semesters.

3.2An academic year consists of two semesters: Odd Semester and Even semester.

3.3A semester normally extends over a period of 16 weeks (6 days per week) and normally with 90 working days (120 days including exams).

3.4 Program structure

a) Every course offered may have three components: Lecture (L), Tutorial (T) and Practicals (P). Tutorial session consists of participatory discussion/ self-study/desk work/brief seminar presentations by students and such other novel methods.

b) The credit pattern for a course (L: T: P) shall be decided by the respective Boards of Studies (BoS).

c) Credit means the unit by which the course work is measured. One hour session of Lecture per week for 16 weeks amounts to 1 credit. Two hour session of Practicals/Tutorials per week for 16 weeks amounts to 1 credit per semester. The total duration of a semester is 20 weeks inclusive of semester-end examination.

d) Generally, a course of 3 to 5 credits will be evaluated for 100 marks. A course with less than 3 credits will be evaluated for 50 marks. For all approved courses, the evaluation method shall be decided by the respective BoS.

e) Generally, a Project Work/Dissertation shall be evaluated for 100 marks/credits or as decided by the respective BoS.

4.Definitions

4.1Discipline Specific Course (DSC) is a core course, which should compulsorily be studied by a student as a core requirement of the program.

4.2Elective Course is a course which can be chosen from a pool of courses. Itmay be very specific or specialized or advanced or supportive to the discipline/course of study or which provides an extended scope or which enables an exposure to some other discipline/course/domain or nurtures the student's proficiency/skill.

a) Discipline Specific Elective (DSE) is a course offered under the main discipline/course of study or a Project/Dissertation.

b) Project/Dissertation is an elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work. A student has to study such a course on his/her own with advisory support of a faculty member.

c) Elective is an course chosen from an unrelated discipline/course with an intention to seek exposure beyond discipline/course.

d) Ability EnhancementCompulsory Courses (AECC) are of two types: Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC). AECC courses are mandatory based upon the content that leads to knowledge enhancement viz., AECC English/Modern Indian Languages (MIL)/Communication skills. Under Constitutional Values - Environmental Science and Constitution of India. SEC courses are aimed at providing hands-on-training, competencies, skills, etc.

4.3 FEES - means the Admission/Examination/other fee prescribed by the Government of Karnataka, University of Mysore and Management for the UG/PG programs from time to time.

4.4 Grade is a score assigned to the percentage of the marks awarded in a course.

4.5 Grade Point (GP) of a course refers to the product of credits and the Grade earned by the student in that course.

4.6 Grade Point Average (GPA) refers to the performance of the student in a given semester. GPA is the ratio of the total grade points earned by the student in all the courses to the total number of credits assigned to the courses in a semester.

4.7 Semester Grade Point Average (SGPA) refers to the ratio of the total credit points earned by the student of thatsemester of a single course to the total number of credits assigned to the courses of thatsemester.

4.8 Cumulative Grade Point Average (CGPA) is the ratio of the total credit points earned by the student in all the semesters to the total number of credits assigned to the courses of all the semesters.

4.9 About Languages

At the undergraduate level a candidate shall opt for any two languages for study viz., English, Kannada, Hindi, Sanskrit which are taught in the college. However, the students may opt for self-study in Urdu, Tamil, Malayalam, Persian, Arabic and French.

a) Out of the two languages selected, one of the languages shall be an Indian Language. However, in case of foreign nationals, the requirement of an Indian language may be waived by the college.

b) Indian Language means any one of the languages mentioned in VIII Schedule of the Constitution.

c) The College may permit private/self study of a language by a student, if there is no provision for instruction in that course in the college then the student shall be allowed to appear for the examination in that course without insisting on attendance. However, the student should appear for C1 & C2.

d) Deaf and Dumb, Spastic, Mentally Retarded and Learning deficiency students shall study only one language.

e) Change of language shall not be permitted during the period of the program.

6. Eligibility for Admission

6.1For BA,B.Com. and BBAPrograms :

A candidate who has passed the two yearPre-University examination conducted by the Pre-university Board of Education, Government of Karnataka or any other examination considered equivalent by the University is eligible for admission to the First semester of the UG program.

For B.Sc. Program: Only those students who have completed PUC or itsequivalent examination with science courses are eligible.

For B.Sc. [CPBc] Program: Only those students who have completed PUC or itsequivalent examination with Science courses along with Chemistry are eligible.

For B.C.A. Program: Candidate should have passed :

- +2 or P.U.C. and an equivalent course with Mathematics/Computer Science/ Business Mathematics/Accountancy

OR

- 3 yrs Diploma after SSLC/10th class with Computer Science Engineering / Information Science Engineering or equivalent.

For BBA (Hotel & Hospitality)/BBA (Aviation & International Tourism) DegreePrograms :

- A candidate who has passed two years Pre-University Examination conducted by the Pre-University Education Board in the State of Karnataka or any other examination considered as equivalent thereto shall be eligible for admission to these programs.

7Medium of Instruction

The medium of instruction is only in English. However, a student can write the examination either in English or Kannada. This rule is not applicable to languages.

8Scheme of the Program

8.1The minimum duration for completion of a UG Program is six semesters. However, the maximum period to complete UG program is double the duration.

8.2A student has to earn 128 credits for the successful completion of a six semester UG program. The distribution of credits for different courses is given in Annexure-1 (Program Structure).

8.3Only such students, who successfully earn 128 credits in six semesters, without break, shall be considered for declaration of Rank or Medals.

9Course Registration

9.1Every student should register in UUCMS Portal for the courses offered/chosen in that semester.

9.2A student is permitted to choose any of the DSE courses offered by the department during that semester.

9.3 A student is permitted to choose any of the GE courses offered in the college during that semester.

9.4After admission, a student can opt out of the combination registered earlier, and opt for another combination giving valid reasons within two weeks from the date of admission. This issubjected to the condition that the student will be able to fulfil the required minimum attendance in the newly registered course.

9.5A student may be permitted to discontinue the program before the conduct of C1 examination of first semester.

10Attendance

10.1A candidate shall be considered to have satisfied the requirement of attendance for a semester, if he/she attends **not less than 75%** of the number of classes actually held until the end of the semester in **each of the subjects/course.** There shall be no minimum attendance requirement for the Co-curricular and extension activities.A candidate who does not satisfy the requirement of attendance shall not be eligible to take examination of the concerned course.

10.2In case of a candidate who represents the institution/university/state/nation in Sports/NCC/NSS/Cultural or any official activities, shortage of attendance up to a maximum of **15 days** in a semester may be condoned, based on the recommendation of the concerned Head with prior permission of the Head of the institution.

10.3The Head of the Institution/Department shall notify the list of all students who have less than 75% attendance in each course by the beginning of the 16th week of the semester. A copy of the same should be sent to the Controller of Examinations of the college.

10.4A candidate who does not satisfy the requirement of attendance in one or more courses/subjects shall not be permitted to take the C3 examination of these courses/ subjects and the candidate shall seek **re-admission/re-register** to those courses/ subjects in the subsequent year.

11 Transfer within University and from Other Universities

11.1 Transfer to a different institution within the University is permitted only at the beginning of the academic year.

11.2 A Candidate seeking transfer to a different institution within the University of Mysore should have completed all the courses/papers of the previous semesters.

11.3 A Candidate from any other university can join a program of this college only at the beginning of the academic year.

11.4 A Candidate from other university seeking admission by transfer to the college should have completed all the courses of the previous semesters.

11.5 Concerned Head of the Department should scrutinize the Credits and Syllabus, Paper/Courses and recommend for Admissions.

12Continuous Assessment

Assessment and evaluation processes happen in a continuous mode. However, for reporting purposes, a semester is divided into three discrete components identified as C1, C2, and C3. The performance of a student in a course will be assessed as explained below:

12.1The outline of continuous assessment activities for C1 and C2 will be proposed by the respective BoS. This will be based on test / assignment / viva voce / seminar / any other.

12.2The first component, C1, of assessment is for 10% of the total marks. During the first half of the semester, the first 50% of the syllabus should be completed by the 8th week of the semester.

12.3The second component, C2, of assessment is for 10% of the total marks. C2 will be based on the remaining 50% of the syllabus. C2 will be completed during the 15th week of the semester.

12.4During the 18-20thweek of the semester, a semester-end examination shall be conducted by the College for each course. This forms the final component of assessment (C3) which is 80% of the total marks. The student has to apply for the C3 examination as per the College Notification.

12.5 The BoS will decide the scheme of valuation for C3 component of the Practicals.

12.6Project report shall be evaluated as per the scheme recommended by the relevant Board of Studies. C1 and C2 components of the project shall be evaluated by the Project Supervisor.C3 component of the project shall be evaluated jointly by the Project Supervisor and one External Examiner.

12.7For students who could not attend C1 or C2 due to medical reasons/extraordinary circumstances / participation in Sports / NCC / NSS / any other extracurricular activities representing College / University / State / Nation / International (approved by the College), C1 and C2 exams will have to be conducted for them separately before the 15th week of the semester.

13. Evaluation for C1 and C2

13.1The students will be evaluated for each course by the teacher(s) handling that course.

13.2After the evaluation, the results have to be announced by the course teacher within a week. The course teacherhas to **obtain signatures compulsorily of the students registered for the course in a register maintained specifically for the purpose**, indicating that they have no objection to the marks awarded within a **week fromthe date of announcement** of the marks.

13.3In case, a student is not satisfied with the assessment, the student can make an appeal to the **Grievance Cell within 5 days** from the date of announcement of the results. Otherwise, it is presumed that the student has no objection to the marks awarded.

13.4The student can appeal to the Grievance Cell by paying the **prescribed fee Rs.100/- per subject/course**as fixed by the College. The Grievance Cell is empowered to take corrective

measures. The concerned course teacher has to provide all the relevant documents to the Grievance Cell. The decision taken by the Grievance Cell is final.

13.5Visually challenged students or who are disabled from writing with their own hand are permitted to submit assignments for both C1 & C2. To write the C3 examinations the qualification of the scribe should be of lower level of education than the candidate and shall not be related to the candidate in any way. Prior consent in this regard has to be obtained from the Principal by producing the disability certificate issued by the Government Doctor (Ref. Chapter VII in Examination Manual).

13.6It is compulsory for all the students to have 50% of attendance in theory and 75% in practicals for writing C1 and C2. For those who seek late admission for the first semester or incase, of transfer of admission from other college/university, date of admission will be considered for the calculation of required attendance (As suggested by the Autonomy Review Committee).

13.7Attendance for the Second and Third year students will be calculated from the commencement of classes as per the notification issued by the college.

14. Appointment of BoE Chairperson and Member

14.1 The Head of the Department/Senior Faculty (minimum of three years of teaching experience) shall be appointed as the BoE Chairperson/Member.

14.2 If Head of the department has less than three years of teaching experience, in such cases, the Controller of Examinations may appoint Chairperson/ Member from other institutions.

14.3 If the Chairperson attains superannuation in the mid of the semester, the Chairperson can continue in the same position till the end of that examination process. The next senior faculty member in the BoE will be the Chairperson for the next semester end examination.

14.4 If the retired person continues as a teaching faculty and if his/her services are required as Chairperson/member of BoE then, in such case he/she can be designated as the BoE Chairperson after obtaining special permission from the Principal in consultation with CoE and Management.

15. Examination and Evaluation for C3

15.1 **Question paper setting:**

a) The question paper pattern for C3 component of each course shall be prepared by the respective Boards of Studies.

b) Each Department/course shall have a Board of Examiners which shall scrutinize, prepare and approve the question papers for all the courses of that course/subject.

c) The internal examiner can prepare one Question Paper set and two different external examiners will prepare the other two question paper sets.

d) While preparing Question Paper only 10 to 15% (Maximum) repetition of previous question paper is permitted but not verbatim. BoE has to take utmost care in this regard.

e) Question Paper must be prepared as per the syllabus and BoE should ensure that all the units of the syllabi are covered while approving the same.

f) For all examination related work, the members should be selected from approved panel of Examiners only. However, under special circumstances to meet the exigencies, the Chairperson can obtain permission from the Principal and Controller of Examinations to appoint an examiner, outside the approved panel.

15.2 **Evaluation of C3**

a) Before the evaluation the answer scripts shall be coded.

b) There shall be centralized and single evaluation of the C3 theory answer scripts.

c) C3 component of the Practical's will be conducted with two examiners of whom, at least, one is an external examiner. Any examiner on the approved panel of examiners of the Collegenot belonging to the parent college is an external examiner.

d) Minimum experience for evaluation - 5yrs teaching experience for theory and 3yrs for practical (In special cases permission may be obtained from the Controller of Examinations to be approved by the Principal for inviting an examiner).

e) Project shall be evaluated as per the scheme recommended by the relevant Board of Studies. C3 component of the project shall be evaluated jointly by the project supervisor and one external examiner.

f) Each examiner must value 32 scripts per day (16 scripts in the morning session and 16 scripts in the afternoon session)

g) 15% of the answer scripts to be reviewed by Chief / Dy. Chief. Additionally, the scripts of the students scoring 90% and above should be compulsorily reviewed.

h) The Chief / Dy. Chief should evaluate 24 scripts per day (16 scripts to be evaluated and 08 scripts to be reviewed). However, provision has been made to claim for 32 scripts by the reviewer as board average.

15.3 **Results**:

The results of the examinations will be announced within one month after the completion of the examination, unless the situation warrants extra time.

16.Photocopy, Re-totaling and Re-Valuation

16.1A student can avail the following services by paying the prescribed fees to the College within 15 days from the date of announcement of the results:

- Photocopy of the answer script (C3)

- Viewing and Re-totaling.
- Revaluation.

16.2 The Re-totaling facility shall be provided for checking whether all the answers have been valued, and the totalingis correct. In case any answer or part thereof has not been valued, that part may be referred to another valuator, and marks awarded shall be added to the total. In case there is a mistake in totaling or carryover of marks from the inside sheets to the facing sheet, then the Controller of Examination shall have it corrected with the approval of the Principal.

16.3 The result of Re-totalingshall be announced within a week from the date of applying for the same.

16.4 The result of the revaluation shall be announced within twenty days from the last date of the receipt of the application.

16.5 Re-Valuation shall be carried out by an external examiner who has not valued that particular script.

a) If the difference between the original marks and the revaluation marks does not exceed 15 percent of the maximum marks prescribed for that theory paper, the higher of the two will be the final award of marks.

b) If the difference between the original marks and the revalued marks is more than 15 percent of the maximum prescribed for that theory paper, such scripts shall be valued by the third external examiner outside the collegeand marks awarded will be final.

c) In case one or more answers are not valued by the first examiner, then the marks awarded by the subsequent examiner as far as these answers are concerned shall be taken as they are, without averaging with the marks of other answers.

d) In cases where there is a difference between the original marks, first revaluation marks or/and the second revaluation marks clearly indicating that a particular examiner has been erratic in his/her valuation, then such cases shall be referred to the *Malpractice* and *Lapses Inquiry Committee* to establish whether or not any punitive measures need to be taken.

e) If there is a complaint of unfair valuation of answer scripts for a group of students, the Controller of examination in consultation with the Principal may, after a preliminary inquiry, order for revaluation of the paper concerned. After such revaluation, a random sample of 10% of the answer scripts, subject to a minimum of ten, shall be referred for review.

17. Passing Criteria (UG)

17.1 A student is permitted to take C3 examination provided he/she secures minimum of 30% each in both theory and practical of C1 and C2 (put together).The student who fails to score 30% in C1 and C2 **should attend the C1 & C2 Assessment when college conducts the same.**

17.2 A student will be declared as pass provided the student obtains 30% marks in C1 & C2, 30% of the total marks in C3 and a total of 40% in C1, C2 & C3 put together.

17.3 A candidate shall be declared to have passed the program if he/she secures at least 40% of marks or a CGPA of 4.0 (Course Alpha-Sign Grade P) in the aggregate of both internal assessment and semester end examination marks put together in each unit such as theory papers / practical / field work / internship / project work / dissertation / viva-voce, provided the candidate has secured at least 40% of marks in the semester end examinations in each unit.

17.4 In case a student secures less than 30% in C3 or absents for C3, the student is said to have not completed the course. The student shall complete the course by re-appearing only for C3 component of that course when College conducts the examination. The student carries the marks already awarded in C1 and C2.

17.5 On successful completion of UG program, a final grade card consisting of grades of all courses successfully completed by the student will be issued by the College.

17.6 The candidates who pass all the semester examinations in the first attempt are eligible **for ranks** provided they secure at least CGPA of 6.00 (Alpha-Sign Grade B^+).

17.7 A candidate who passes the semester examinations in parts is eligible for only Class, CGPA and Alpha-Sign Grade **but not for ranking.**

17.8 The results of the candidates who have passed the last semester examination but not passed the lower semester examinations shall be declared as NCL (Not Completed the Lower Semester Examinations). Such candidates shall be eligible for the degree, only after completion of all the lower semester examinations.

17.9 If a candidate fails in a course/subject, either in theory or in practical's, he/she shall appear for that course /subject only at any subsequent semester end examination, as prescribed for completing the program. He/she must obtain the minimum marks for a pass in that course/subject (theory and practicals, separately) as stated above.

17.10 The students who have paid the semester's prescribed examination fee are allowed to write the semester end examination (C3). Failing which, he/she is not eligible for getting into the next semester.

18. CARRY OVER:

a) Candidates who fail in lower semester examinations may go to the higher semesters and take the lower semester examinations.

b) The students who have paid the semester's prescribed examination fee are allowed to continue their studies in next semester. However, they should pay the prescribed fee for the subsequent examinations.

19. Makeup Examination

19.1 Makeup examination (only for C3) shall be conducted only for 5th and 6th semesters: provided the candidate shall have passed the previous 4 semester examinations. This examination shall be conducted by the College within 15days from the date of notification of results. This shall be only for those students who do not fulfill the passing criteria specified earlier (Sl. No. 17).

19.2 There is provision for Improvement examination in C3 for all semesters in the respective odd and even semesters. The candidate can appear for the examination by paying prescribed fee. The marks obtained in the Improvement exam shall be final.

20. CLASSIFICATION OF SUCCESSFUL CANDIDATES

The eight points grading system which is described below will be the basis for the declaration of results. The declaration of result is based on the Semester Grade Point Average (SGPA) earned at the end of each semester or the Cumulative Grade Point Average (CGPA) earned at the completion of all the eight semesters of the program and the corresponding overall alpha-sign grades.

20.1 If P is the percentage of the marks secured by a candidate in a course (C1+C2+C3) which is rounded to nearest integer, the grade, G earned by the student in that course will be as given below:

Final Result / Grades Description

Semester GPA/ Program CGPA	Alpha-Sign / Letter Grade	Semester/Program % of Marks	Result / Class Description
10	O (Outstanding)	95 - 100	Outstanding
9.5	A+ (Excellent)	90 – 94	Excellent
9	A (Very Good)	85 – 89	Very Good
8.5	B+ (Good)	80 – 84	Good
8	B Distinction	75 – 79	Distinction
7.5	C ++ First Class	70 – 74	First Class
7	C + First Class	65 – 69	First Class
6.5	C First Class	60 – 64	First Class
6	D Second Class	50 – 59	Second Class
5	P Pass Class	40 – 49	Pass Class
Below 4	F(Fail)	Below 40	Fail/Reappear
0	Ab (Absent)	Absent	

The Semester Grade Point Average (SGPA) in a Semester and the CGPA at the end of each year may be calculated as described in the regulation.

20.2 Semester Grade Point Average (SGPA)

Credit Points for the paper (CP) = No. of Credits assigned for the paper X Grade Point secured for that paper

SGPA indicates the performance of a student in a given Semester. SGPA is based on the total credit points earned by the student in all the courses and the total number of credits assigned to the courses/papers in a Semester.

Note: SGPA is computed only if the candidate passes in all the courses (gets a minimum P grade in all the courses) of semester.

$$\text{SGPA of a semester} = \frac{\text{Total Credit Points in the Semester}}{\text{Total Credits in that Semester}}$$

20.3Cumulative Grade Point Average (CGPA)

CGPA refers to the Cumulative Grade Point Average weighted across all the semesters. CGPA is obtained by dividing the total number of credit points (CP) in all the Semesters by the total number of credits in all the Semesters. The final result at the end of all the semester is declared in the form of CGPA.

$$\text{CGPA} = \frac{\text{Total CP of I Semester + II Semester + III Semester + IV Semester +V Semester + VI Semester}}{\text{Total Credits of I Semester + II Semester + III Semester + IV Semester +V Semester + VI Semester}}$$

20.4 Classification of results

The final grade point to be awarded to the student is based on CGPA secured by the candidate and is mentioned below :

Equivalent/Overall percentage = 10 x (CGPA = 0.5)

(or said to 50.5 % in case CGPA = 5.55)

20.5The overall percentage in a courses is 10 x SGPA.

20.6The overall percentage in program is 10 x CGPA.

21.Class Declaration

The final Qualitative Index to be awarded to the student is based on CGPA. It is given as:

CGPA	Qualitative Index
5≤ CGPA< 6	Second Class
6≤ CGPA< 8	First Class
8≤ CGPA≤ 10	Distinction

22.Nodal Officer, Program Co-ordinator and Student Advisor

22.1The Principal shall nominate a Faculty Member as CBCS Nodal Officer who will act as a liaison with the University and facilitate the implementation of the program.

22.2 Headof the Department shall be the Program Coordinator, who shall be responsible for the Student Advisor's work and student support services.

22.3Every student will have a member of faculty of the Department as Student Advisor. All teachers of the department shall function as Student Advisors and will have more or less equal number of students. The Student Advisor will advise the students in choosing elective courses and offer them all possible assistance.

23.Grievance Cell

For every UG program there will be one Grievance Cell. The composition of this cell is as follows:

- Principal or his/her representative.
- Heads of the Department.
- One senior faculty member from each Department.

24.Discipline

24.1Every student is required to maintain discipline and decorum both inside and outside the campus in accordance with the instructions of the college and also as per the instructions issued by the University of Mysore/Government of Karnataka/UGC from time to time regarding Student Conduct Rules.

24.2Any act of indiscipline of a student is first to be considered by the Disciplinary committee of the college for necessary action. If the issue demands more serious consideration, the act of indiscipline will be reported to the Principal who will initiate appropriate action.

24.3Principal may suspend a student pending inquiry depending upon the prima facie evidence.

24.4The suspended student may appeal to the Principal whose decision will be final and binding.

25.Others

Any issuenot specifically mentioned in these regulations shall be decided by the Principal in consultation with the appropriate bodies of the college.

Any matter which is not covered under this regulation shall be resolved as per the NEP 2021-22 regulations of the college.

Any matter which is not covered under this regulation shall be resolved as per the regulations of University of Mysore.

Mahajana Education Society (R)

Education to Excel

SBRR Mahajana First Grade College (Autonomous)

Jayalakshmipuram, Mysuru – 570 012 Karnataka, INDIA

Affiliated to University of Mysore

Re-Accredited by NAAC with 'A' Grade, College with Potential for Excellence

ಕರ್ನಾಟಕ ಸರ್ಕಾರ,ಉನ್ನತಶಿಕ್ಷಣ ಇಲಾಖೆ (ವಿಶ್ವವಿದ್ಯಾನಿಲಯಗಳು) ಆದೇಶಸಂಖ್ಯೆ:ED166 UNE-2023

ಬೆಂಗಳೂರು ದಿನಾಂಕ:08.05.2024

ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಪತ್ರ ಸಂಖ್ಯೆ AC2(s)/07/2024-25.ದಿನಾಂಕ:23.05.2024ರ ಸುತ್ತೋಲೆ

ಸ್ನಾತಕ ಪದವಿ ಪ್ರೋಗ್ರಾಂಗಳ ಪಠ್ಯಕ್ರಮ ಸಿದ್ಧಪಡಿಸಲು Program Structure ಮಾದರಿ

Date:12.07.2024

L: Lecture

T: Tutorial

P: Practical

For BCA Program

1st Year Semester-I & II

Sl.No	Course DSC	Credits	L:T:P	Language 1 & 2	Credits	L:T:P	Constitutional Values	Credits	L:T:P	Total
1	DSC-1	3+2	3:0:2	English	3+3	4:0:0	EVS/COI	2	2:0:0	
2	DSC-2	3+2	3:0:2	Kannada						
3	DSC-3	3+2	3:0:2	Hindi						
				Sanskrit						
				Other						
				French						
	TOTAL	15			6			2		23

(Dr. B R Jayakumari)

PRINCIPAL

Smt. Bhagyalakshmamma Rattehalli Ramappa
Mahajana First Grade College (Autonomous)
Jayalakshmipuram MYSURU-570 012

Mahajana Education Society (R)

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NEP-2020

UG Regulations – 2021-22

Mahajana Education Society ®

SBRR Mahajana First Grade College (Autonomous)

Regulations GoverningtheChoice Based Credit System Semester Scheme with Multiple Entry and Exit Options in the Undergraduate and Post-graduate Degree Programs in the Faculties of Arts, Science, Commerce and Management *(Framed under Section 44 (1) (c) of the KSU Act 2000)*

Preamble:

Education plays a significant role in building a nation. There are quite a large number of educational institutions, engaged in imparting education in our country. However, our present education system is churning out youth who have to compete locally, regionally, nationally as well as globally. The 21st century has opened up many new challenges in the field of Higher Education. The present alarming situation necessitates transformation and/or redesigning of the system, not only by introducing innovations but developing a "learner-centric" approach. But the majority of our higher education institutions have been following the system which obstructs the flexibility for the students to study the subjects/courses of their choice and their mobility to different institutions. Thus, there is a need to allow flexibility in the education system, so that students depending upon their interests can choose inter-disciplinary, intra-disciplinary and skill-based courses. It should be holistic to train the student into a perfect human being and a useful member of society. The aim of higher education is to develop good, well-rounded and creative individuals. It has to enable an individual to study one or more specialized areas of interest at a deeper level, while at the same time building character, ethical and constitutional values, intellectual curiosity, spirit of service and capabilities across disciplines including sciences, social sciences, arts, humanities as well as professional, technical and vocational crafts. At the society level higher education must enable development of an enlightened, socially conscious, knowledgeable and skilled nation that can uplift its people, construct and implement solutions to its own problems. It is also to bridge the increasing gap between an undergraduate degree and employability.

The New Education Policy (2019) initiated and developed by the Ministry of Human Resource Development (HRD), Govt. of India, was approved by the Central cabinet on 29th July 2020. The National Education Policy (NEP) has brought several reforms in Indian education which includes broad based multidisciplinary Undergraduate Education with 21st Century skills while developing specialized knowledge with disciplinary rigor. It is to bring equity, efficiency and academic excellence in National Higher Education System. The important ones include innovation and improvement in course-curricula, introduction of paradigm shift in learning and teaching pedagogy, evaluation and education system.

The role of Universities and colleges in the 21st century extends far beyond traditional knowledge creation and dissemination to encompass new expectations for innovations that will have broader, social and economic benefits. To cater to the needs of students with diverse talents, aspirations and professional requirements, it is necessary to make qualitative changes in its undergraduate and postgraduate programs. In this backdrop, the National Education Policy has recommended a Multi-disciplinary Undergraduate Program with multiple exit and entry options with certificate/diploma/degrees at each of the exits. A nation-wide ecosystem of vibrant multi-disciplinary graded higher educational institutions (Universities and Colleges) are to be developed. In this context, a liberal approach has to be the basis of undergraduate education in all fields and disciplines at the UG/PG, including professional education. UG/PG curriculum needs to be focused on creativity and innovation, critical thinking and higher order thinking capacities, problem solving abilities, team work, communication skills, more in-depth learning and mastery of curricula across fields.

The University Grants Commission has asked all the universities in the country to implement the multi-disciplinary and holistic education across disciplines for a multi-disciplinary world, in all the Universities and Affiliated colleges. The Karnataka State Higher Education Council has also communicated general guidelines in this regard.

Further, the Karnataka State Higher Education Council has proposed a model curriculum framework and an implementation plan for the State of Karnataka. It is to suggest and facilitate the implementation of schemes and programs, which improve not only the level of academic excellence but also improve the academic and research environment in the state. The proposed curriculum framework endeavors to empower the students and help them in their pursuit for achieving overall excellence.

The proposed Four-year Multi-disciplinary Undergraduate program is a fundamental transformation of the current undergraduate education which replaces the conventional undergraduate programs of universities in the State. Outcome Based Education (OBE) practices are to be used to design the curriculum. It is proposed to develop Graduate Attributes at appropriate level which will act as common denominator for curriculum across universities.

Curriculum shall focus on critical thinking and problem solving. Conscious efforts to develop cognitive and non-cognitive problem-solving skills among the learners shall be part of the curriculum. Use of Bloom's Taxonomy in designing curriculum to move from lower order thinking skills to higher order thinking skills is a desired option. The programs designed shall empower graduates as expert problem solvers using their disciplinary knowledge and collaborating in multi-disciplinary teams.

Hence the **University of Mysore/SBRR Mahajana First Grade College** thought it fit to implement the multi-disciplinary and holistic education in all the under-graduate programs and the consequential post-graduate programs, with multiple entry and exit options with multiple certificate/diploma/degrees in the Faculties of Arts, Science, Commerce and Management to replace the present undergraduate degree programs effective from the academic year 2021-22. Hence these Regulations.

Students will have the option to exit after one year with a certificate, 2 years with award of the diploma and after 3 years with the award of the bachelor degree. Successful completion of the 4 years program will lead to award of the bachelor degree with honors in particular subjects. Continuation of the undergraduate program for the fourth year in colleges is optional, in subjects in which they are not offering postgraduate programs. But it is a preferred option. The graduates of these colleges can seek admission to the fourth year program in the respective postgraduate departments in the university or in the colleges wherever it is offered, as the present post-graduate programs in subjects will be restructured into one year Master's degree for honors degree holders and two years masters degree for the basic degree holders in the concerned subjects.

1. TITLE AND COMMENCEMENT

a) **These regulations shall be called "The Regulations Governing the Choice Based Credit System Semester Scheme with Multiple Entry and Exit Options in theUndergraduate, and Postgraduate Degree Programs in the Faculties of Arts, Science, Commerce and Management".**

b) **These regulations shall come into force from the Academic Year 2021-22.**

2. SALIENT FEATURES OF THE FOUR YEARS MULTIDISCIPLINARY UNDERGRADUATE PROGRAM WITH MULTIPLE ENTRY AND EXIT OPTIONS

a) The program shall be structured in a semester mode with multiple exit options with Certification, Diploma and Basic Bachelor Degree at the completion of first, second and third years, respectively. The candidate who completes the four years Undergraduate Program, either in one stretch or through multiple exits and re-entries would get a Bachelors degree with Honours.

b) The four year undergraduate Honors degree holders with research component and a suitable grade are eligible to enter the 'Doctoral (Ph.D.) Program' in the relevant discipline or to enter 'Two Semester Masters Degree program with project work'.

c) Candidates who wish to enter the masters/doctoral program in a discipline other than the major discipline studied at the undergraduate programs, have to take additional courses in the new discipline to meet the requirement or to make up the gap between the requirement and the courses already studied.

d) There may be parallel five year integrated masters degree programs with exit options at the completion of third and fourth years, with the undergraduate basic degree and post-graduate diploma in a discipline, respectively.

e) There may also be an integrated doctoral program with exit option at the end of the first year with the Masters degree.

f) The students who exit with Certification, Diploma and Basic Bachelor Degree shall be eligible to re-enter the program at the exit level to complete the program or to complete the next level.

g) The Multi-disciplinary Undergraduate Program may help in the improvement of all the educational outcomes, with a flexible and imaginative curricular approach. The program provides both breadth and depth in diverse areas of knowledge. A range of courses are offered with rigorous exposure to multiple disciplines and areas, while specializing in one or two areas. The program fulfills knowledge, vocational, professional and skill requirements along-side humanities and arts, social, physical and life sciences, mathematics, sports etc.

h) The curriculum combines conceptual knowledge with practical engagement and understanding that has relevant real world application through practical laboratory work, field work, internships, workshops and research projects.

i) A few courses are common to all students which contribute to the breadth of study and two areas of specialization in disciplinary areas provides depth of study.

j) The areas of specialization which the students are required to choose are either two disciplines/subjects or a discipline called 'major' (e.g. History or Economics or Physics or Mathematics) and an area of additional discipline called 'minor' (e.g. Music or Sports or Geography). Students gain deep disciplinary knowledge through theory and practical experiences in their area of specialization (major). They gain a reasonable understanding of the area of additional study (minor) that they choose. Students can choose subject combinations across 'streams' (e.g. a student can choose a

'major' in physics and combine it with a 'minor' in history or Music or Sports). One of the disciplines can also be a vocational subject or Teacher Education.

k) The students may study two disciplines at the same level or breadth up to the sixth semester and choose one of them for study in the fourth year to obtain the Honours degree in that discipline. A student who wishes to get dual honours degrees may repeat the fourth year of the program in the second discipline.

l) The students may choose one discipline and vocational subject or Teacher Education for their study in the undergraduate program. This will enable them to get an Honours degree either in the discipline or in the vocational subject/ Teacher Education or both, in the discipline and in the vocational subject/ Teacher Education.

m) Skills shall be explicitly integrated, highly visible, taught in context, and have explicit assessment. The skills shall include abilities in language and communication, working in diverse teams, critical thinking, problem solving, data analysis and life skills.

n) Students shall be given options to choose courses from a basket of courses which the institution is offering. There shall be no rigidity of combination of subjects.

The Four-Year Choice Based Credit System Semester Scheme makes the product of a University at par with the global practices in terms of academic standards and evaluation strategies. In the emerging scenario of Internationalization of Indian Higher Education, it is imperative that the Universities in India should follow this system so that the mobility of their products both within and across the geographical jurisdiction becomes possible.

The Salient Features of the Credit Based Semester Scheme:

Each course shall carry certain number of credits. Credits normally represent the weightage of a course and are a function of teaching, learning and evaluation strategies such as the number of contact hours, the course content, teaching methodology, learning expectations, maximum marks etc.In the proposed programs, generally one hour of instructions per week in a semester is assigned one credit**. In terms of evaluation, one credit is generally equivalent to 25 marks in a semester. Thus a 3 or 4 credits course will be assessed for 100 marks, 2 credits courses are assessed for 50 marks and one credit course will be assessed for 25 marks.** What matters for the calculation of Semester Grade Point Average (SGPA) or the Cumulative Grade Point Average (CGPA) is the percentage of marks secured in a course and the credits assigned to that course.

On this basis, generally, a three-year six-semester undergraduate program will have around 144 credits, and a four-year eight-semester honors degree program will have around 186 credits and a five-year ten-semester master's degree program will have 228 credits. The general features of the Credit Based Semester Scheme are :

a) The relative importance of subjects of study is quantified in terms of credits.
b) The subjects of study include core, elective, ability/skill enhancement courses.
c) The program permits horizontal mobility in course selections.
d) The students shall take part in co-curricular and extension activities.
e) The declaration of result is based on Semester Grade Point Average (SGPA) or Cumulative Grade Point Average (CGPA) earned.

Definitions of Key Words:

a. **Academic Year**: Two consecutive (one odd + one even) semesters constitute one Academic year.

b. **Choice Based Credit System (CBCS):** The CBCS provides choice for students toselect courses from the prescribed courses (core, open elective, discipline elective, ability and skill enhancement language, soft skill etc.).

c. **Course**: Usually referred to, as 'papers' is a component of a program. All coursesneed not carry the same weight. The courses should define learning objectives andlearning outcomes. A course may be designed to comprise lectures/ tutorials/laboratorywork/ field work/ project work/ vocational training/viva/ seminars/term papers /assignments / presentations/ self-study etc. or a combination of some of these.

d. **Credit Based Semester System (CBSS)**: Under the CBSS, the requirement for awarding a degree /diploma /certificate is prescribed in terms of number of credits to be earned.

e. **Credit**: A unit by which the course work is measured. It determines the number of hours of instructions required per week in a semester. **One credit is equivalent to one hour of lecture or tutorial or two hours of practical work/field work per week in a semester.** It will be generally equivalent to 13-15 hours of instructions.

f. **Grade Point**: It is a numerical weight allotted to each letter grade on a 10-point scale.

g. **Credit Point**: It is the product of grade point and number of credits for a course.

h. **Letter Grade:** It is an index of the performance of students in a said course. Grades are denoted by letters O, A+, A, B+, B, C, P and F.

i. **Program**: A program leading to award of a Degree, diploma or certificate.

j. **Semester**: Each semester will consist of over 16 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be generally scheduled from June to November and even semester from January to May. **As the case may be.**

k. **Semester Grade Point Average (SGPA)**: It is a measure of performance of work done in a semester. It is the ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.

l. **Cumulative Grade Point Average (CGPA)**: It is a measure of overall cumulative performance of a student over all the semesters of a program. The CGPA is the ratio of total credit points secured by a

student in various courses in all the semesters and sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.

m. **Transcript or Grade Card or Certificate:** Based on the grades earned, a Grade Certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured etc.).

3. PROGRAMS:

3.1 Faculty of Arts:

a) Bachelor of Arts, B.A., Bachelor of Arts with Honors, B.A.(Hons.), Integrated Master of Arts, M.A.(Integrated) and Master of Arts, M.A. in various Disciplines/ Subjects
b) Bachelor of Social Work, B.S.W, Bachelor of Social Work with Honors, B.S.W. (Hons.) and Master of Social Work, M.S.W.

3.2 Faculty of Science

a) Bachelor of Science, Bachelor of Science with honors and Master of Science in various Disciplines/Subjects.

b) Bachelor of Computer Applications, Bachelor of Computer Applicationswith Honors, and Master of Computer Applications (MCA).

3.3 Faculty of Commerce

i) Bachelor of Commerce, Bachelor of Commercewith Honors and Master of Commerce.

ii) Bachelor of Business Administration(BBA), Bachelor of Business Administration with Honors, BBA (Hons.) and Master of Business Administration(MBA).

iii) Bachelor of Business Administration (Hotel and Hospitality), Bachelor of Business Administration (Aviation and International Tourism)

4. DURATION OF PROGRAMS, CREDITS REQUIREMENTS AND OPTIONS

The undergraduate degree should be of either a three- or four-year duration, with multiple entry and exit options within this period, The four year multi-disciplinary Bachelor's program is the preferred option as it allows the opportunity to experience the full range of holistic and multi-disciplinary education with a focus on major and minor subjects as per the student's preference. The four-year program may also lead to a degree with Research, if the student completes a rigorous research project in the major area(s) of study.

Thus, the undergraduate programs shall extend over four academic years (Eight Semesters) with multiple entry and exit options. The students can exit after the completion of one academic year (Two semesters) with the Certificate in a discipline or a field; Diploma after the study of Two academic years (Four Semesters) and Regular Bachelor Degree after the completion of Three academic years (Six Semesters). The successful completion of Four Years undergraduate Program would lead to Bachelor Degrees with Honors in a discipline/subject.

Each semester shall consist of at least 16 weeks of study with a minimum of 90 working days (excluding the time spent for the conduct of final examination of each semester).

The credit requirements are as follows:

Exit with	Min. Credits Requirement*	NSQF Level
Certificate at the successful completion of First Year (Two Semesters) of Four Years Multi-disciplinary UG Degree Program	48	5
A Diploma at the successful completion of the Second Year (Four Semesters) of Four Years Multidisciplinary UG Degree Program	96	6
Basic Bachelor Degree at the successful completion of the Third Year (Six Semesters) of Four Years Multi-disciplinary Undergraduate Degree Program	144	7
Bachelor Degree with Honorsin a **Discipline** at the successful completion of the Four Years (Eight Semesters) Multidisciplinary Undergraduate Degree Program	186	8

***Details of credits are described later in this report**

The students shall be required to earn at least fifty percent of the credits **from the Higher Education Institution (HEI) awarding the degree or diploma or certificate: Provided further that, the student shall be required to earn the required number of credits in the core subject area necessary for the award of the degree or Diploma or Certificate, as specified by the degree awarding HEI, in which the student is enrolled.**

The progressive curriculum proposed shall position knowledge and skills required on the continuum of novice problem solvers (at entry level of the program) to expert problem solvers (by the time of graduation):

At the end of first year – Ability to solve well defined problems

At the end of second year – Ability to solve broadly defined problems

At the end of third year – Ability to solve complex problems that are ill-structured requiring multi-disciplinary skills to solve them

During fourth year- Experience of workplace problem solving in the form of

Internship or Research Experience preparing for

Higher Education or Entrepreneurship Experience

The Integrated Master's Degree Programs shall extend over Five academic years (Ten Semesters) with exit options with Regular Bachelor Degree after successful completion of Three academic years (Six Semesters) of study and Bachelor Degree with Honors in a discipline/ subject at the end of Four academic years (Eight Semesters). Completion of five years of integrated Master's Degree Program would lead to Masters degree in a subject.

Credit Requirements:

The candidates shall complete courses equivalent to a minimum of
144 credits to become eligible for the Regular Bachelor Degree
186 credits to become eligible for the Bachelor Degree with Honors
228 credits to become eligible for the Integrated Master's Degree.

Master's Degree Programs will be of One Academic Year (Two Semesters) for the Four Years Honors Degree holders and Master's Degree Programs will be of Two Academic Years (Four Semesters) for the three years basic or three years Honors Degree holders.

Two Years Master's Degree Programs will have exit option at the end of One Academic Year (Two Semesters) with the Post-graduate Diplomas in the respective disciplines/ subjects, provided they earn a minimum of 44 credits as follows:.

44 Credits after the Bachelor Degree to become eligible for the PG Diploma
88 Credits after the Bachelor Degree to become eligible for the Masters Degree

It is optional to the candidate to exit or not, after two, four and six semesters of the undergraduate program with Certificate, Diploma and with Regular Bachelor Degree, respectively. He/she will be eligible to rejoin the program at the exit level to complete either the diploma, degree or the honors degree. Further, all the candidates will be awarded Bachelor degrees on successful completion of three academic years (six semesters) of the undergraduate programs.

A student will be allowed to enter/re-enter only at the Odd Semester and can only exit after the Even Semester. Re-entry at various levels as lateral entrants in academic programs should be based on the earned credits and proficiency test records.

5. ACADEMIC BANK OF CREDITS (ABC)

The Academic Bank of Credits (ABC), a national-level facility will promote the flexibility of the curriculum framework and inter-disciplinary/multi-disciplinary academic mobility of students across the Higher Education Institutions (HEIs) in the country with appropriate "credit transfer" mechanism. It is a mechanism to facilitate the students to choose their own learning path to attain a Degree/ Diploma/Certificate, working on the principle of multiple entry and exit as well as anytime, anywhere, and any level of learning. ABC will enable the integration of multiple disciplines of higher learning leading to the desired learning outcomes including increased creativity, innovation, higher order thinking skills and critical analysis. ABC will provide significant autonomy to the students by providing an extensive choice of courses for a program of study, flexibility in curriculum, novel and engaging course options across a number of higher education disciplines/ institutions.

The multiple entry and exit options for students is facilitated at the undergraduate and Master's levels. It would facilitate credit accumulation through the facility created by the ABC scheme in the "Academic Bank Account" opened for students across the country to transfer and consolidate the credits earned by them by undergoing courses in any of the eligible HEIs. The ABC allows for credit redemption through the process of commuting the accrued credits in the Academic Bank Account maintained in the ABC for the purpose of fulfilling the credits requirements for the award of certificate/diploma/degree by the authorized HEIs. Upon collecting a certificate, diploma or degree, all the credits earned till then, in respect of that certificate, diploma or degree, shall stand debited and deleted from the account concerned. HEIs offering programs with the multiple entry and exit system need to register in the ABC to enable acceptance of multi-disciplinary courses, credit transfer and credit acceptance.

The validity of credits earned will be for a maximum period of seven years or as specified by the Academic Bank of Credits (ABC). The procedure for depositing credits earned, its shelf life, redemption of credits, would be as per UGC (Establishment and Operationalization of Academic Bank of Credits (ABC) scheme in Higher Education) Regulations, 2021.

Monitoring, Support and Quality assurance by Universities/College and ABC

(1) It shall be the responsibility of Registered Higher Education Institutions, to monitor the development and operationalization of the ABC program at the university level and at the level of their affiliated autonomous colleges.

(2) Registered Higher Education Institutions shall offer teacher or staff training, mentoring, academic and administrative audit and other measures for improving the quality of performance of the ABC facility and promotion of holistic/multi-disciplinary education with the support of ABC, which may be in the form of Faculty Development Programs or Quality Improvement Programs or Professional Development Programs or Technology Inculcation Programs.

(3) The Quality assurance of the implementation of ABC at the level of the registered university or autonomous college shall be developed by the University or autonomous college concerned either through the Internal Quality Assurance Cell (IQAC) or any other appropriate structured mechanism as may be decided by the Registered Higher Education Institution.

(4) Every Registered Higher Education Institution shall upload, annually, on its website, a report of its activities vis-a-vis the Academic Bank of Credits, as well as of measures taken by it for Quality assurance, Quality sustenance and Quality enhancement.

(5) There shall be an Academic Bank of Credits-Grievance Redressal Mechanism at the level of Central Government/University Grants Commission/Academic Bank of Credits, and at the level of every Higher Education Institution registered with Academic Bank of Credits to address the grievance/appeals of students.

Study Webs of Active Learning for Young Aspiring Minds (SWAYAM) is India's national Massive Open Online Course (MOOC) platform (www.swayam.gov.in), designed to achieve the three cardinal principles of India's Education Policy: access, equity, and quality. The University Grants Commission (Credit Framework for Online Learning Courses through SWAYAM) Regulations, 2021 have been notified in the Gazette of India, which now facilitates an institution to allow up to 40 percent of the total courses being offered in a particular program in a semester through the online learning courses offered through the SWAYAM platform. Universities with approval of the competent authority may adopt SWAYAM courses for the benefit of the students. A student will have the option to earn credit by completing quality-assured MOOC programs offered on the SWAYAM portal or any other online educational platform approved by the UGC/regulatory body from time to time.

6. ELIGIBILITY FOR ADMISSIONS:

6.1 B.A., (Basic degrees)

i) A candidate who has passed the two years Pre-University Examination conducted by the Karnataka Pre-University Education Board or any other examination considered as equivalent thereto shall be eligible for admission to these programs.

ii) Additional conditions of eligibility are required for specific combinations.

6.2B.Sc. (Basic and Hons. degrees) and M.Sc. Programs

A candidate who has passed the two years Pre-University Examination conducted by the Pre-University Education Board in Karnataka or any other examination considered as equivalent thereto shall be

eligible for admission to these programs. Generally a candidate to opt a subject should have studied that subject at the qualifying examination. Psychology, Home Science etc. There may be exceptions to this requirement. But additional conditions of eligibility are required for specific subjects as follows:

a) Candidate to opt Physics should have studied Mathematics in addition to Physics at the qualifying examination.

b) Candidate to opt Biochemistry should have studied that subject or Chemistry at the qualifying examination.

c) Candidate to opt Biotechnology, Microbiology should have studied that subject or Biology at the qualifying examination.

6.3 The B.C.A. Basic and Honors Degrees

A candidate who has passed the two years Pre-University Examination conducted by the Pre-University Education Board in Karnataka or JODC / Three years Diploma in Engineering of Government of Karnataka or any other examination considered as equivalent thereto shall be eligible for admission.

6.4 B.Com./ B.B.A./ (Basic and Hons. degrees)

A candidate who has passed two years Pre-University Examination conducted by the

Pre-University Education Board in the State of Karnataka or any other examination considered as equivalent thereto shall be eligible for admission to these programs.

6.5 BBA (Hotel & Hospitality) / BBA (Aviation & International Tourism) Degree Programs

A candidate who has passed two years Pre-University Examination conducted by the Pre-University Education Board in the State of Karnataka or any other examination considered as equivalent thereto shall be eligible for admission to these programs.

6.6 Eligibility For Admission to Post-graduate Programs:

a) **General**: Candidates who have passed the three year Bachelor's degree examination of the College or any other University considered as equivalent thereto, with the respective subject as optional / major / special / main subject, are eligible for admission to the two years Master's Degreeprograms provided they have secured a minimum of CGPA of 4.0 or 40% marks in the aggregate of all the subjects and CGPA of 5 or 50% marks (CGPA of 4.5 or 45% marks for SC/ST/Category I/Differently abled candidates) marks in the major/cognate subject.

b) Candidates who have passed the four year Bachelor's honors degree examination of the University or any other University considered as equivalent thereto, with the respective subject as optional / major

/ special / main subject, are eligible for admission to the one year Master's Degreeprograms provided they have secured a minimum CGPA of 5 or 50% marks (CGPA of 4.5 or 45% marks for SC/ST/Category I/Differently abled candidates) marks in the subject.

The specific requirements and relaxations admissible for specific Master's Degree Programs shall be as prescribed by the respective Boards of Studies, approved by the Academic Council and notified by the University.

7. MEDIUM OF INSTRUCTION

The medium of instruction and examination shall be English or Kannada.

8. SUBJECTS OF STUDY

The components of curriculum for Four years Multi-disciplinary Undergraduate Program: The Category of Courses and their descriptions are given in the following Table.

Sl. No.	**Category of Courses**	**Objective/Outcome**
1	Languages	Languages provide the medium of fresh and free thinking, expression and clarity in thought and speech. It forms as a foundation for learning other courses. Helps fluent communication. In addition to English, a candidate shall opt for any of the languages studied at the Pre-University or equivalent level.
2	Ability Enhancement Courses	Ability Enhancement Courses are the generic skill courses, which are basic and needed for all to pursue any career. These courses ensure progression across careers. They enable students to develop a deeper sense of commitment to oneself and to the society and nation largely.
3	Skill Enhancement / Development Courses / Vocational courses	Skill Enhancement Courses are to promote skills pertaining to a particular field of study. The purpose of these courses is to provide students life-skills in hands-on mode so as to increase their employability/self-employment. The objective is to integrate discipline related skills in a holistic manner with general education. These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge. The University can suggest its own courses under this category based on its expertise, specialization, requirements, scope and need.
	Foundation / Discipline based Introductory Courses	Foundation/Introductory courses bridge the gap for a student if he/she has not got a basic ground work in a specific area of discipline. These courses will supplement in better understanding of how to integrate knowledge to application into a society.

4	Major Discipline Core Courses	A Major Discipline is the field in which a student focuses during the course of his/her degree. A course in a discipline, which a candidate should compulsorily study as a core requirement is termed as a Core course. The core courses aim to cover the basics that a student is expected to imbibe in that particular discipline. They provide fundamental knowledge and expertise to produce competent, creative graduates with a strong scientific, technical and academic acumen. These courses are to be taught uniformly across all universities with minimum deviation. The purpose of fixing core courses is to ensure that all the institutions follow a minimum common curriculum so that each institution adheres to a common minimum standard,**which makes credit transfer and mobility of students easier.**
	Major Discipline Elective Courses	Elective Course is a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/subject of study or which provides an extended scope or enables an exposure to some other discipline/ subject/domain or which nurtures the candidate's proficiency/skill. Elective courses offered under the main discipline are referred to as Discipline Specific Electives. These courses provide more depth within the discipline itself or within a component of the discipline and provide advanced knowledge and expertise in an area of the discipline. The institutions have freedom to have their own courses based on their expertise, specialization, requirements, scope and need. The elective courses may be of inter-disciplinary nature.
	Minor Discipline Courses	A Minor Discipline is a secondary specialization that one may choose to pursue in addition to a Major Discipline. They may be related areas of studies or two distinct areas of studies which are not inter-related at all.
5	Open or Generic Elective Courses	Open or Generic Elective Courses are courses chosen from an **unrelated discipline**/ subject, with an intention to seek exposure beyond discipline/s of choice. The purpose of these is to offer the students the option to explore disciplines of interest beyond the choices they make in core and discipline specific elective courses. **Note:** A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Open or Generic Electives.
6	Project Work/ Dissertation/ Internship/ Entrepreneurship	Project work is a special course involving application of knowledge in solving / analyzing / exploring a real life situation / difficult problem/ data analysis.Project Work has the intention to provide research competencies at undergraduate level. It enables to acquire special/ advanced knowledge through support study/a project work. Candidates shall carry out project work on his/her own with an advisory support by a faculty member to produce a dissertation/ project report. Internship/ Entrepreneurship shall be an integral part of the Curriculum.
7	Co-curricular and Extension Activities	These activities help in character building, spiritual growth, physical growth, etc. They facilitate development of various domains of mind and personality such as intellectual, emotional, social, moral and aesthetic developments.

		Creativity, Enthusiasm, and Positive thinking are some of the facets of personality development and the outcomes of these activities.

8.1Ability Enhancement Courses:

Ability Enhancement (AE) Courses can be divided into two categories:

a) AE Compulsory Courses (AECC): The universities/college may have common curriculum for these papers. There may be one paper each at least in the first four semesters viz.

(i) Environmental Studies and

(ii) Constitution of India
In addition to these, two languages shall be studied in the first four semesters of the Undergraduate Programs.

b) Skill Enhancement Courses (SEC): The universities may offer from a common pool of papers listed by KSHEC/National Regulatory Bodies such as UGC or GEC/NHERC or the universities may frame some papers, in addition to the list suggested.

8.2 LANGUAGES: Any Two Languages

The candidates should study any Two languages from, Kannada/Hindi/Sanskrit/English (or other Foreign language) Tamil, Malayalam, French, Urdu, Arabic, Persian and any other language prescribed/ approved by the college.

(a) The candidates shall study two languages in the first four semesters of the programs. A candidate may opt for any language listed above even if the candidate has not studied that language at PUC or equivalent level.

(b) Challenged and study disabled students are exempted from studying one of the languages prescribed under para 8.2 above.

8.3a) Skill Enhancement Courses (Common for all Programs):

i) Any four skill enhancement/development courses are to be studied in the first six semesters, one per semester as prescribed by the concerned faculty and approved by the Academic Council. The courses may include the following:

Sem.	**B.A.**	**B.Sc./B.C.A.**	**B.Com./BBA/BBA(H & H)/BBA(Avi& Intl. T)**
I/II	Digital Fluency/ Financial Literacy/ Banking & Finance	Digital Fluency/Financial Literacy/Banking & Finance	Digital Fluency/ Creativity and Innovation

III/IV	Building Mathematical Ability/Artificial Intelligence / Financial Education & Investment Awareness	Artificial Intelligence/ Creativity and Innovation / Financial Education & Investment Awareness	Artificial Intelligence/Critical thinking &problem solving/ Financial Education & Investment Awareness
V	Critical thinking & Problem solving/ Entrepreneurship	Cyber Security/ Entrepreneurship	Cyber Security/ Entrepreneurship
VI	Societal Communication/ Creativity and Innovation	Professional Communication/ German / French	Professional Communication/ German / French/
VII/VIII	Science and Society/ Cultural Awareness	Critical thinking &problem solving/Cultural Awareness	Science and Society/Cultural Awareness

ii) One soft core course or allied subject each in the seventh and eighth semesters of the honors program and the integrated Masters degree program or in the first and second semesters of the post-graduate programs, and one open elective in the ninth semester of the integrated master's programs are to be studied as prescribed by the respective Board of studies and approved by the Academic council. The soft core courses may include research methodology course, one of the foreign languages such as German, French etc. or any other course prescribed by the university from time to time.

8.4 A. Core Subjects

A candidate may opt for any two core subjects for B.A/B.Sc. degree/honors degree programs. However, the candidate may opt for both the arts subjects for the B.A. degree/ honors degree programs and both science subjects for the B.Sc. degree/ honors degree programs. A candidate may also opt for one subject and one vocational subject for the B.A/ B.Sc. degree / honors degree programs. In the third year of the programs, candidates have to choose any one of the two core subjects as major or continue both the subjects as majors. The candidate shall study the major subject or one of the major subjects in the fourth year of the honors program. A candidate who is interested in doing honors program in a non-core language subject has to choose that language as major subject in the third year in lieu of one of the core subjects, provided that the candidate has studied that language in the first two years or four semesters of the program.

The core subjects that a candidate can choose under the Faculty of Arts and Science, include the following:

i. B.A. Degree / Honors Degree Program: Arts Subjects

English(opt), Economics, Geography, History, Journalism & Mass Communication, Psychology, Sociology, Criminology & Forensic Science and such other subjects permitted by the college from time to time.

ii. **B.Sc. Degree / Honors Degree Programs:Science Subjects**

Biochemistry, Biotechnology, Computer Science, Mathematics, Microbiology, Physics, and such other subjects permitted by the college from time to time.

iii. **M. Sc. DegreePrograms:Science Subjects**

Biochemistry, Biotechnology, Computer Science, Microbiology, Chemistry, Computer Science and such other subjects permitted by the college from time to time.

8.4 B. CORE SUBJECTS BASED PROGRAMS

In these programs, there is no need to choose core subjects as these are subject based.

i. B.C.A. Degree / Honors Degree Program in Computer Applications

ii. B.Com., Degree/ Honors Degree Program in Commerce

iii. B.B.A. Degree / Honors Degree Program

iv. BBA Degree/ Honors Degree Program in Hotel & Hospitality and Aviation & International Tourism

v. **Master DegreePrograms**

MCA, M.Com. MBA, MTTM, MSW and such other subjects permitted by the college from time to time.

8.5Vocational Subjects:

Advertising, Computer Applications, Electronic Equipment Maintenance, Entrepreneurship Development, Instrumentation, Office/Home Management and Secretarial Practice, Sales Promotion and Management, Tax Procedure and Practice, Tourism and Travel Management and any other subjects introduced from time to time.

8.6 Co-curricular and Extension Activities

A student shall opt for two of the following activities offered in the college, in each of the six semesters of the undergraduate programs. The activity carries a credit for each of the activities and will be internally assessed for 50 marks. 25 marks for each activity, total 50 marks in one semester.

a) Physical Education/ or Activities related to Yoga/Sports and Games

b) N.S.S./N.C.C/ Rangers and Rovers/Red Cross

c) Field study / Industry Implant Training

d) Involvement in campus publication or other publications

e) Publication of articles in newspapers, magazines

f) Community work such as promotion of values of National Integration,

Environment, Human Rights and Duties, Peace, Civic sense etc.

g) A small project work concerning the achievements of India in different fields

h) Evolution of study groups/seminar circles on Indian thoughts and ideas

i) Activity exploring different aspects of Indian civilizations

j) Involvement in popularization programs such as scientific temper

k) Innovative compositions and creations in music, performing and visual arts etc.

l) Any other activities such as cultural activities as prescribed by the University.

Evaluation of Co-curricular and Extension Activities shall be as per the procedure evolved by the university from time to time.

8.7 Choosing of Related Subjects in Science

a. A candidate shall not opt for more than one language under core subjects.

b. A candidate opting for Electronics/Physics/Statistics/Computer Science as a core subject may also opt for Mathematics as a core subject.
c. A candidate opting for Biotechnology as a core subject may also opt Chemistry/ Biochemistry and Microbiology as a core subject.
d. A candidate opting for Microbiology as a core subject may also opt for Chemistry / Biochemistry and Biotechnology as core subject,
e. A candidate opting for Biochemistry as a core subject may also opt for Biotechnology/ Microbiology as core subject.
f. A candidate opting for Environmental Science as a core subject may also opt for Chemistry / Biochemistry / Microbiology / Biotechnology as core and open elective subjects, respectively.

9. ATTENDANCE AND CHANGE OF SUBJECTS:

9.1 A candidate shall be considered to have satisfied the requirement of attendance for a semester if he/she attends **not less than 75%** of the number of classes actually held up to the end of the semester in **each of the subjects.** There shall be no minimum attendance requirement for the Co-curricular and extension activities.

9.2 An option to change a language/subject may be exercised only once within four weeks

from the date of commencement of the I/III Semester on payment of fee prescribed.

9.3 Whenever a change in a subject is permitted, the attendance in the changed subject shall be calculated by taking into consideration the attendance in the previous subject studied.

9.4 If a candidate represents his/her institution / University/ Karnataka State/ Nation in Sports /NCC / NSS / Cultural or any **officially sponsored** activities he/she may be permitted to claim attendance for actual number of days of the event and travel days, based on the recommendation of the Head of the Department/ Institution concerned. If a candidate is selected to participate in national level events such as Republic Day Parade etc., he/she may be permitted to claim attendance for actual number of days of the event and travel days, based on the recommendation of the head of the Department/ Institution concerned.

9.5 A candidate who does not satisfy the requirement of attendance in one or more courses/ subjects shall not be permitted to take the College examination of these courses/ subjects and the candidate shall seek **re-admission** to those courses/ subjects in a subsequent year.

10. COURSE PATTERNS AND SCHEMES OF EXAMINATIONS

The details of the Course Patterns (hours of instructions per week) and the Schemes of Examinations of the different degree programs are approved by **BoS of the College.** The syllabi of the courses shall be as prescribed by the college.

11. ASSESSMENT AND EVALUATION

Assessment is an integral part of the teaching learning process. A multi-disciplinary program requires a multi-dimensional assessment to measure the effectiveness of the diverse courses. The assessment process acts as an indicator to both faculty and students to improve continuously. The following are the guidelines for effective assessment of the program:

a) Student assessment should be as comprehensive as possible and provide meaningful and constructive feedback to faculty and student about the teaching-learning process.

b) Assessment tasks need to evaluate the capacity to analyze and synthesize new information and concepts rather than simply recall information previously presented.

c) The process of assessment should be carried on in a manner that encourages better student participation and rigorous study.

d) Assessment should be a combination of continuous formative evaluation and an end-point summative evaluation.

e) A range of tools and processes for assessment should be used (e.g. open book tests, portfolios, case study/assignments, seminars/presentations, field work, projects, dissertations, peer and self-assessment) in addition to the standard paper-pencil test. The teachers concerned shall conduct test / seminar / case study, etc. The students should be informed about the modalities well in advance. The evaluated courses / assignments shall be immediately provided to the students.

f) Paper-pencil tests should be designed rigorously using a range of tools and processes (e.g. constructed response, open ended items, multiple-choice with more than one correct answer). Faculty may provide options for a student to improve his / her performance in the continuous assessment mode.

g) Continuous/ Internal assessment marks shall be shown separately. A candidate who has failed or wants to improve the result, shall retain the IA marks, provided he/she fulfils the minimum eligibility requirements.

12. BLENDED MODE (BL) AS A NEW MODE OF TEACHING-LEARNING

UGC suggests implementing Blended Mode (BL) as a new mode of teaching-learning in higher education. BL is not a mere mix of online and face-to-face mode, but it refers to a well-planned combination of meaningful activities in both the modes. The blend demands consideration of several factors, mainly focusing on learning outcomes and the learner centered instructional environment.

Implementing BL requires a systematic, planned instructional process. An effective teaching learning process in a blended environment calls for understanding and skills of using appropriate pedagogies with suitable technologies. The UGC Concept Note provides guidelines for implementation of BL.

13. CONTINUOUS FORMATIVE EVALUATION/ INTERNAL ASSESSMENT:

Total marks for each course shall be based on continuous assessments and semester end examinations. As per the decision of the Karnataka State Higher Education Council, it is necessary to have uniform pattern of 60 : 40 for Semester End examinations and IA respectively, in all the Universities, their Affiliated and Autonomous Colleges.

Total Marks for each course = 100

Continuous assessment (C1) = 20 marks

Continuous assessment (C2) = 20 marks

Semester End Examination (C3) = 60 marks

Evaluation process of IA marks shall be as follows

a) The first component (C1) of assessment is for 20 marks. This shall be based on test. This assessment and score process should be completed after completing 50% of syllabus of the course/s and within 45 working days of semester program.

b) The second component (C2) of assessment is for 20 marks. This shall be based on assignment, seminar, case study, field work, internship / industrial practicum / project work etc. This assessment and score process should be based on completion of remaining 50 percent of syllabus of the courses of the semester.

c) During the 17^{th} – 19^{th} week of the semester, a semester end examination shall be conducted by the College for each course. This forms the third and final component of assessment (C3) and the maximum marks for the final component will be 60.

d) In case of a student who has failed to attend the C1 or C2 on a scheduled date, it shall be deemed that the student has dropped the test. However, in case of a student who could not take the test on scheduled date due to genuine reasons, such a candidate may appeal to the **Program Coordinator / Principal**. The HoD / Principal in consultation with the concerned teacher shall decide about the genuineness of the case and decide to conduct special test to such candidate on the date fixed by the concerned teacher but before commencement of the concerned semester end examinations.

e) For assignments, students should write assignment in blue books and submit to concerned department.

f) For Internal Tests, the college will provide answer sheets &graph sheets for C1 or C2.

g) In the case of study analysis, concerned department will take necessary steps.

h) The outline for continuous assessment activities for C1 and C2 shall be as under.

Outline for continuous assessment activities for C1 and C2

Activities	**C1/C2**
Session Test	C1 - 20 marks
Seminars/Presentations/Activity Case study /Assignment / Field work / Project work etc.	C2 – 20 marks
Total	40 marks

- For practical course of full credits, seminar shall not be compulsory. In its place, marks shall be awarded for Practical Record Maintenance.

- Conduct of seminar, case study / assignment, etc. can be either in C1 or in C2 component at the convenience of the concerned teacher/HoD.

- The concerned Convener shall conduct test. Students should be informed about the modalities well in advance. The evaluated test papers / assignments of component I (C1) and component II (C2) of assessment are immediately provided to the candidates after obtaining acknowledgement in the register by the concerned teachers(s) and maintained by the Department Head in the case of a College Post-Graduate Department and the Principal / Director in the case of affiliated institutions. Before commencement of the semester end examination, the evaluated test, assignment etc. of C1 and C2 shall be obtained and maintained till the announcement of the results of the examination of the concerned semester website.

i) The marks of the internal assessment shall be published on the notice board of the department / college for information of the students.

j) The Internal assessment marks shall be communicated to the Controller of Examinations at least 10 days before the commencement of the College examinations and the Controller of Examinations shall have access to the records of such periodical assessments.

k) There shall be no minimum in respect of internal assessment marks.

l) **Internal assessment marks may be recorded separately. A candidate, who has failed or rejected the result, shall retain the internal assessment marks**. Incaseastudentisnotsatisfiedwiththeassessment, thestudentcanmakeanappealtothe GrievanceCellwithin10days fromthedate ofannouncementoftheresults.Otherwise,itispresumedthatthestudenthasno objectiontothemarksawarded.

m) ThestudentcanappealtotheGrievanceCellbypaying theprescribedfeeasfixedby theCollege.TheGrievanceCellisempoweredtotakecorrectivemeasures.The concernedcourseteacherhastoprovidealltherelevantdocumentstotheGrievanceCell.Thedecisiontake nbytheGrievanceCellisfinal.

14.CONDUCT OF EXAMINATIONS:

A candidate shall register for all the courses/papers of a semester for which he/she fulfills the requirements, when he/she appears for examination of that semester for the first time.

(a) There shall be Theory and Practical examinations at the end of each semester, ordinarily during November-December for odd semesters and during May-June for even semesters, as prescribed in the Scheme of Examinations.

(b) Unless otherwise stated in the schemes of examination, practical examinations shall be conducted at the end of each semester. They shall be conducted by two examiners, one internal and one external (In special cases, exemption may be given by the Controller of Examinations). The Practical examination shall never be conducted only by internal examiners. The statement of marks sheet and the answer books of practical examinations shall be sent to the Controller of Examinations by the Chief Superintendent immediately after the practical examinations. In case, the practical examination extends till late in the evening, the marks lists shall be deposited with the Chief Superintendent of Examination and the same will be handed over to the Controller of Examinations on the following day. In case the following day happens to be Sunday/general holiday the answer scripts will be handed over to the Controller of Examinations on the immediate subsequent working day.

(c) The candidate shall submit the record book for practical examination duly certified by the course teacher and the HoD/staff in-charge. It shall be submitted during the practical examination.

(d) Examination will be conducted in 1,3,5 (odd –odd semester) and 2,4,6 (even-even semester) pattern only.

15. EXAMINATION AND EVALUATION FOR C3

15.1 Questionpapersetting

a) Eachdepartmentshallhave theBoardofExaminers, which willscrutinize andapprovethequestionpapersforallthecoursesofthatprogram.

b) One question paper should be set by the internal examiner and two question papers are to be set by the external examiners.

c) While preparing question paper only 10 to 15% (Maximum) repetition of previous question paper in that course is permitted. BoE is responsible for any deviation.

d) Question Paper must be prepared as per the syllabus and BoE should ensure that all the

units of the syllabi are covered while preparing the question paper.

e) For all examination related work the members should be selected from approved panel of Examiners only. However, under extraordinary circumstances, concerned Chairman can obtain the permission from Controller of Examinations with the approval of the Principal and appoint an examiner from outside the panel. This will be only to meet the exigencies.

15.2 Evaluation

a) **Before the evaluationtheanswerscriptsshallbecoded.**

b) **ThereshallbecentralizedandsingleevaluationoftheC3theoryanswerscripts.**

c) **C3componentofthePracticalswillbeconductedwithtwoexaminersofwhom,atleast,oneisanexternalexaminer.**

Anyexaminerontheapprovedpanelofexaminersofthecollegenotbelongingtotheparentcollege will beanexternalexaminer.

d) **Minimum experience for evaluation** : **5yrs teaching experience for theory and 3yrs for practical (In special cases permission may be obtained from the Controller of Examinations/Principal for inviting an examiner who has lesser experience than stated above).**

e) **UG:**

ProjectshallbeevaluatedaspertheschemerecommendedbytherelevantBoardofStudies.C1andC2componentsoftheprojectshall beevaluatedbytheprojectsupervisorfor30markseach.C3componentoftheprojectshallbeevaluatedjointlybytheprojectsupervisorandoneexternalexaminerfor40marks.

f) **Each evaluator must value 40 scripts per day (20 scripts in the morning session and 20 scripts in the afternoon session).**

g) **15% of the answer scripts to be reviewed by Chief/DC. Additionally, the scripts of the students scoring 90% and above should be compulsorily reviewed.**

h) **The Chief/DC should evaluate 30 scripts per day (20 scripts to be evaluated and 10 scripts to be reviewed). However, provision has been made to claim for 40 scripts by the reviewer as board average.**

15.3 Normally results of all examination will be announced within one monthofthe completion of the examination, unless the situation warrants extra time.

16. PHOTOCOPY, RE-TOTALING AND REVALUATION

16.1Astudentcanavailthefollowingservicesbypayingtheprescribedfeestothecollegewithin15daysfro mthedateofannouncementoftheresults:

- **Photocopyoftheanswerscript(C3)**
- **ViewingandRe-totaling**
- **Revaluation.**

16.2 TheRe-totaling facility shall be providedforcheckingwhetherallttheanswershavebeenvalued,andthetotalingiscorrect. **Incaseanyanswerorpartthereofhasnotbeenvalued,thatpartmaybereferredtoanotherval uer,andmarkssoawardedshallbeaddedtothetotal.**

In casethereisamistakein totalingorcarryoverofmarksfromtheinsidesheetstothefacingsheet,then the Controller of Examinationsshallhave it correctedwiththeapprovalofthePrincipal.

The Principal will have powers to fine the erring examiner. The fine amount will be decided by the Malpractice Committee.

16.3 TheresultofRe-totalingshallbeannouncedwithina weekfromthedateofapplyingforthesame.

16.4 Theresultoftherevaluationshallbeannouncedwithin twentydaysfromthelastdateofthereceiptoftheapplication.

16.5 Re-valuationshallbecarriedoutbyan external examinerwhohasnotvaluedthatparticularscript.

a) **If thedifferencebetweentheoriginalmarksandtherevaluationmarksdoesnotexceed15% ofthemaximummarksprescribedforthattheorypaper, thehigherofthetwowillbethefinalawardofmarks.**

b) **If thedifferencebetweentheoriginalmarksandtherevaluedmarksismorethan15%of themaximumprescribedforthattheorypaper, suchscriptsshallbevaluedbyanotherexternalexamineroutsidethecollege and marks awarded by the third valuer will be final.**

c) **Incaseoneor moreanswersare notvaluedbythe firstexaminer, thenthemarksawardedbythesubsequentexaminerasfarastheseanswersareconc ernedshall betakenastheyare,withoutaveragingwiththemarksof otheranswers.**

d) **Incasewherethereisadifferencebetweentheoriginalmarks,firstrevaluationmarksor/a ndthesecondrevaluationmarksclearlyindicatingthataparticularexaminerhasbeenerr aticinhis/hervaluation,thensuchcasesshallbereferredtothe*Malpractice*and*LapsesIn quiry Committee*toestablishwhetherornotany punitivemeasuresneedto betaken.**

e) **Ifthereisacomplaintofunfair valuationofanswerscriptsforagroupof students,thePrincipalmay, afterapreliminary inquiry, orderforrevaluation ofthepaper concerned.Aftersuchrevaluation, arandomsampleof10%**

oftheanswerscripts,subject toaminimumoften, shallbereferredforreview.

17. MINIMUM FOR A PASS:

(a) No candidate shall be declared to have passed the Semester Examination in each paper, unless he/she obtains **not less than 35%** marks in written examination / practical examination and **40%** marks in the aggregate of written / practical examination and internal assessment put together in each of the courses and **40%** marks (including IA) in Project work and viva wherever prescribed.

(b) A candidate shall be declared to have passed the program if he/she secures at least 40% of marks or a CGPA of 4.0 (Course Alpha-Sign Grade P) in the aggregate of both internal assessment and semester end examination marks put together in each unit such as theory papers / practical / field work / internship / project work / dissertation / viva-voce, provided the candidate has secured at least 40% of marks in the semester end examinations in each unit.

(c) The candidates who pass all the semester examinations in the first attempt are eligible **for ranks** provided they secure at least CGPA of 6.00 (Alpha-Sign Grade B^{+}).

(d) A candidate who passes the semester examinations in parts is eligible for only Class, CGPA and Alpha-Sign Grade **but not for ranking.**

(e) The results of the candidates who have passed the last semester examination but not passed the lower semester examinations shall be declared as NCL (Not Completed the Lower Semester Examinations). Such candidates shall be eligible for the degree, only after completion of all the lower semester examinations.

(f) If a candidate fails in a subject, either in theory or in practicals, he/she shall appear for that subject only at any subsequent regular examination, as prescribed for completing the program. He/she must obtain the minimum marks for a pass in that subject (theory and practicals, separately) as stated above.

(g) The students who have paid the semester's prescribed examination fee are allowed to continue their studies in next semester. However, they should pay the prescribed fee for the subsequent examinations.

18. CARRY OVER:

a) Candidates who fail in lower semester examinations may go to the higher semesters and take the lower semester examinations.
b) The students who have paid the semester's prescribed examination fee are allowed to continue their studies in next semester. However, they should pay the prescribed fee for the subsequent examinations.

19. CLASSIFICATION OF SUCCESSFUL CANDIDATES:

- The eight points grading system which is described below will be the basis for the declaration of results. The declaration of result is based on the Semester Grade Point Average (SGPA) earned at the end of each semester or the Cumulative Grade Point Average (CGPA) earned at the completion of all the eight semesters of the program and the corresponding overall alpha-sign grades. If some candidates exit at the completion of first, second or third year of the four years Undergraduate Programs, with Certificate, Diploma or the Basic Degree, respectively, then the results of successful candidates at the end of second, fourth or sixth semesters shall also be classified on the basis of the Cumulative Grade Point Average (CGPA) obtained in the second, fourth, sixth or eighth semesters, respectively for award of
    - Certificate in Arts / Science / Commerce
    - Diploma in Arts / Science / Commerce
    - Bachelor's Degree in Arts / Science / Commerce
    - Bachelor's Degree with Honours in a Discipline / Subject

In addition to the above, successful candidates at the end of tenth semester of the integrated Master's Degree Programs, shall also be classified on the basis of CGPA obtained in ten semesters of the Programs. Likewise, successful candidates of one year or two semesters Master's Degree Programs are also classified on the basis of CGPA of two semesters of the Master's Degree Programs.

Table II: Final Result / Grades Description

Semester GPA/ Program CGPA	**Alpha-Sign / Letter Grade**	**Semester/Program % of Marks**	**Result / Class Description**
10	O (Outstanding)	95 - 100	Outstanding
9.5	A+ (Excellent)	90 – 94	Excellent
9	A (Very Good)	85 – 89	Very Good
8.5	B+ (Good)	80 – 84	Good
8	B Distinction	75 – 79	Distinction
7.5	C ++ First Class	70 – 74	First Class
7	C + First Class	65 – 69	First Class
6.5	C First Class	60 – 64	First Class
6	D Second Class	50 – 59	Second Class
5	P Pass Class	40 – 49	Pass Class

The

Below 4	F(Fail)	Below 40	Fail/Reappear
0	Ab (Absent)	Absent	

Semester Grade Point Average (SGPA) in a Semester and the CGPA at the end of each year may be calculated as described in the regulation.

20.Rejection of Results

a) A candidate may reject result of the whole examination of any semester. Rejection of result course/paper wise or subject wise shall not be permitted.

b) The candidate who has rejected the result shall appear for the next immediate examination.

c) The rejection shall be exercised only once in each semester and the rejection once exercised shall not be revoked and that result of improvement exam is final. No appeal is entertained in this regard.

d) Application for rejection of results along with the payment of the prescribed fee shall be submitted to the Controller of Examinations of the college of study together with the original statement of marks within 30 days from the date of publication of the result.

e) A candidate who rejects the result is eligible for only SGPA/CGPA or Class and not for ranking.

21. IMPROVEMENT OF RESULTS

a) A candidate who has passed in all the papers of a semester may be permitted to improve the result by reappearing for the whole examination of that semester.

b) The reappearance may be permitted during the period N x 2 years (where N refers to duration of the program) without restricting it to the subsequent examination only.

c) The rejection shall be exercised only once in each semester and the rejection once exercised shall not be revoked and that result of improvement exam is final. No appeal is entertained in this regard.

d) A candidate who has appeared for improvement examination is eligible for class/CGPA only and not for ranking.

e) Internal assessment (IA) marks shall be shown separately. A candidate who wants to improve the result or who, having failed, takes the examination again or who has appeared for improvement shall retain the IA marks already obtained.

f) A candidate who fails in any of the semester examinations may be permitted to take the examinations subsequently as per the syllabus and scheme of examination in vogue at the time the candidate took the examination at the time of his/her admission to the program.

g) No Improvement Exams will be given for Absentees.

22. Transfer of Admission:

Transfer of admissions are permissible only for odd semesters for students of other universities and within the University.

23.1 Conditions for transfer of admission of students within the University.

a. His/her transfer admission shall be within the intake permitted to the college.
b. Availability of same combination of subjects studied in the previous college.
c. He/she shall fulfill the attendance requirements as per the College Regulation.
d. He/she shall complete the program as per the regulation governing the maximum duration of completing the program.

23.2 Conditions for transfer admission of students of other Universities.

a) A candidate migrating from any other University/College may be permitted to join odd semester of the degree program provided he/she has passed all the subjects of previous semesters /years as the case may be. Such candidates must satisfy all other conditions of eligibility stipulated in the regulations of the University/College.

b) His/Her transfer admission shall be within the intake permitted to the college.

c) He/she shall fulfill the attendance requirements as per the College Regulation.

d) The candidate who is migrating from other Universities is eligible for overall SGPA/CGPA or Class and not for ranking.

e) He/She shall complete the program as per the regulation governing the maximum duration of completing the program as per this regulation.

f) Eligibility Certificate should be taken from Concerned Authority.

24. Power to Remove Difficulties

If any difficulty arises in complying to the provisions of these regulations, the Principal may by order make such provisions not inconsistent with the Act, Statutes, Ordinances or other Regulations, as appears to be necessary or expedient to remove the difficulty. Every order made under this rule shall be subject to ratification by the Appropriate University Authorities.

25.Repeal and Savings

The existing Regulations governing three years Bachelor degree programs in the faculties of Arts, Science and Commerce shall stand repealed. However, the above Regulations shall continue to be in force for the students who have been admitted to the program before the enforcement of this regulation.

26SGPA and CGPA

26.1 Semester Grade Point Average (SGPA)

Credit Points for the paper (CP)= No. of Credits assigned XGrade Point secured for that course

SGPA indicates the performance of a student in a given Semester. SGPA is based on the total credit points earned by the student in all the courses and the total number of credits assigned to the courses/papers in a Semester.

Note**: SGPA is computed only if the candidate passes in all the courses (gets a minimum P grade in all the courses) of a semester.**

SGPA of a semester = Total Credit Points in the Semester

Total Credits in that Semester

26.2 Cumulative Grade Point Average (CGPA)

CGPA refers to the Cumulative Grade Point Average weighted across all the semesters. CGPA is obtained by dividing the total number of credit points (CP) in all the Semesters by the total number of credits in all the Semesters. The final result at the end of all the semesters is declared in the form of CGPA.

$$\text{CGPA} = \frac{\text{Total CP of I Semester + II Semester + III Semester + IV Semester +V Semester + VI Semester}}{}$$

26.3 Classification of results

The final grade point to be awarded to the student is based on CGPA secured by the candidate and is mentioned below :

Equivalent/Overall percentage = 10 x CGPA

26.4 Theoverallpercentageina courses is 10 x SGPA.

26.5 The overall percentage in a program is 10 x CGPA.

27.ClassDeclaration

ThefinalQualitativeIndextobeawardedtothestudentisbasedonCGPA. It isgivenas:

CGPA	Qualitative Index
5≤CGPA< 6	**Second Class**
6≤CGPA< 8	**First Class**

8≤CGPA≤ 10	**Distinction**

28 NodalOfficer, ProgramCo-ordinatorandStudentAdvisor

28.1 The Principal shall nominateaFacultyMemberasNEPNodal Officerwhowillactasa liaisonwiththeUniversityandfacilitate theimplementationoftheprogram.

28.2 HeadoftheDepartmentshallbetheProgramCo-ordinator,who shall beresponsiblefortheStudentAdvisor'sworkand studentsupportservices.

28.3 Everystudentwillhaveamemberoffacultyofthedepartmentas StudentAdvisor.Allteacher softhedepartmentshallfunctionasStudentAdvisorsandwillhavemoreorlessequalnumber ofstudents.TheStudentAdvisorwilladvisethestudentsinchoosingelectivecoursesandoffe rthemallpossibleassistance.

29. DISCIPLINE

29.1 Everystudentisrequiredtomaintain disciplineanddecorumbothinsideandoutsidethecampusinaccordancewiththeinstruction softhecollegeandalsoaspertheinstructionsissuedbytheUniversityof Mysore/Government ofKarnataka/UGCfromtimetotimeas per StudentConductRules.

29.2 Any act of indiscipline of a student is first to be considered by the Disciplinary committee of the college for necessary action. If the issue demands more serious consideration, the act of indiscipline will be reported to the Principal who will initiate appropriate action.

29.3 Principal may suspend a student pending inquiry depending upon the prima facie evidence.

29.4 The suspended student may appeal to the Principal whose decision will be final and binding.

30. SchemeoftheProgram

30.1 Theminimumdurationforcompletionofa UGProgramissix or eightsemesters.However,the maximum period to complete UG program isdoubletheduration of the program.

31. GrievanceCell

ForeveryUGprogramtherewill beoneGrievanceCell.Thecompositionofthiscellisasfollows:

- **Principal(orhis/herrepresentative).**
- **HeadoftheDepartments.**
- **OneseniorfacultymemberfromeachDepartment.**

32. Others

Anyissuenotspecifically mentionedin theseregulationsshallbedecidedbythePrincipalinconsultationwiththeappropriateauthorities.

Any matter which is not covered under this regulation shall be resolved as per the regulationsof University of Mysore.

ProgramOutcomes:BCADegree

1. **Domainknowledge:**Gainingadequateknowledgeonbasicprinciplesandapplications.
2. **ProblemAnalysis:**Improvedreasoningwithstrongmathematicalabilitytoldentify,formulateandanalyze problemsandexhibitingknowledgeondatastructuresandalgorithms.
3. **Design and Development of Solutions:** Ability to design and development ofalgorithmic solutions to real world problems and acquiring a minimum knowledgeon statistics and optimization problems. Establishing excellent skills in applyinganddesignstrategiesforsolvingcomplexproblems.
4. **Investigation:**AcquiringsufficientknowledgeinComputerscienceandApplicationandable tothinkindependently.
5. **Modern Tool Usage:** Identify, select and use a modern scientific and IT tool ortechnique for modeling, prediction, data analysis and solving problems in the areaofComputer Scienceandequippingwithmoderntools.
6. **ComputerandSociety:**Abilitytoanalyzeimpactsofcomputingonindividuals,organizationsandsociety.
7. **Environmentandsustainability**:Understandtheimpactoftheprofessionalsolutionsinsocietalandenviron mentalcontexts,exhibittheknowledgeofandneedforsustainabledevelopment.
8. **MoralandEthicalvalues:**Exhibitingprofessionalethicstomaintaintheintegralityinaworking environmentandalsohaveconcernonsocietalimpacts.
9. **Individualand Teamwork**: Individualcontributiontoachieveacommongoal.
10. **Communication:**Communicateeffectivelyusingtechnicalterms,abletocomprehend,writeeffectiverepo rts,designdocumentation,makeeffectivepresentations,give andreceiveclearinstructions.
11. **ProjectManagementandFinance:**Practicingandmanagingofexistingprojects,independentandlauncho wnprojects.
12. **LifelongLearning:**Continuousindependent learner.

I SEMESTER										
Course	Course Code	Title	Hours /Week		Credits	Maximum Marks			Exam Duration(Hours)	Total Marks
						IA		Exam		
			L	T/ P	L: T:P	C1	C2	C3		
DSC (1)	245129 T	Digital Computer Organization	3	0	3:0:2 (5 credits)	10	10	80	3	150
DSC (1) LAB	245129 P	Office Automation and HTML	0	4		05	05	40	3	
DSC (2)	245130 T	Problem Solving using C++	3	0	3:0:2 (5 credits)	10	10	80	3	150
DSC(2) LAB	245130 P	Problem Solving using C++	0	4		05	05	40	3	
DSC(3)	245131T	Mathematical and Statistical Computing	3	0	3:0:2 (5 credits)	10	10	80	3	150
DSC(3) LAB	245131P	Mathematical and Statistical Computing using R Programming	0	4		05	05	40	3	
II SEMESTER										
DSC (4)	245229 T	Data Structures	3	0	3:0:2 (5 credits)	10	10	80	3	150
DSC (4) LAB	245229 P	Data Structures using C++	0	4		05	05	40	3	
DSC (5)	245230 T	Object oriented Programming with Java	3	0	3:0:2	10	10	80	3	

DSC(5) LAB	**245230 P**	**Object oriented Programming using Java**	**0**	**4**	**(5 credits)**	**05**	**05**	**40**	**3**	**150**
DSC(6)	**245231 T**	**Operating Systems**	**3**	**0**	**3:0:2**	**10**	**10**	**80**	**3**	**150**
DSC(6) LAB	**245231 P**	**Operating Systems Using Shell Programming**	**0**	**4**	**(5 credits)**	**05**	**05**	**40**	**3**	

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ISEMESTER										
Course	**CourseCode**	**Title**	**Hours /Week**		**Credits**	**Maximum Marks**			**ExamDuration(Hours)**	**Total Marks**
						IA		**Exam**		
			L	**T/P**	**L: T:P**	**C1**	**C2**	**C3**		
DSC (1)	**215129**	**FundamentalsofComputers**	**3**	**0**	**3:0:2**	**20**	**20**	**60**	**2½**	**150**
DSC (1) LAB		**InformationTechnologyLab**	**0**	**4**		**10**	**15**	**25**	**3**	
DSC (2)	**215130**	**ProgramminginC**	**3**	**0**	**3:0:2**	**20**	**20**	**60**	**2½**	**150**
DSC(2) LAB		**CProgramming Lab**	**0**	**4**		**10**	**15**	**25**	**3**	

DSC(3)	215131	Mathematical Foundation/Accountancy	3	0	3:0:0	20	20	60	2½	100
IISEMESTER										
DSC (4) DSC (4) LAB	215229	DataStructuresusingC	3	0	3:0:2	20	20	60	2½	150
		DataStructuresLab	0	4		10	15	25	3	
DSC (5) DSC (5) LAB	215230	Object Oriented Concepts using JAVA	3	0	3:0:2	20	20	60	2½	150
		JAVALab	0	4		10	15	25	3	
DSC(6)	215231	Discrete MathematicalStructures	3	0	3:0:0	20	20	60	2½	100

IIISEMESTER										
Course	Course Code	Title	Hours /Week		Credits	Maximum Marks			ExamDuration(Hours)	Total Marks
						IA		Exam		
			L	T/P	L: T:P	C1	C2	C3		
DSC (7) DSC (7) LAB	225329	DatabaseManagementSystem	3	0	3:0:2	20	20	60	2½	150
		Database Management SystemLab	0	4		10	15	25	3	

DSC (8) DSC(8) LAB	225330	C# and .netTechnologies	3	0	3:0:2	20	20	60	2½	150
		C# and .netTechnologiesLab	0	4		10	15	25	3	
DSC(9)	225331	ComputerNetworks	3	0	3:0:0	20	20	60	2½	100
IVSEMESTER										
DSC (10) DSC(10) LAB	225429	PythonProgramming	3	0	3:0:2	20	20	60	2½	150
		Python ProgrammingLab	0	4		10	15	25	3	
DSC (11) DSC (11) LAB	225430	Multimedia Animation	3	0	3:0:2	20	20	60	2½	150
		MultimediaAnimationLab	0	4		10	15	25	3	
DSC(12)	225431	Operating SystemConcepts	3	0	3:0:0	20	20	60	2½	100

V SEMESTER										
Course	CourseCode	Title	Hours /Week		Credits	Maximum Marks			ExamDuration(Hours)	TotalMarks
						IA		Exam		
			L	T/P	L: T:P	C1	C2	C3		
DSC (13) DSC (13)	235529	Design and Analysis of Algorithm	4	0	4:0:2	20	20	60	2½	150
		Design and Analysis of Algorithm lab	0	4		10	15	25	3	

LAB										
DSC (14) DSC(14)LAB	235530	Statistical Computing and R Programming	4	0	4:0:2	20	20	60	2½	150
		R Programming lab	0	4		10	15	25	3	
DSC(15)	235531	Software Engineering	4	0	4:0:0	20	20	60	2½	100
DSE(1)	23DSEBCA01 23DSEBCA02	A. Cloud Computing B. BusinessIntelligence (any one to be opted)	3	0	3:0:0	20	20	60	2½	100
VOC(1)	23VOCBCA01	Digital Marketing	3	0	3:0:0	20	20	60	2½	100
VISEMESTER										
DSC (16) DSC (16) LAB	235629	Artificial Intelligence and Applications	4	0	4:0:2	20	20	60	2½	150
		Artificial Intelligence and Applications Lab	0	4		10	15	25	3	
DSC (17) DSC(17) LAB	235630	PHP and MySQL	4	0	4:0:2	20	20	60	2½	150
		PHP and MySQL Lab	0	4		10	15	25	3	
PRO	23PROBCA01	Project	0	8	0:0:4	20	20	60	2½	100
DSE(2)	23DSEBCA03 23DSEBCA04	A. Fundamentals of Data Science B. Mobile Application Development (any one to be opted)	3	0	3:0:0	20	20	60	2½	100
VOC(2)	23VOCBCA02	Web Content Management System	3	0	3:0:0	20	20	60	2½	100

SBRR Mahajana First Grade College (Autonomous),

Jayalakshmipuram, Mysuru-570016

Bachelors of Computer Application

Programme Structure &Syllabus (SEP&NEP)

DSC(1) : Digital Computer Organization

Course Code: 245129T	**Course Title:** DSC(1) : Digital Computer Organization
Course Credits: 03 (3:0:0)	**Hours of Teaching/Week:** 03 (Theory)
Total Contact Hours: 48 Hours (Theory)	**Formative Assessment Marks:** 20 (Theory)
Exam Duration:3 Hours (Theory)	**Semester End Examination Marks:** 80 (Theory)

Course Outcomes(COs):

CO1: Analyze the digital computer system including classification of computers, anatomy of computer and Illustrate the types of Software, Computer languages and Translator programs.

CO2: Apply Boolean algebra to simplify logical expressions and describe the Number System.

CO3: Elaborate the working principles of fundamental logic gates and solve problems using Karnaugh maps and other minimization techniques.

CO4: Design and analyses combinational and sequential logic circuits such as Adders, Flip-Flops, Encoders, Decoders, Multiplexers, Counters and Shift Registers.

Course Content

Content	Hours
Unit-1	

Fundamentals of Computers: Introduction to Computers - Computer Definition, Characteristics of Computers, Evolution and History of Computer, Types Of Computer, Basic Organization of A Digital Computer. **Input / Output Organization:** Peripheral Devices, Input – Output Interface. **Memory Organization:** Computers Memory System Overview- Characteristics and Types of Memory System. **Types of Software**: System Software, Application Software and Utility Software **Computer Languages:** Machine Level, Assembly Level & High-Level Languages **Language Translators:** Assembler, Interpreter and Compiler	12
Unit-2	
Number Systems: Introduction, Decimal, Binary, Octal and Hexadecimal. Inter-Conversions, Addition, Subtraction, Multiplication and Division in Binary Number System. 1's and 2's Complement Method in Binary Number System. Addition and Subtraction Using 1's and 2's Compliment, Weighted Number System, Binary Coded Decimal (BCD), Addition of BCD Numbers. NonWeighted Number System, Applications, Excess-3, Gray Code Conversions, Gray and Binary Codes.	12
Unit-3	
Boolean Algebra: Basic Laws, DE Morgan's Theorem, Duality Theorem, Sum of Product Method and Products of Sum Method. Karnaugh Map (Upto 4 Variables), **Fundamentals of Gates:** Basic Gates, Derived Gates and Universal Gates (Design).	12
Unit-4	
Combinational and Sequential Logic Circuits: Half Adder, Full Adder, Half Subtractor and Full-Subtractor. **Flip-Flops**: Introduction to Embedded Systems.SR, JK, Master-Slave JK, T FlipFlops, Decoders - 3 To 8 Lines, Encoders Octal to Binary. **Multiplexer:** 4 To 1 Line, Counters-3 Bits Binary Ripple Counter, 3 Shift Registers- Serial-In-Parallel-Outs, Parallel-In-Serial-Out.	12

Course Articulation Matrix 245129T

	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO6**	**PO 7**	**PO 8**	**PO 9**	**PO1 0**	**PO1 1**	**PO1 2**
CO1	2	2	2	1	2	1	1	1	2	1	1	2
CO2	2	2	3	-	2	1	1	-	2	1	-	1
CO3	2	2	2	1	-	-	1	-	1	1	1	-

CO4	1	2	2	1	1	-	-	-	1	1	-	1
W.A	1.7	2	2.25	1	1.6	1	1	1	1.5	1	1	1.3

DSC(1) –Lab: Office Automation and HTML

Course Code: 245129P	**Course Title:** **DSC(1) –Lab:** Office Automation and HTML
Course Credits: 02 (0:0:2)	**Hours of Teaching/Week:** 04 (Practical)
Total Contact Hours: 64 Hours (Practical)	**Formative Assessment Marks:** 10 (Practical)
Exam Duration: 3 Hours (Practical)	**Semester End Examination Marks:** 40 (Practical)

Course Outcomes (COs):

CO1: Proficient in using Excel to analyze data and create reports, including charts and graphs to represent the data and also to create a new presentations using Power point.

CO2: Creating web pages by using HTML tags and to develop a static Web Page

Course Articulation Matrix 245129P

	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO6**	**PO 7**	**PO 8**	**PO 9**	**PO1 0**	**PO1 1**	**PO1 2**
CO1	1	2	2	-	1	1	-	-	1	1	1	1
CO2	2	2	2	1	1	-	-	-	1	1	1	1
W.A	1.5	2	2	1	1	1	-	-	1	1	1	1

DSC(2) : Problem solving using c++

Course Code: 245130 T	**Course Title:** DSC(2) : Problem Solving using C++
Course Code: 245130 P	**Course Title**: DSC(2) –Lab :Problem Solving using C++
Course Credits: 05 (3:0:2)	**Hours of Teaching/Week:** 03 (Theory) + 04 (Practical)
Total Contact Hours: 48 Hours (Theory) 64 Hours (Practical)	**Formative Assessment Marks:** 20 (Theory) 10 (Practical)
Exam Duration:3 Hours (Theory) 3 Hours (Practical)	**Semester End Examination Marks:** 80 (Theory) 40 (Practical)

Course Outcomes(COs):

CO1:Compare and Contrast the fundamental concepts of Object-Oriented Programming and Procedure-Oriented Programming paradigms.

CO2:Describe and implement Control Structures and Modular Programming methods.

CO3:Presenting different Data types and Managing Console I/O Operations.

CO4: Implementing the concepts of Polymorphism, Inheritance and File Handling

Course Content

Content	Hours
Unit-1	
Introduction to Programming: Program development life cycle, Introduction to Procedure Oriented Programming and Object-Oriented Programming (OOP) paradigms, basic concepts of OOP, benefits and applications of OOP. **Introduction to C++:** Overview of C++, Structure of C++ Program, InputOutput statements, Keywords, Identifiers, Constants, Variables, Data types, Operators, Types of operators, Expressions, Precedence of Operators, Type Conversion.	12
Unit-2	
Control statements: Selection and Iteration Statements. **Modular Programming:** Functions and Its Types, Recursion, Functions with Default Arguments, Inline Functions, Function Overloading, Reference Variable, Math Library Functions, Storage classes.	12
Unit-3	

Derived Data Types: Arrays, Array Types, Strings, String Manipulation Functions, Introduction to Structures and Union, Pointers, Pointer Arithmetic. **User Defined Data Type:** Class Definition, Instance Variables, Member Methods, Accessing Members, Access specifiers, this pointer, Friend Function, Constructors, Types of Constructors, Destructor. **Polymorphism:**Operator Overloading, Rules for Operator Overloading, Overloading Unary and Binary Operators.	12
Unit-4	
Inheritance: Inheritance, Types of Inheritance, Virtual Functions and Abstract Classes **Managing Console, I/O Operations:** C++ Stream, C++ Stream Classes, Unformatted I/O Operations, Formatted Console I/O Operations, Managing Output with Manipulators. **File Handling:** Introduction To Files and File Handling, File Opening Modes, Classes For File Stream Operations, File I/O Operations (Opening, Reading, Writing, Append And Closing).	12

Course Articulation Matrix 245130 T

	PO 1	PO 2	PO 3	PO 4	PO 5	PO6	PO 7	PO 8	PO 9	PO10	PO11	PO12
CO1	2	1	1	-	1	-	-	-	-	1	1	2
CO2	2	1	2	1	1	-	-	-	1	1	1	1
CO3	1	1	2	1	-	-	-	-	1	1	1	2
CO4	2	2	1	1	1	-	-	-	1	1	1	1
W.A	1.75	1.25	1.5	1	1	-	-	-	1	1	1	1.5

DSC(3) : Mathematical and Statistical Computing

Course Code: 245131 T	**Course Title:** DSC(3) :Mathematical and Statistical Computing
Course Code: 245131 P	**Course Title:** DSC(3) –Lab: Mathematical and Statistical Computing using R Programming
Course Credits: 05 (3:0:2)	**Hours of Teaching/Week:** 03 (Theory) + 04 (Practical)
Total Contact Hours: 48 Hours (Theory) 64 Hours (Practical)	**Formative Assessment Marks:** 20 (Theory) 10 (Practical)
Exam Duration: 3 Hours (Theory) 3 Hours (Practical)	**Semester End Examination Marks:** 80 (Theory) 40 (Practical)

Course Outcomes(COs):

CO1:Testing Logical Statements with Truth Tables and discussing the principles of Set Theory.

CO2:Articulate Cartesian products, Relations and Functions.

CO3:Describe Statistical methods and Interpret data using those methods

CO4: Estimating Standard Deviation, Correlation and Simple Linear Regression methods and executing.

Course Content

Content	Hours
Unit-1	
Mathematical Logic Introduction: Statements Connectives - Negation, Conjunction, Disjunction- Statement Formulas and Truth Tables- Conditional and Bi Conditional Statements- Tautology, Contradiction. **Set Theory:** Sets and Subsets, Set Operations and The Laws of Set Theory, Counting and Venn Diagrams.	12
Unit-2	
Relations: Introduction,Cartesian Products and Relations , Properties of Relations. **Computer Recognition**: Relation Matrices and Directed Graphs, Equivalence Relations and Partitions. **Functions**: One-to-One, Onto Functions, Function Composition and Inverse Functions.	12
Unit 3	
: Statistical methods: Introduction, Definitions, Classifications, Frequency Distribution, Mean - Arithmetic Mean for Grouped and Ungrouped Data. **Median**: Meaning, Calculations of Median for Ungrouped. **Mode:** Meaning, Calculations of Mode for Discrete Series and Continuous Series.	12
Unit 4	
Standard Deviation: Meaning, Standard Deviation for Actual Mean Method, Assumed Mean Method and Step Deviation Method Using Discrete Series and Continuous Series. **Coefficient of Variation:** Meaning and Problems. **Correlation:** Meaning, Types, Rank Correlations and Problems. **Simple Linear Regression**: Meaning, Properties of Regression Coefficients	12

Course Articulation Matrix 245131 T

	PO 1	PO 2	PO 3	PO 4	PO 5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12
CO1	1	1	2	1	1	-	-	-	1	2	1	1
CO2	1	2	1	1	1	-	-	-	1	2	2	1
CO3	1	2	2	1	1	-	1	-	-	1	1	1
CO4	1	2	2	-	2	-	-	-	2	1	2	2
W.A	1	1.75	1.75	1	1.25	-	1	-	1.3	1.5	1.5	1.25

DSC(4) : Data Structures

Course Code: 245229 T	**Course Title:** DSC(4) : Data Structures
Course Code: 245229 P	**Course Title:** DSC(4) –Lab: Data Structures using C++
Course Credits: 05 (3:0:2)	**Hours of Teaching/Week:** 03 (Theory) + 04 (Practical)
Total Contact Hours: Hours (Theory) Hours (Practical)	**Formative Assessment Marks:** (Theory) (Practical)
Exam Duration:3 Hours (Theory) Hours (Practical)	**Semester End Examination Marks:** (Theory) (Practical)

Course Outcomes(COs):

CO1: Comprehensively understanding the Data Structures.

CO2:Implementing Linear data structure for various applications.

CO3:Implement the concept of Non-Linear Data Structures like Graphs.

CO4: Implement the concept of Tree and its applications.

Course Content

Content	Hours
Unit-1	
Introduction: Data Structure Definition, Basic Terminology and Concepts, Importance of Data Structures in Programming. Classification of Data Structures. Primitive Data Structures, Non-Primitive Data Structures, Applications. **Stack:** Definition, Memory Representation, Algorithms for Stack Operations (Push, Pop), Applications of Stack: Expression Conversion.	12
Unit 2	

Queue: Definition, Memory Representation, Linear Queue: Insertion, Deletion, Traversing, Circular Queue, Enqueue, De-queue. Applications of Queue. **Linked Lists**: Definition, Types. **Singly Linked List:** Implementation, Insertion [At the Beginning], Deletion [At the End]. **Doubly Linked List:** Memory Representation of Singly Linked List and Doubly Linked Lists. Applications of Linked List.	12
Unit 3	
Sorting Techniques: Bubble Sort, Selection Sort, Insertion Sort Algorithm. **Searching Techniques:** Linear and Binary Search Sort Algorithm. **Heap:** Heap Operations and Applications. **Graph:**Definition,Memory Representation of Graph.AdjacencyMatrix,Adjacency List.GraphTraversalAlgorithms:Breadth-First Search(BFS),Depth-First Search (DFS).	12
Unit 4	
Tree: Definition, Memory Representation Using Array and Linked List. **Binary Tree:** Definition, Traversal Algorithms [Pre-Order, In-Order, Post-Order], Construction of Tree from In-Order and Pre-Order, In-Order and Post-Order. **Binary Search Trees:** Insertion of a Node, Deletion of A Node. **Advanced Tree Structures AVL and B-Trees:** Definition and Applications.	12

Course Articulation Matrix 245229T and 245229P

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	1	1	-	1	-	-	-	1	1	1	1
CO2	2	2	2	1	1	-	-	-	2	1	1	1
CO3	2	2	2	2	1	1	-	-	2	1	1	2
CO4	2	2	1	2	1	-	-	-	1	1	1	2
W.A	1.75	1.75	1.5	1.6	1	1	-	-	1.5	1	1	1.5

DSC(5) : Object oriented programming with Java

Course Code: 245230T	**Course Title:** DSC(5) : Object oriented Programming with Java
Course Code: 245230P	**Course Title:** DSC(5) –Lab: Object oriented Programming using Java
Course Credits: 05 (3:0:2)	**Hours of Teaching/Week:** 03 (Theory) + 04 (Practical)
Total Contact Hours: 48 Hours (Theory) 64 Hours (Practical)	**Formative Assessment Marks:** 20 (Theory) 10 (Practical)
Exam Duration: 3 Hours (Theory) 3 Hours (Practical)	**Semester End Examination Marks:** 80 (Theory) 40 (Practical)

Course Outcomes(COs):

CO1:Summarizing the fundamentals of Object-Oriented Programming and Java.

CO2:Describe the basic Java Object Oriented Programming concepts.

CO3:DeliberateMulti threading and Exception Handling.

CO4:Implement File Handling and Event Handling in GUI.

Course Content

Content	Hours
UNIT 1: Fundamentals of Object-oriented Programming: Object-oriented Paradigm, Basic Principles of Object-oriented Programming, Advantages of Object-Oriented Programming, Applications of Object-Oriented Programming. **Introduction to Java Language:** Java History, Features, Overview, Difference between C, C+ + and Java, Java Environment- JDK, JVM, JRE and API, Java Program Structure, Java Tokens, Implementing a Java Program, Command Line Arguments. **Java Programming Fundamentals:** Data types, Variables & Constants, Keywords & Naming Conventions, Type Casting, Operators and Expressions, Control Structures, Iteration and Jumping Statements.	12

UNIT 2: Classes & Objects Basics of Objects and Classes, Constructors, this keyword, Access Modifiers, Method Overloading, Overloading Constructors, Static members, Inheritance, Types of Inheritance, Abstract class and Methods. Final Keyword, Multiple Inheritance through Interfaces, Introduction and classification of Packages. Creating and using a Package. **Arrays**: One dimensional Arrays, Two dimensional Arrays, Array of Objects. **Strings**: Introduction to String, String Handling functions.	**12**
UNIT 3: Exception Handling Concepts of Exception, Different Types of Exceptions, Creating User-Defined Exceptions Using Try-Catch-Finally-Throw Blocks, Nested Try, Catch, Throw, and Throws Blocks. **Multithreading in Java** Concepts of Thread, Thread Life Cycle, Creating Threads & Implementing Runnable Interface, Thread Synchronization & Thread Priority.	**12**
UNIT 4: File Handling I/O Handling, I/O Streams, Types of Files, Byte Stream, Binary I/O Classes & Its Hierarchy, FileInputStream&FileOutputStream Classes, Object I/O Classes. **Event Handling & GUI programming** Event Handling, Event Types, Event Handling Mechanism, Keyboard & Mouse Handling, Applets and Introduction to AWT & GUI basics, AWT hierarchy of classes, AWT controls – Frames, Panels, Layout managers & other controls of AWT	**12**

Course Articulation Matrix 245231T and 245231P

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	1	1	1	2	-	1	-	1	1	1	1
CO2	1	2	2	1	2	1	-	1	1	2	2	2
CO3	2	2	2	1	-	1	1	-	2	2	1	2
CO4	1	1	2	-	1	-	-	1	2	1	2	2
W. A	1.5	1.5	1.75	1	1.6	1	1	1	1.5	1.5	1.5	1.75

DSC(6):

Operating Systems

Course Code: 245231T	**Course Title:** DSC(6) : Operating Systems
Course Code: 245231P	Course Title: DSC(6) –Lab: Operating Systems using shell programming
Course Credits: 05 (3:0:2)	**Hours of Teaching/Week:** 03 (Theory) + 04 (Practical)
Total Contact Hours: 48 Hours (Theory) 64 Hours (Practical)	**Formative Assessment Marks:** 20 (Theory) 10 (Practical)
Exam Duration: 3 Hours (Theory) 3 Hours (Practical)	**Semester End Examination Marks:** 80 (Theory) 40 (Practical)

Course Outcomes(COs):

CO1:Interpreting the fundamentals of the operating system and CPU Scheduling.
CO2:Describe the concepts Process Synchronization and Deadlock.
CO3:Illustrate the Memory management file system and structure.
CO4:Implement Shell Programming with Conditional Control Structures.

Course Content

Content	Hours
UNIT 1:Introduction: History andDefinition, Computer System Components and System Goals, Computer System Architecture, Batch Systems, Multi Programmed Systems, Time-Sharing Systems, Real-Time Systems, System Components, Structure of Operating System, Operating System Services. **Process**: Process Concept, Process State Diagram Process Control Block, Process Scheduling- Scheduling Queues, Scheduler, Cooperating Process, Inter process Communication, Introduction to Multithread and Models. **CPU Scheduling**: Basic Concepts, Pre-emptive and Non-Pre-emptive Scheduling, Scheduling Criteria, Scheduling Algorithms-FCFS, Shortest Job First Priority Scheduling, Round Robin Scheduling.	12

UNIT 2:Process Synchronization: The Critical Section Problem, Solution for Critical Section Problem, Bakery Algorithm, Semaphores-Meaning, Types of Semaphores, Synchronization Problems- Bounded Buffer Problem, Readers-Writers Problem. **Deadlocks:** Deadlock Characterization, Methods for Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance, Deadlock Detection, Recovery from Deadlock	12
UNIT 3:Memory Management: Introduction, Logical Versus Physical Address Space, Dynamic Loading, Dynamic Linking, Swapping, Contiguous Allocation, Partitioned Memory Allocation, Paging, Virtual Memory ManagementSegmentation, Segmentation with Paging. **File System:** File Concepts, File Attributes, File Operations, File Types, File Structure, Access Methods, Directory structure, File-System Structure, Allocation Methods- Contiguous Allocation, Linked Allocation and Indexed Allocation, Free Space Management Analytics), Tracking and measuring key performance indicators (KPIs), Conversion tracking and optimization, Reporting and data visualization	12
UNIT 4:Introduction to Unix System: The Unix Operating System, The UNIX architecture. **Shell Programming:** History of Linux, VI editor, shell types, shell command line processing, shell script features, executing a shell script, system and user-defined variables, expr command, shell screen interface, read and echo statement, command substitution, escape sequence characters, shell script arguments, positional parameters, test command, file test, string test, numeric test. **Conditional Control Structures:** if statement, case statement Looping Control Structure-while, until, for, statements. Jumping Control Structures – break, continu exit. Shell Programs covering the above concepts.	12

Course Articulation Matrix-245231T and 245231P

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	P0 11	PO 12
CO1	1	1	1	1	-	1	-	1	-	-	1	1
CO2	1	2	1	1	1	-	1	-	1	2	1	2
CO3	1	1	1	2	2	1	1	-	1	2	1	2
CO4	2	1	2	2	2	1	-	1	-	2	2	1
W.A	1.25	1.25	1.25	1.5	1.6	1	1	1	1	2	1.25	1.5

Fundamentals Of Computers

Course Code: 215129	**Course Title: Fundamentals Of ComputersInformation Technology Lab**
Course Credits: 05	**Hours of Teaching/Week:** 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	**Formative Assessment Marks:** 40 Theory 25 Practical
Exam Duration: 2 1/2 Hours 3 Hours	**Semester End Exam Marks:** 60 (Theory) 25 (Lab)

CourseOutcomes(COs):

CO1: Imbibe the basics of computers, programming languages and performing tasks on office automationtools.

CO2:Analyzeandapplytheknowledgeof computerhardwareandoperatingsystem.

CO3: Formulate the practical and conceptual applicability of DBMS concepts andopinionsabout impactof internet onsocietywhilebeing ethical.

CourseContent

Content	Hours

Unit-1	
Fundamentals of Computers: Introduction to Computers - Computer Definition,CharacteristicsofComputers,EvolutionandHistoryofComputers,TypesofComputers, Basic Organization of a Digital Computer; Number Systems – differenttypes, conversion from one number system to another; Computer Codes – BCD,Gray Code, ASCII and Unicode; Boolean Algebra – Boolean Operators with TruthTables;TypesofSoftware–SystemSoftwareandUtilitySoftware;ComputerLanguages - Machine Level, Assembly Level & High Level Languages, TranslatorPrograms – Assembler, Interpreter and Compiler; Planning a Computer Program -Algorithm,Flowchartand PseudocodewithExamples. Characteristicsofcomputers,ClassificationofDigitalComputerSystems:Microcomputers, Minicomputers, Mainframes,Supercomputers.	14

Unit-2	
Anatomy of Computer: Introduction, Functions & Components of a Computer,Central Processing Unit, Microprocessor, Storage units, Input and output Devices.HowCPUandmemoryworks.Programexecutionwithillustrativeexamples.Introductionto microcontrollers. **Operating System Fundamentals**: Operating Systems: Introduction, Functions ofanoperatingSystem,ClassificationofOperatingSystems,Systemprograms,Application programs, Utilities, The Unix Operating System, Basic Unix commands,MicrokernelBasedOperatingSystem,Booting.	14
Unit-3	
IntroductiontoDatabaseManagementSystems: Database,DBMS,WhyDatabase-FilesystemvsDBMS,Databaseapplications,Databaseusers,Introduction to SQL, Data types, Classification of SQL-DDL with constraints, DML,DCL,TCL **Internet Basics:** Introduction, Features of Internet, Internet application, Servicesof Internet, Logical and physical addresses, Internet Service Providers, DomainNameSystem. **WebBasics:**Introductiontoweb,webbrowsers,http/https,URL,HTML5,CSS	14

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	3	2	2	2	1	1	2	3	-	3
CO2	2	1	2	1	1	-	1	-	2	1	-	1

CO3	2	1	-	1	1	2	1	1	-	-	1	3
W.A	2.33	1.33	2.5	1.33	1.33	2	1	1	2	2	1	2.33

ProgramminginC

Course Code: 215130	**Course Title: Programming in C** **C Programming Lab**
Course Credits: 05	**Hours of Teaching/Week:** 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	**Formative Assessment Marks:** 40 Theory 25 Practical
Exam Duration: 2 1/2 Hours 3 Hours	**Semester End Exam Marks:** 60 (Theory) 25 (Lab)

CourseOutcomes:

CO1: Acquire Knowledge on basis of C Programming, Input output statementsOperatorsand Expressionsand Design solutionusing same.

CO2:DesignandImplementsolutionusingControlstructures,Arrayand Strings.

CO3:DevelopsolutionforComputationaltaskusingPointer,Functions,StructureandUnion.

CourseContent

Content	Hours
Unit-1	

IntroductiontoCProgramming: OverviewofC;HistoryandFeaturesofC;Structureof aCProgramwithExamples; CreatingandExecutingaCProgram;Compilationprocess inC. **C Programming Basic Concepts:** C Character Set; C tokens - keywords, identifiers,constants,andvariables;Datatypes;Declaration&initializationofvariables;Sym bolicconstants. **Input and output with C:** Formatted I/O functions - *printf*and *scanf,* control stingsand escape sequences, output specifications with *printf*functions; Unformatted I/Ofunctions to read and display single character and a string - *getchar, putchar, gets*and *puts*functions. **C Operators & Expressions:** Arithmetic operators; Relational operators; Logicaloperators;Assignmentoperators;Increment&Decrementoperators;Bitwiseoperat ors;Conditionaloperator;Specialoperators;OperatorPrecedenceandAssociatively;Evalua tionofarithmeticexpressions;Type conversion.	14
Unit-2	
Control Structures: Decision making Statements - S*imple if, if_else*, *nested if_else,else_if ladder, Switch Case*, *goto, break* &*continue* statements; Looping Statements -Entry controlled and exit controlled statements,*while, do-while, for* loops, Nestedloops. **Arrays:**OneDimensionalarrays-Declaration,InitializationandMemoryrepresentation; Two Dimensional arrays - Declaration, Initialization and Memoryrepresentation. **Strings:**Declaring&Initializingstringvariables;Stringhandlingfunctions-*strlen,strcmp,strcpyandstrcat;*Characterhandlingfunctions-*toascii,toupper,tolower,isalpha, isnumeric*etc.	14
Unit-3	
PointersinC: Understandingpointers-Declaringandinitializingpointers,accessingaddressandvalueofvariablesusingpointer s;PointersandArrays;PointerArithmetic;Advantagesanddisadvantages ofusingpointers; **User Defined Functions:** Need for user defined functions; Format of C user definedfunctions; Components of user defined functions- return type, name, parameterlist, function body, return statement and function call; Categories of user definedfunctions-Withandwithoutparametersandreturntype. **Userdefineddatatypes:**Structures-StructureDefinition,AdvantagesofStructure,declaringstructurevariables,accessingst ructuremembers, Structuremembers initialization, comparing structure variables, Array of Structures; Unions -Uniondefinition;differencebetween Structuresand Unions.	14

CourseArticulationMatrix-215130

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	P011	PO12
CO 1	3	2	3	1	2	1	2	2	2	-	-	-
CO 2	2	2	3	1	3	2	3	-	2	-	1	1
CO 3	2	2	2	2	2	1	-	1	1	2	1	-
W. A	2.33	2	2.66	1.33	2.33	1.33	2.5	1.5	1.66	2	1	1

MathematicalFoundation

Course Code: 215131	**Course Title: Mathematical Foundation**
Course Credits: 03	**Hours of Teaching/Week:** 03
Total Contact Hours: 42 Hours	**Formative Assessment Marks:** 40
Exam Duration: 2 ½ Hours	**Exam Marks:** 60

CourseOutcomes:

CO1: Develops basic concepts of Mathematical Reasoning, Analyze and convert statements toexpressions and vice versa, solve problems related to connectives, predicates and quantifiers,applylaws oflogic.

CO2: Basics of Set theory and Matrices, implement operations on Sets, Matrices and Cramer'sRules,problem solving using Venn diagrams.

CO3: Calculate rank of a Matrix, Eigenvalues, Implement Cayley HamiltonTheorem. Acquireknowledgeof derivativesand various applicationsof differentiation

Content	Hours
Unit-1	
Mathematicallogic:Introduction-statementsConnectives-negation,conjunction,disjunction-statementformulasandtruthtables-conditionalandbiConditionalstatements-tautologycontradiction.Converse,Inverse,Contra-positive,equivalenceofformulas-dualitylaw-Predicatesand	14

Quantifiers,Arguments.	
Unit-2	
Basic concepts of set theory: Sets, powerset-Venndiagram,Cartesianproduct.**Operationsonsets**–Union, Intersection,Disjoint,DifferenceandComplement.Set Identities. **Matrixalgebra:**Introduction-Typesofmatrices-matrixoperations-Arithmetic Operations, transpose of a matrix ,determinant of matrix,inverseofamatrix-Cramer'srule	14
Unit-3	
Matrix: Findingrankofamatrix-normalform-echelonformcayleyHamiltontheorem-Eigenvalues **Differential calculus:** Functions and limits - Simple Differentiation ofAlgebraic Functions –Evaluation of First and Second Order Derivatives –MaximaandMinima	14

CourseArticulationMatrix-215131

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	2	-	-	-	-	-	-	-	-	1
CO2	2	2	2	-	-	-	-	-	-	-	-	1
CO3	2	2	2	-	-	-	-	-	-	-	-	1
WA	**2**	**2.3**	**2**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**

Accountancy

Course Code: 215132	**Course Title: Accountancy**
Course Credits: 03	**Hours of Teaching/Week:** 03
Total Contact Hours: 42 Hours	**Formative Assessment Marks:** 40
Exam Duration: 2 1/2 Hours	**Semester End Exam Marks:** 60

CourseOutcomes(COs):

CO1:AcquireConceptualKnowledgeofBasicsofAccounting

.CO2:RecordingofFinancialTransactionsandpreparationofr

eports.

CO3: Equip with the knowledge of Accounting process and preparation of financialAccounts

.

Content	Hours
Unit-1	
Introduction: History and Development of Accounting, Meaning, Objectives andfunctions of Accounting, Book keeping V/s Accounting, Users of accounting data,systems of book keeping and accounting, branches of accounting,advantagesandlimitations ofaccounting **AccountingConceptsandConvention:**Meaning,needandclassification, accountingstandardsmeaning,needandclassificationofIndianaccountingstandards.Accounting principlesV/saccountingstandard	14
Unit-2	
Financial AccountingProcess:Classificationof accounting transactions andaccounts, rules of debit and credit as per Double Entry System. JournalizationandLedger posting. **Preparation of Different Subsidiary Books:** Purchase Day book Sales DayBook,PurchaseReturns DayBook,SalesReturnsDayBook,CashBook. **BankReconciliationStatement**:Meaning,CausesofDifference,Advantages,PreparationofBankReconciliationStatements.	14

Unit - 3	
Account Procedure: Honor of the Bill, Dishonor of the Bill, Endorsement, Discounting, Renewal, Bill for collection, Retirement of the Bill, Accommodation Bills, Bill Receivable Book and Payable Book. Preparation of Trial Balance: Rectification of errors and Journal Proper **Preparation of Final Accounts:** Meaning, need and classification, Preparation of Manufacturing, Trading, Profit and loss account and Balance – Sheet of sale- traders and partnership firms	14

CourseArticulationMatrix-215132

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	-	1	1	1	-	-	-	1	1	1
CO2	2	1	1	1	1	1	-	-	1	1	1	1
CO3	2	1	1	1	1	1	1	1	-	1	-	1
W.A	**2**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**

Semester:II

DiscreteMathematicalStructures

Course Code: 215229	**Course Title: Discrete Mathematical Structures**
Course Credits: 03	**Hours of Teaching/Week:** 03
Total Contact Hours: 42 Hours	**Formative Assessment Marks:** 40
Exam Duration: 2 1/2 Hours	**Semester End Exam Marks:** 60

CourseOutcomes:

CO1: DevelopsbasicconceptsofMathematicalReasoning,Sequences,PermutationsandCombinations. Functions. Analyze andconvert statements to expressions and vice versa, solveproblems related to connectives, predicates and quantifiers. Apply Rules of inference, acquire proofandits strategies.Implement the Pigeon hole Principle.

CO2: AcquirebasicsofMathematicalInduction,Generatingfunctions.ApplyconceptsofRecurrence relations, Linear recurrence, Divide and conquer, recursivealgorithms.

CO3: Gains knowledge on basics of Relations, representation and its operations. Basics of Graphtheory,its terminologies, Calculatesshortest path,Eulerpath, Hamiltonianpath.

CourseContent

Contents	**Hours**
Unit-1	

TheFoundations:Logicandproofs: QuantifiersandNestedQuantifiers,RulesofInference , Introduction toProofs,ProofMethodsandStrategy. **Basic Structures**: Sets - Functions, Sequences, and Sums: Functions, types offunctions,compositionoffunctions. SequencesandSummations. **Counting**:Basics of counting, Pigeonhole principle, Permutation andCombination,BinomialCoefficientandCombination,GeneratingPermutationandCombination**.**	14
Unit-2	
AdvancedCountingTechniques:ApplicationsofRecurrenceRelations,SolvingLinearRecurrence,Relations,DivideandConquerAlgorithmsandRecurrence Relations, Generating functions, Inclusion-Exclusion, Applications ofInclusion-exclusion. **InductionandRecursion**:MathematicalInduction,StrongInduction andWell- Ordering, Recursive Definitions and Structural Induction, Recursive Algorithms,ProgramCorrections.	14
Unit-3	
Relation: Properties of relation, Composition of relation, Closer operation onrelation, Equivalence relation and partition. Operation on relation, Representingrelation. **Graphs**:GraphsandGraphmodels,GraphTerminologyandSpecialTypesof Graphs, Representing Graphs and Graph Isomorphism, Connectivity, Euler andHamiltonPaths,Shortest-PathProblems,PlanarGraphs,GraphColoring.	14

CourseArticulation Matrix -215232

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	3	2	1	-	-	1	-	-	-	-	1
CO2	2	2	2	1	-	-	1	-	-	-	-	1
CO3	3	2	2	1	-	-	1	-	-	-	-	1
WA	**2.3**	**2.3**	**2**	**1**	-	-	**1**	-	-	-	-	**1**

Course Code: 215230	**Course Title: Data Structures using C** **Data Structure Lab**
Course Credits: 05	**Hours of Teaching/Week:** 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	**Formative Assessment Marks:** 40 Theory 25 Practical
Exam Duration: 2 1/2 Hours 3 Hours	**Semester End Exam Marks:** 60 (Theory) 25 (Lab)

CourseOutcomes(CO's):

CO1: Acquire knowledge on different data structures along with their operations. Implement dynamicmemory allocation, Recursion and Arrays with illustrations. Design algorithms for specific problemsbased onperformance.

CO2: Implement different searching and sorting techniques effectively. Design and implement stacksandqueues.

CO3:Analyzeandimplement linkedlistsand binarytreesin realworldscenarios.

Content	Hours
Unit-1	
Introduction to data structures: Definition; Types of data structures - Primitive &Non-primitive,Linearand Non-linear;Operationsondatastructures. Dynamicmemoryallocation:Static&Dynamicmemoryallocation;Memoryallocationandde-allocationfunctions-*malloc*,*calloc*,*realloc*and*free.* AlgorithmSpecification,PerformanceAnalysis,PerformanceMeasurement Recursion: Definition; Types of recursions; Recursion Technique Examples - GCD,Binomialcoefficient$^{n}C_{r}$,TowersofHanoi;Comparisonbetweeniterativeandrecursivefunctions. **Arrays:**BasicConcepts–Definition,Declaration,Initialisation,Operationsonarrays; Types of arrays; Arrays as abstract data types (ADT);Representation ofLinearArraysin memory.	14
Unit-2	

Traversing linear arrays; Inserting and deleting elements; Sorting – Selection sort,Bubble ort, Quick sort, Selection sort, Insertion sort; Searching - Sequential earch,Binarysearch;IterativeandRecursivesearching;Multidimensionalarrays;Representati nofmultidimensionalarrays;Sparsematrices. **Stacks**: Basic Concepts – Definition and Representation of stacks; Operations onstacks; Applications of stacks; Infix, postfix and prefix notations; Conversion frominfix to postfix using stack; Evaluation of postfix expression using stack; Applicationofstackin function calls. **Queues**:BasicConcepts–DefinitionandRepresentationofqueues;Typesofqueues - Simple queues, Circular queues, Double ended queues, Priority queues; OperationsonSimple queues.	14
Unit-3	
Linked list: Basic Concepts – Definition and Representation of linked list, Types oflinked lists - Singly linked list, Doubly liked list, Header liked list, Circular linked list;RepresentationofLinked list inMemory OperationsonSinglylinkedlists– Traversing,Searching,Insertion,Deletion;Memoryallocation;Garbagecollection **Trees:** Definition; Tree terminologies –node, root node, parent node, ancestors of anode, siblings, terminal & non-terminal nodes, degree of a node, level, edge, path,depth; **Binary tree:** Type of binary trees - strict binary tree, complete binary tree, binarysearch tree and heap tree; Array representation of binary tree. Traversal of binarytree;preorder, inorderandpostorder traversal	14

COURSEARTICULATIONMATRIX-215229

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	P011	PO12
CO1	2	2	3	2	2	1	1	1	2	1	2	3
CO2	2	2	3	1	2	1	1	1	2	1	2	3
CO3	2	2	3	1	2	2	1	1	3	1	3	3
W.A	2	2	3	1.33	2	1.33	1	1	2.33	1	2.33	3

Object Oriented Concepts using JAVA

Course Code: 215231	**Course Title: Java Programming and Lab**
Course Credits: 05	**Hours of Teaching/Week:** 03 Theory + 4 Lab
Total Contact Hours: 42 Theory 56 Lab	**Formative Assessment Marks:** 40 Theory 25 Practical
Exam Duration: 2 1/2 Hours 3 Hours	**Semester End Exam Marks:** 60 (Theory) 25 (Lab)

CourseOutcomes:

CO1: Acquire Knowledge on basis of introduction of java, objects and classes and design solution usingdatatypesand loops in java.

CO2:DesignandImplementsolutionusing inheritance,polymorphismandmultithreadingconcepts.

CO3:Develop anddesign thesolution onevent handling,GUIprogrammingand inputoutput programming

CourseContent

Content	Hours
Unit-1	
IntroductiontoJava: BasicsofJavaprogramming,Datatypes,Variables,Operators,Controlstructuresincludingselection,Looping,Javamethods,Overloading,Math class, Arraysinjava. **ObjectsandClasses:**Basicsofobjectsandclassesinjava,Constructors,Finalizer, Visibility modifiers, Methods and objects, Inbuilt classes like String,Character,String Buffer,Filebasicsandthisreference.	14
Unit-2	
InheritanceandPolymorphism: Inheritanceinjava,Superandsubclass,Overriding,Objectclass,Polymorphism,Dynamicbinding,Genericprogramming, Casting objects, Instance of operator, Abstract class, Interface injava,Packagein javaand UTILpackage. **Multithreadingin java:** Thread life cycle and methods, Runnable interface,Thread synchronization, Exception handling with try catch-finally, Collections injava,Introduction toJavaBeans andNetworkProgramming.	14

Unit-3	
EventandGUIprogramming: Eventhandlinginjava,Eventtypes,Mouseand key events, GUI Basics, Panels, Frames, Layout Managers: Flow Layout, BorderLayout, Grid Layout, GUI components like Buttons, Check Boxes, Radio Buttons,Labels,TextFields,TextAreas,ComboBoxes,Lists,ScrollBars,Sliders,Windows, Menus, Dialog Box, Applet and its life cycle, Introduction to swing,Exceptionalhandlingmechanism. **I/Oprogramming:**TextandBinaryI/O,BinaryI/Oclasses,ObjectI/O,RandomAccess Files.	14

COURSEARTICULATIONMATRIX-215231

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	P011	PO12
CO1	2	2	3	1	2	2	1	2	3	1	2	1
CO2	2	2	2	1	2	1	1	1	3	1	2	2
CO3	2	2	3	1	2	1	1	1	2	1	1	1
W.A	2	2	2.66	1	2	1.33	1	1.33	2.66	1	1.66	1.66

DatabaseManagementSystems

CourseCode:215329	**CourseTitle:**DatabaseManagementSystems DatabaseManagementSystemsLab
CourseCredits:05(3:0:2)	**HoursofTeaching/Week:**03Theory+4 Lab
TotalContactHours:42Theory56Lab	**FormativeAssessmentMarks:**40Theory 25Practical
ExamDuration:2Hours 3Hours	**SemesterEndExamMarks:** 60(Theory) 25(Lab)

CourseOutcomes(COs):

CO1:Summarizetheconceptsof databaseobjectsenforceintegrityconstraintsonadatabasemake use ofERdiagramandtypesofrelationshipsandrolesofstructuralconstraintsdegreeandcardinalityratio.

CO2:StructuredQueryLanguage(SQL)fordatabasemanipulationDesignsimpledatabasesystemsfo r someapplication to interact with databases and solve queries on relation algebra.

CO3:Implementnormalizationalgorithmsusingdatabasedesigntheoryfordifferent applicationsanalyzeandimplementtransactionprocessing,concurrencycontrolanddatabase recoveryprotocolsindatabases.

Course Content

Unit	Description	Hours
1	**DatabaseArchitecture:**Introduction toDatabasesystem applications.Characteristics and Purpose of database approach. People associated withDatabase system. Data models. Database schema. Database architecture.Data independence. Database languages, interfaces, and classification ofDBMS. **E-R Model:** Entity-Relationship modeling: E – R Model Concepts: Entity,Entity types, Entity sets, Attributes, Types of attributes, key attribute, anddomain of an attribute. Relationships between the entities. Relationshiptypes, roles and structural constraints, degree and cardinality ratio of arelationship.Weakentitytypes,E-Rdiagram.	14
2	**RelationalDataModel: Relational model concepts. Characteristics of relations. Relational model constraints: Domain constrains, key constraints, primary & foreign key constraints, integrity constraints and null values.** **RelationalAlgebra: Basic Relational Algebra operations. Set theoretical operations on relations. JOIN operations Aggregate Functions and Grouping, Nested Sub Queries-Views.**	**14**

3	**DataNormalization: Anomalies in relational database design. Decomposition. Functional dependencies – Axioms, minima and maxima cover. Normalization. First normal form, Second normal form, Third normal form. Boyce-Codd normal form.** **Query Processing Transaction Management: Introduction Transaction Processing. Single user & multiuser systems. Need of concurrency control: The lost update problem, Dirty read problem. Transaction states. Desirable properties (ACID properties) of Transactions.**	**14**

COURSEARTICULATIONMATRIX-225329

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	P011	PO12
CO1	**3**	**2**	**3**	**1**	**2**	**1**	**1**	**1**	**3**	**2**	**2**	**3**
CO2	**3**	**2**	**3**	**1**	**2**	**1**	**1**	**1**	**2**	**1**	**2**	**3**
CO3	**3**	**2**	**3**	**1**	**3**	**2**	**1**	**1**	**3**	**1**	**3**	**3**
W.A	**3**	**2**	**3**	**1**	**2.33**	**1.33**	**1**	**1**	**2.66**	**1.33**	**2.33**	**3**

C#and.NetTechnologies

CourseCode:215330	**CourseTitle:**C#and.NetTechnologies C# and .Net Technologies Lab
CourseCredits:05(3:0:2)	**HoursofTeaching/Week:**03Theory+4 Lab
TotalContactHours:42Theory56Lab	**FormativeAssessmentMarks:**40Theory 25Practical
ExamDuration:2Hours 3Hours	**SemesterEndExamMarks:**60(Theory) 25(Lab)

CourseOutcomes(CO's):

CO1: Acquire Knowledge on web Technologies, client Server Script and implementing programson c#.
CO2:ApplyingtheconceptonVB.Net&IDEandimplementingdocking&undockingTools. Designing and developing VB.net Statements.
CO3: Designing on windows Application and implementing on window forms, DataBase Application& Acquiring knowledge on BDO.Net and Implementing on web APP with web forms.

Unit	Description	Hours
1	**Introduction to .Net Technologies:** Introduction to Web Technologies.HTML Basics, Scripts. Sample Programs. Advantages and DisadvantagesofClient-sideandServer-sideScripts.OverviewofClient-sideTechnologies andServer-sideTechnologies. **IntroductiontoC#:**OverviewofC#,Literals,Variables,DataTypes, Operators,Expressions,ControlStructures-Methods,Arrays,Strings,Structures, Enumerations.	14
2	**IntroductiontoVB.NET: Introduction VB.NET -IDE – Creating a shortcut to start VB.NET. Maneuverings the Toolbar Auto-hide, Docking and Undocking, Placing and Resizing the Windows, Forms, Properties** **Window and Solution Explorer. Writing and Event Procedure. Execution Basic Keywords. Data Types. VB.NET statements. Conditional statements: If Else, Select Case, Switch and Choose Loops: Do, For Next, For Each Next, While loop. Arrays.**	14
3	**ApplicationDevelopmenton.NET:C#.NET: Building Windows Applications, VB.NET: Windows Forms. Working with Controls, Timer, Picture-box, Group-box, Combo-box, Horizontal and Vertical Scrollbar, Numeric-up-down, Track-bar, and Progress-bar. Subroutines and Functions inVB.NET. Database applications** **ADO.NETConnectivity: Introduction to ADO.NET, ADO vs ADO.NET. Architecture: Data reader, Data adopter, Accessing Data with ADO.NET.** **Programming Web Applications with Web Forms. ASP .NET applications with ADO.NET**	14

COURSEARTICULATIONMATRIX-225330

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	P011	PO12
CO1	**2**	**2**	**3**	**1**	**1**	**2**	**1**	**1**	**2**	**1**	**2**	**2**
CO2	**2**	**2**	**3**	**1**	**2**	**1**	**1**	**1**	**3**	**2**	**3**	**2**
CO3	**2**	**2**	**3**	**1**	**3**	**1**	**1**	**1**	**3**	**2**	**3**	**2**
W.A	**2**	**2**	**3**	**1**	**2**	**1.33**	**1**	**1**	**2.6**	**1.66**	**2.6**	**2**

ComputerNetworks

CourseCode:225331	**CourseTitle:**ComputerNetworks
CourseCredits:(3:0:0)	**HoursofTeaching/Week:**03Theory
TotalContactHours:42Theory	**FormativeAssessmentMarks:**40Theory
ExamDuration:21/2Hours	**SemesterEndExamMarks:**60(Theory)

CourseOutcomes(COs):

CO1: Acquire knowledge of how computer network and physical layer organization withthe concept of layered approach.
CO2:Applytheconcept ofdata linkand networklayer of network modelinsolving real-time problems.
CO3:Identifyandemploythetop3layerofnetworkmodelalongwiththeskillsin analyzing usability of web

Course Contents

Unit	Description	Hours
1	**Introduction:** Computer Networks and its applications, Network structure,network architecture, Topologies, LAN,WAN,MAN,The OSI referencemodel,TheTCP/IPreferencemodel. **ThePhysicalLayer:**TransmissionMedia–Twistedpair,coaxialcable, optical fiber, radio transmission,microwaves and infrared transmission,Switching–messageswitching,Multiplexing.	14
2	**The Data Link Layer:** Data Link Layer design issues, Error detection – Singleparitychecking,Checksum,polynomialcodes–CRC,Errorcorrection-Hamming code, Elementary data link protocols, sliding windowprotocols. **The Network Layer:** Network layer design issues, Routing algorithms – Flooding, Distance vector routing, Hierarchical routing, Link state routing,Congestion,controlalgorithms– Leakybucket,tokenbucketalgorithm, admissioncontrol,Hop byHopchokepackets.	14
3	**TheTransportLayer,PresentationLayerandApplicationLayer: Elements of Transport service, Elements of Transport, protocols, Internet transport protocols (TCP & UDP), Presentation Layer – Introduction, protocol, Application Layer DNS, Electronic Mailing, and World Wide Web, Introduction to mobile internet.**	14

COURSEARTICULATIONMATRIX-225331

	PO 1	PO 2	PO3	PO 4	PO 5	PO6	PO 7	PO 8	PO9	PO1 0	PO1 1	PO1 2
CO1	**2**	**1**	**2**	**1**	**3**	**2**	**-**	**-**	**2**	**2**	**2**	**3**
CO2	**-**	**3**	**3**	**2**	**2**	**-**	**-**	**-**	**2**	**3**	**1**	**2**
CO3	**3**	**2**	**1**	**3**	**3**	**1**	**1**	**1**	**2**	**3**	**-**	**3**
W.A	**2.5**	**2**	**2**	**2**	**2.6**	**1.5**	**1**	**1**	**2**	**2.6**	**1. 5**	**2.6**

PythonProgramming

CourseCode:215433	**CourseTitle:**PythonProgrammingPython ProgrammingLab
CourseCredits:05(3:0:2)	**HoursofTeaching/Week:**03Theory+4 Lab
TotalContactHours:42Theory56Lab	**FormativeAssessmentMarks:**40Theory 25Practical
ExamDuration:2Hours 3Hours	**SemesterEndExamMarks:**60(Theory) 25(Lab)

CourseOutcomes(COs):

CO1: Acquiring knowledgeon features and application of python and typesof control flow statementsof python, defining on exception handling and python functions.
CO2:Identifying,designinganddeveloping strings,lists, tuplesandsets.
CO3:DesigninganddevelopingGUInterface,DataAnalysisandDataVisualization.

Unit	Description	Hours
1	**Introduction** to Features and Applications of Python; Python Versions;Installation of Python; Python Command Linemode and PythonIDEs;SimplePythonProgram. **PythonBasics:**Identifiers;Keywords;StatementsandExpressions;Variables;Operators;PrecedenceandAssociation;DataTypes;Indentation;Comments; Built-in Functions - Console Input and Console Output, TypeConversions;PythonLibraries;ImportingLibrarieswithExamples. Python Control Flow: Types of Control Flow; Control Flow Statements- if,else, elif, while loop, break, continue statements, for loop Statement; range()andexit()functions. **Exception Handling:** Types of Errors; Exceptions; Exception Handlingusingtry,exceptandfinally. **PythonFunctions:**TypesofFunctions;FunctionDefinition-Syntax,FunctionCalling,PassingParameters/arguments,thereturnstatement;DefaultParameters;CommandlineArguments;KeyWordArguments;RecursiveFunctions;Scopeand LifetimeofVariablesinFunctions. **Strings:** CreatingandStoringStrings; AccessingStingCharacters;thestr()	14
2	**function; Operations on Strings- Concatenation, Comparison, Slicing and Joining, Traversing; Format Specifiers; Escape Sequences; Raw and Unicode Strings; Python String Methods.** **Lists: Creating Lists; Operations on Lists; Built-in Functions on Lists; Implementation of Stacks and Queues using Lists; Nested Lists.** **Dictionaries: Creating Dictionaries; Operations on Dictionaries; Built-in Functions on Dictionaries; Dictionary Methods; Populating and Traversing Dictionaries.** **Tuples and Sets: Creating Tuples; Operations on Tuples; Built-in Functions on Tuples; Tuple Methods; Creating Sets; Operations on Sets; Built-in Functions on Sets; Set Methods**	14

3	**File Handling: File Types; Operations on Files – Create, Open, Read,Write, Close Files; File Names and Paths; Format Operator.; Inheritance- Single an** **GUInterface: The tkinter Module; Window and Widgets; Layout Management- pack, grid and place.** **PythonSQLite: The SQLite3 module; SQLite Methods- connect, cursor, execute, close; Connect to Database; Create Table; Operations on Tables- Insert, Select, Update. Delete and Drop Records.** **Data Analysis: NumPy- Introduction to NumPy, Array Creation using NumPy, Operations on Arrays; Pandas- Introduction to Pandas, Series and DataFrames, Creating DataFrames from Excel Sheet and .csv file,Dictionary and Tuples. Operations on DataFrames.** **Data Visualisation: Introduction to Data Visualisation; Matplotlib Library; Different Types of Charts using Pyplot- Line chart, Bar chart and Histogram** **and Pie chart.**	14

CourseArticulationMatrix-225433

	PO1	PO 2	PO3	PO 4	PO5	PO 6	PO7	PO 8	PO 9	PO10	P01 1	PO12
CO1	**2**	**1**	**-**	**-**	**1**	**-**	**1**	**-**	**-**	**1**	**1**	**1**
CO2	**2**	**3**	**1**	**1**	**1**	**-**	**1**	**-**	**1**	**1**	**2**	**1**
CO3	**2**	**2**	**3**	**1**	**3**	**2**	**2**	**2**	**2**	**1**	**3**	**2**
W.A	**2**	**2**	**2**	**1**	**1.66**	**2**	**2**	**2**	**1.5**	**1**	**2**	**2**

MultimediaAnimation

CourseCode:215434	**CourseTitle:**MultimediaAnimation MultimediaAnimationLab
CourseCredits:05(3:0:2)	**HoursofTeaching/Week:**03Theory+4 Lab
TotalContactHours:42Theory56Lab	**FormativeAssessmentMarks:**40Theory 25Practical
ExamDuration:2Hours 3Hours	**SemesterEndExamMarks:**60(Theory) 25(Lab)

CourseOutcomes(COs):

CO1:Participateintheplanningandimplementationofanimationprojects,developand execute believableanimation sequences.
CO2:Createanimationsequencesthat employbasiccinematographyprinciples andskillsto create, developand execute animation sequences.
CO3:Applyperformancetheorytothecreationofanimationalso Producelayoutsand backgrounds withAttention to composition, perspective and color.

Unit	Description	Hours
1	WebDesign:OriginsandevolutionofHTML,Basicsyntax,Basictext markup,Images,Lists,Tables,Forms,Frame,Overviewandfeatures ofHTML5.CSS:Introduction,Levelsofstylesheets,Style specificationformats,Selectorforms,Propertyvalueforms,Fontproperties,Listproperties,Color,Alignmentoftext,Theand tags;Overviewandfeaturesof CSS3.JavaScript:Objectorientation andJavaScript;Generalsyntactic characteristics; Primitives,operations, andexpressions;Screenoutputandkeyboardinput. Introduction to Animation: Definition, The Start and End States,Interpolation,AnimationsinHTML.	14
2	CSSAnimations,Creatinga Simple Animation,CSS Animation Property,Keyframes,DeclaringMultipleAnimations,Wrap-up.CSSTransitions,AddingaTransition,TransitionsinDetail,TheLonghandProperties, Longhand Properties vs.Shorthand Properties,Working with MultipleTransitions. HTML5–SVG:ViewingSVGFiles,EmbeddingSVGinHTML5,HTML5 −SVGCircle, HTML5−SVGRectangle, HTML5−SVGLine, HTML5−SVGEllipse,HTML5−SVGPolygon,HTML5−SVGPolyline,HTML5 −SVGGradients,HTML5−SVGStar.	14
3	HTML5–CANVAS:The Rendering Context,Browser Support, HTML5CanvasExamples,Canvas-DrawingRectangles,Canvas-DrawingPaths,Canvas - Drawing Lines, Canvas - Drawing Bezier Curves, Canvas - DrawingQuadraticCurves,Canvas-UsingImages,Canvas-CreateGradients,HTML5-StylesandColors,Canvas-Textand Fonts,Canvas-PatternandShadow, Canvas - Save and Restore States, Canvas - Translation, Canvas-Rotation,Canvas-Scaling,Canvas-Transforms,HTML5	14

CourseArticulationMatrix-225434

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	**3**	**2**	**3**	**1**	**2**	**1**	**1**	**1**	**2**	**2**	**1**	**2**
CO2	**2**	**2**	**1**	**1**	**3**	**-**	**1**	**1**	**2**	**1**	**2**	**2**
CO3	**2**	**2**	**2**	**2**	**2**	**2**	**1**	**1**	**2**	**-**	**2**	**2**
W.A	**2.33**	**2**	**2**	**1.33**	**2.33**	**1.5**	**1**	**1**	**2**	**1.5**	**1.6**	**2**

OperatingSystemConcepts

CourseCode:225435	**CourseTitle:**OperatingSystemConcepts
CourseCredits:(3:0:0)	**HoursofTeaching/Week:**03Theory
TotalContactHours:42Theory	**FormativeAssessmentMarks:**40Theory
ExamDuration:21/2Hours	**SemesterEndExamMarks:**60(Theory)

CourseOutcomes (COs):

CO1:Acquiringknowledgeonbasicsofoperating systemtheir typesand functioning.
OptimizesystemperformanceusingCPUschedulingandprocessmanagementconcepts.
CO2:Applytheconcept ofdeadlock and storagemanagement technologies.
CO3:Analyzeanddesign thesolution for theproblems basedon virtualmemory.

Unit	Description	Hours
1	**Introduction to Operating System:** Definition, History and Examples ofOperatingSystem;ComputerSystemorganization;TypesofOperatingSystems; Functions of Operating System; Systems Calls; Operating SystemStructure. **Process Management:** Process Concept- Process Definition, Process State,Process Control Block, Threads; Process scheduling-Multiprogramming,SchedulingQueues,CPUScheduling,ContextSwitch;OperationsonProcesses-CreationandTerminationofProcesses;Interprocesscommunication(IPC)-DefinitionandNeedforInterprocessCommunication;IPCImplementationMethods-SharedMemoryandMessagePassing; **CPUScheduling**: Basic concepts; Scheduling Criteria; Scheduling	14

	Algorithms;Multiple-processorscheduling;Threadscheduling;MultiprocessorScheduling;Real-Time CPU Scheduling.	
2	**Multithreaded Programming**: Introduction to Threads; Types of Threads;Multithreading-Definition,Advantages; MultithreadingModels; ThreadLibraries;ThreadingIssues. **Process Synchronization:** Introduction; Race Condition; Critical SectionProblem and Peterson‟s Solution; Synchronization Hardware, Semaphores;Classic Problems of Synchronization- Readers and Writers Problem, DiningPhilosophers Problem;Monitors. **Deadlocks:**SystemModel;DeadlocksCharacterization;MethodsforHandling Deadlocks;DeadlockPrevention;DeadlockAvoidance;Deadlock Detection;and RecoveryfromDeadlock.	14
3	**Memory Management: Logical and Physical Address Space; Swapping; Contiguous Allocation; Paging; Segmentation; Segmentation with Paging. Virtual Memory: Introduction to Virtual Memory; Demand Paging; Page Replacement; Page Replacement Algorithms; Allocation of frames, Thrashing.** **File System: File Concepts- Attributes, Operations and Types of Files; File System; File Access methods; Directory Structure; Protection; File System Implementation- File System Structure, Allocation Methods, Free Space Management, Mobile Operating Systems.**	14

COURSEARTICULATIONMATRIX-225435

	PO1	PO2	PO3	PO 4	PO5	PO6	PO7	PO8	PO9	PO1 0	PO11	PO1 2
CO 1	2	1	2	2	2	1	1	1	1	1	1	2
CO 2	2	2	2	2	1	1	1	1	1	2	2	2
CO 3	2	2	2	1	2	1	1	1	2	1	2	2
W.A	2	1.66	2	1.66	1.66	1	1	1	1.33	1.33	1.66	2

DSC(13)DesignandAnalysisofAlgorithm

SemesterV

Course Code:235529	**CourseTitle:DSC(13)Designand Analysis of Algorithm** **DSC(13)-LabDesignandAnalysisof Algorithm laboratory**
CourseCredits:04	**HoursofTeaching/Week:**04Theory+4Lab
TotalContactHours:60Theory 60 Practical	**FormativeAssessmentMarks:**40Theory **FormativeAssessmentMarks:**25Lab
ExamDuration:21/2Hours 3Hours	**SemesterEnd** **ExamMarks:**60(Theory) 25(Lab)

CourseOutcomes(COs):

CO1: Understandthefundamentalconceptsofalgorithmsandtheircomplexity,includingtime and space Complexity, worst-case and average-case analysis, and Big-O notation.

CO2:Analyzethe bruteforceapproachand Decreaseand conquer.

CO3:Analyzeandcomparethetimeandspacecomplexityofalgorithmswithother algorithmic techniques.

CO4: Evaluate the performance of Sorting, Searching, Graph traversal, Decrease-and-Conquer,Divide-and-ConquerandGreedyTechniqueandApplyvariousalgorithmdesignto real-world problems and evaluate their effectiveness

Content	Hours
Unit-1	
What is an Algorithm? Fundamentals of Algorithmic problem solving, Fundamentals of the Analysis of Algorithm Efficiency, Analysis Framework, Units for measuring Running time, Orders of Growth Worst-case, Best case and Average-case efficiencies. Asymptotic Notations: Introduction, O-notation, Ω-notation, θ-notation, mathematical analysis of non-recursive algorithms ,mathematical analysis of recursiv	15
Unit-2	
Brute Force & Exhaustive Search: Introduction to Brute Force approach, Selection Sort and Bubble Sort, Sequential search, Exhaustive Search- Travelling Salesman Problem and Knapsack Problem, Depth First Search, Breadth First Search.	15
Unit-3	
Decrease-and-Conquer: Introduction, Insertion Sort, Topological Sorting Divide-and-Conquer: Introduction, Merge Sort, Quick Sort, Binary Search, Binary Tree traversals and related properties.	15
Unit-4	
Greedy Technique: Introduction, Prim's Algorithm ,Kruskal's Algorithm, Dijkstra's Algorithm, Lower-Bound Arguments, Decision Trees, P Problems, NP Problems, NP Complete Problems, Challenges of Numerical Algorithm	15
e algorithms.	

CourseArticulationMatrix-235529

	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	2	1	2	1	1	-	1	-	1	-	1
CO2	2	1	-	2	-	1	1	1	2	1	1	1
CO3	2	1	-	2	-	1	-	1	-	1	-	1
CO4	2	1	3	2	1	2	2	1	1	-	2	1
W.A	**2**	**1.25**	**1**	**2**	**0.5**	**1.25**	**0.6**	**1**	**0.75**	**0.75**	**0.75**	**1**

DSC(14)StatisticalComputing&RProgramming

Course Code:235530	**CourseTitle:DSC(14)Statistical Computing &R Programming** **RProgrammingLab**
CourseCredits:04	**HoursofTeaching/Week:**04Theory+4Lab
TotalContactHours:60Theory 60 Practical	**FormativeAssessmentMarks:**40Theory **FormativeAssessmentMarks:**25Lab
ExamDuration:$2^{1/2}$Hours 3Hours	**Semester End ExamMarks:**60(Theory) 25(Lab)

CourseOutcomes:

CO1: ExplorefundamentalsofstatisticalanalysisintheRenvironmentandunderstandkey terminologies, concepts and techniques employed in Statistical Analysis.

CO2: DefineCalculateImplementProbabilityandProbabilityDistributionstosolveawide variety of problems.

CO3: ConductandinterpretavarietyofHypothesisTeststoaidDecision Making.

CO4: Understand,Analyze,andInterpretCorrelationProbabilityandRegressiontoanalysesthe under lying relationships between different variables.

Content	Hours
Unit-1	
Introduction of 'R' language, numeric, arithmetic, assignment, and vectors, Matrices and Arrays, Non-numeric Values, Lists and Data Frames, Special Values, Classes, and Coercion, Basic Plotting. Reading and writing files, Programming, Calling Functions, Conditions and Loops: standalone statement with illustrations in exercise ,stacking statements, coding loops, Writing Functions, Exceptions, Timings, and Visibility.	15
Unit-2	
Statistics And Probability, basic data visualization, probability, cumulative distributions, probability distributions: mass functions, Bernoulli, binomial, Poisson distributions, common probability density functions, uniform, normal& student's distribution.	15
Unit-3	

Statistical testing and modelling, sampling distributions, hypothesis testing, components of hypothesis test, testing means, testing proportions, testing categorical variables, errors and power , Analysis of variance.	15
Unit-4	
Simple linear regression, multiple linear regression, linear model selection and diagnostics.Advancedgraphics:plotcustomization,plottingregionsandmargins,pointandclickcoordinate interaction, customizing traditional R plots, specialized text and label notation. Defining colors and plotting in higher dimensions, representing and using color, 3D scatterplots.	15

CourseArticulationMatrix-235530

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	**2**	**2**	**1**	**2**	**1**	**1**	**1**	-	-	-	-	**1**
CO2	**2**	**2**	**1**	**2**	**1**	**1**	**1**	**1**	**3**	-	-	**1**
CO3	**2**	**2**	**2**	**2**	**1**	**1**	**1**	**1**	**3**	**1**	**3**	**3**
CO4	**2**	**2**	**2**	**3**	**1**	**1**	**1**	-	**3**	**1**	**3**	**3**
W.A	**2**	**2**	**1.5**	**2**	**1**	**1**	**1**	**.5**	**2.25**	**.5**	**1.5**	**2**

DSC(15)SoftwareEngineering

SemesterV

Course Code:235531	**CourseTitle:DSC(15)Software Engineering**
CourseCredits:04	**HoursofTeaching/Week:**04Theory
TotalContactHours:60Theory	**FormativeAssessmentMarks:**40Theory
ExamDuration:2 1/2 3 Hours	**SemesterEndExamMarks:**60(Theory)

CourseOutcomes:

CO1: Assessprofessionalandethicalresponsibility.Usethetechniques,skillsandmodern engineering tools necessary for software engineering practice.

CO2: Designasoftwaresystem,componentorprocesstomeetthedesiredneedswithin realistic constraints.

CO3: Differentiate system models.Use UMLdiagramsand applydesign patterns.

CO4: Illustratedifferent testingtechniques.

Content	Hours
Unit-1	
OVERVIEW: Introduction; Software engineering ethics; Software process models; Process activities; Coping with change; Agile software development: Agile methods; Plan-driven and agile development.	15
Unit-2	
REQUIREMENTS ENGINEERING: Functional and non-functional requirements; Software requirements document; Requirement's specification; Requirements engineering processes; Requirement's elicitation and analysis; Requirement's validation; Requirements management.	15
Unit-3	
SYSTEM MODELING: Context models; Interaction models- Use case modeling, Sequence diagrams; Structural models- Class diagrams, Generalization, Aggregation; Behavioral Models-Data-driven	

modeling, Event-driven modeling; Model-driven engineering. ARCHITECTURAL DESIGN: Architectural design decisions; Architectural views; Architectural Patterns-Layered architecture, Repository architecture, Client–server architecture Pipe and filter architecture, Introduction to Devops GitHub, Bit Bucket, Jenkins, Puppet.	15
Unit-4	
DESIGN AND IMPLEMENTATION: Object-oriented design using the UML- System context and interactions, Architectural design, Object class identification, Design models, Interface specification; Design patterns; Implementation issues. SOFTWARE TESTING: Development testing- Unit testing, Choosing unit test cases, Component testing, Systemtesting.Test-drivendevelopment; Release testing;Usertesting- Alpha, Beta, Acceptance testing.	15

CourseArticulationMatrix235531

	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO1 0**	**PO1 1**	**PO1 2**
CO1	2	1	3	1	2	3	3	3	2	2	1	2
CO2	1	2	3	2	2	2	1	2	2	2	2	3
CO3	1	2	3	2	2	1	1	1	2	1	2	3
CO4	1	2	2	3	2	1	2	1	2	1	2	3
W.A	1.25	1.75	2.75	2	2	1.75	1.75	1.75	2	1.5	1.75	2.75

DSE(1)CloudComputing Semester

Course Code:23DSEBCA01	**CourseTitle:DSE(1)CloudComputing**
CourseCredits:03	**HoursofTeaching/Week:**03Theory
TotalContactHours:45Theory	**FormativeAssessmentMarks:**40Theory
ExamDuration:2½Hours 3Hours	**SemesterEndExamMarks:**60(Theory)

CourseOutcomes(COs):

CO1: Acquiring knowledge on cloud computing basics, different computing paradigms, applications of cloud in Scientific, Geoscience, Business and Customer applications.

CO2: Analyzing the cloud architecture with different Cloud Service Models and Visualization concept.

CO3: Implementing the cloud application programming, Aneka platform andother managementtools in industry such as Amazon Web Service, Google App Engine and MicrosoftAzure.

Content	Hours
Unit-1	
Introduction: Different Computing Paradigms- Parallel Computing, Distributed Computing, Cluster Computing, Grid Computing Cloud Computing etc.,Comparisonofvarious ComputingTechnologies;CloudComputingBasics-What is Cloud Computing History, Characteristic Features, Advantages andDisadvantages, andApplicationsof Cloud Computing; Trends in Cloud Computing; Leading Cloud Platform Service Providers. **Cloud Applications:** Scientific Applications- Healthcare (ECG Analysis in the Cloud),Geoscience(Satellite Image Processing);Business and ConsumerApplications- CRM and ERP, Productivity, Social Networking, Media Applications,Multiplayer Online Gaming.	15
Unit-2	

Cloud Architecture: Cloud Service Models- Infrastructure as a Service (IaaS),Platform as a Service (PaaS) and Software as a Service (SaaS), Comparison of different Service Models; Cloud Deployment Models- Public Cloud; Private Cloud, Hybrid Cloud, Community Cloud; Cloud Computing Architecture-Layered Architecture of Cloud. Virtualization- Definition, Features of Virtualization; Types of Virtualizations-Hardware Virtualization, Server Virtualization, Application Virtualization,StorageVirtualization,OperatingSystemVirtualization;VirtualizationandCloudComputing, Pros and Cons of Virtualization, Technology Examples- Xen: Para virtualization, VMware: Full Virtualization, Microsoft Hyper-V.	15
Unit-3	
Cloud Application Programming and the Aneka Platform: Basics of Aneka Cloud Application Platform-Frame work Overview, Anatomy of the Aneka Container; Building Aneka Clouds(Infrastructure Organization, Logical Organization, Private Cloud Deployment Mode, Public Cloud Deployment Mode, Hybrid Cloud Deployment Mode);Cloud Programming and Management **CloudPlatformsinIndustry:** Amazon Web Services-Compute Services, Storage Communication Services, Windows Azure Platform Appliance.	15

CourseArticulationMatrix-23DSEBCA01

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	P0 11	PO 12
CO1	1	-	1	2	1	2	1	-	2	2	1	2
CO2	1	-	1	-	2	1	-	-	2	2	2	2
CO3	2	1	3	1	3	2	1	1	2	2	2	2
W.A	1.33	0.33	1.66	1	2	1.66	0.66	0.33	2	2	1.66	2

DSE(2)BusinessIntelligence

Course Code:23DSEBCA02	**CourseTitle:DSE(2)**BusinessIntelligence
CourseCredits:03	**HoursofTeaching/Week:**03Theory
TotalContactHours:45Theory	**FormativeAssessmentMarks:**40Theory
ExamDuration:21/2Hours 3 Hours	**SemesterEndExamMarks:**60(Theory)

CourseOutcomes:

CO1: DescribetheDecisionSupportsystemsandBusinessIntelligence framework.

CO2: Exploreknowledgemanagement,explainitsactivities,approachesandits implementation.

CO3: Describebusiness intelligence,analytics,anddecisionsupportsystems.

Content	Hours
Unit-1	
Information Systems Support for Decision Making, An Early Frame work for Computerized Decision Support, The Concept of Decision Support Systems, A Frame work for Business Intelligence, Business Analytics Overview, Brief Introduction to Big Data Analytics: Introduction and Definitions, Phases of the Decision Making Process: The Intelligence Phase, Design Phase, Choice Phase, Implementation Phase. Decision Support Systems Capabilities, Decision Support Systems Classification, Decision Support Systems Components.	15
Unit-2	
Basic Concepts of Neural Networks, Developing Neural Network- Based SystemsIlluminating the Black Box of ANN with Sensitivity, Support Vector Machines, A Process Based Approach to the Use of SVM, Nearest Neighbor Method for Prediction, Sentiment Analysis Overview, Sentiment Analysis Applications, Sentiment Analysis Process, Sentiment Analysis: Speech Analytics. Decision Support Systems modeling, Structureofmathematicalmodelsfordecisionsupport,Decisionmodelingwith spreadsheets.	15
Unit-3	
Mathematicalprogrammingoptimization,DecisionAnalysiswithDecisionTablesandDecisionTrees,Multi-CriteriaDecisionMakingwithPairwiseComparisons. Automated Decision Systems, The Artificial Intelligence field, Basic concepts of	15

ExpertSystems,ApplicationsofExpertSystems,StructureofExpertSystems,KnowledgeEngineering,andDevelopmentofExpertSystems.	

CourseArticulationMatrix-23DSEBCA02

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	1	1	1	1	1	1		1		1
CO2	1	1	1	1	1	1	1	1	2	1	2	2
CO3	1	1	1	2	1	1	1	1	2	1	2	2
W.A	1	1	1	1.3	1	1	1	1	1.3	1	1.3	1.7

VOC(1)DigitalMarketing

Course Code:23VOCBCA01	**CourseTitle:VOC(1)Digital Marketing**
CourseCredits:03	**HoursofTeaching/Week:**03Theory
TotalContactHours:45Theory	**FormativeAssessmentMarks:**40Theory
ExamDuration:2½Hours 3Hours	**SemesterEndExamMarks:**60(Theory)

Course Outcomes:

CO1: Acquiring knowledge on fundamental concepts of digital marketing and it's importance, developing strategies, objectives and campaign planning.

CO2: Analyzing socialmedia marketing, advertising, email marketing,content marketing and applying strategies and techniques within each of these digital marketing channels.

CO3: Analyzing mobile marketing and implementing various analytical tools, reporting and data visualization.

Content	Hours
Unit-1	
IntroductiontoDigitalMarketing: Overviewofdigitalmarketing,Evolutionofdigital marketing, Importance and benefits of digital marketing, Digital marketingchannelsandplatforms **DigitalMarketingStrategyandPlanning:**Developingadigitalmarketingstrategy,Setting goalsand objectives,Budgetingand resourceallocation. Campaignplanningandexecution,Monitoringandadjustingdigitalmarketing campaigns	15
Unit-2	
SocialMediaMarketing: Overviewofsocialmediamarketing,Creatingandoptimizingsocialmediaprofiles,Socialmediacontentstrategy,Socialmediaadvertisingandanalytics**EmailMarketing:**Introductiontoemailmarketing,Building an email list, Creating effective email campaigns, Email marketing metricsand analytics **ContentMarketing:**Understandingcontentmarketing,Contentstrategyandplanning,Content creation and distribution, Content promotion and amplification,Content marketingmetricsand analytics.	15
Unit-3	
MobileMarketing: Mobile marketingoverview,Mobile advertisingstrategies,Mobile app marketing, Location-based marketing, Mobile marketing analytics**Analytics and Reporting:** Importance of analytics in digital marketing, Setting upwebanalytics tools(e.g., Google Analytics), Tracking and measuring key performance indicators (KPIs), Conversion tracking andoptimization,Reportingand datavisualization	15

CourseArticulationMatrix-23VOCBCA01

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	P0 11	PO 12
CO1	**2**	**1**	**2**	**1**	**1**	**2**	**1**	**2**	**2**	**1**	**1**	**2**

CO2	**1**	**1**	**1**	**2**	**2**	**3**	**2**	**2**	**2**	**3**	**1**	**1**
CO3	**1**	**2**	**2**	**2**	**3**	**1**	**1**	**1**	**3**	**2**	**1**	**2**
W.A	**1.33**	**1.33**	**1.66**	**1.66**	**2**	**2**	**1.33**	**1.66**	**2.33**	**2**	**1**	**1.66**

DSC(16)ArtificialIntelligenceandApplication

Course Code:235629	**CourseTitle:DSC(16)Artificial IntelligenceandApplication**
CourseCredits:04	**HoursofTeaching/Week:**04Theory
TotalContactHours:60Theory	**FormativeAssessmentMarks:**40Theory
ExamDuration:$2^{1/2}$ Hours 3Hours	**Semester End ExamMarks:**60(Theory)

CourseOutcomes:

CO1: Understandthehistoricalperspectiveof AIanditsfoundations**.**

CO2: Implementthebasicprinciplesandstrategiesof AItowardsproblemsolving.

CO3: Applyapproachesofknowledgerepresentation.

CO4: Differentiatethevariousformsoflearning.Illustratethedifferentapplicationsof AI.

Content	Hours
Unit-1	
Introduction- What is Artificial Intelligence, Foundations of AI, History , AI - Past, Present and Future. Intelligent Agents-Environments-Specifying the task environment, Properties of task environments, Agent based programs-Structure of Agents , Types of agents- Simplereflexagents,Model-basedreflexagents,Goal-basedagents;andUtility-basedagent	15
Unit-2	
Problem Solving by Searching-Problem-Solving Agents, Well-defined problems and solutions, examples Problems, Searching for Solutions, Uninformed Search Strategies-Breadth-first search, Uniform-cost search, Depth-first search, Depth-limited search, Iterative deepening depth-first search, Bidirectional search, Greedy best-first search, A* Search, AO*search Informed(Heuristic)Search Strategies, Heuristic Functions	15
Unit-3	
KnowledgeRepresentation-Knowledge-BasedAgents,TheWumpusWorld,Logic,Propositional Logic, Propositional Theorem Proving, Effective Propositional Model Checking, Agents Based on Propositional Logic, First-Order Logic-Syntax and Semantics of First-Order Logic, Using First-Order Logic, Unification and Lifting Forward Chaining, Backward Chaining.	15
Unit-4	
Learning– Forms of Learning, Supervised Learning, Machine Learning – Decision Trees, Regression and Classification with Linear Models. **Applications of AI**-Text Classification and Information Retrieval.	15

CourseArticulationMatrix-235629

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	2	1	1	2	1	2	1	1	2	2	1	3
CO2	1	3	2	1	2	2	2	1	2	2	1	2
CO3	2	1	1	1	3	2	1	1	2	1	1	2
CO4	2	1	1	2	3	2	2	1	2	2	1	3
W.A	1.7	1.5	1.2	1.5	2.2	2	1.5	1	2	1.75	2	2.5

DSC(17)PHP&MYSQL

Course Code:235630	**CourseTitle:DSC(17)PHP&MYSQL** **PHP& MYSQL LAB**
CourseCredits:04	**HoursofTeaching/Week:**04Theory
TotalContactHours:60Theory **60 Lab**	**FormativeAssessmentMarks:**40Theory **FormativeAssessmentMarks:25Lab**
ExamDuration:$2^{1/2}$Hours 3Hours	**SemesterEnd ExamMarks:**60(Theory) 25 (Lab)

CourseOutcomes(COs):

CO1: IllustratethebasicConceptsof PHP.

CO2: UnderstandingtheFunctionandapplyingObjectorientedprogrammingtechniques.

CO3: OrganizingPHP conceptsin creatingthe HTMLforms.

CO4: ProgrammingaDatabaseusingPHPwith MySQL.

Units	Contents	Hours
Unit-1	**Introduction to PHP:** Introduction to PHP, History and Features of PHP, Installation & Configuration of PHP, Embedding PHP code in Your Web Pages, Understanding PHP, HTML and White Space, Writing Comments in PHP, Sending Data to the Web Browser, Datatypes in PHP, Key words in PHP, Using Variables, Constants in PHP, Expressions in PHP, Operators in PHP. **Programming with PHP:** Conditional statements: if, if-else, switch, The '?'Operator, Looping statements: while Loop, do-while Loop, for Loop.	**15**
Unit-2	**Using Functions Class- Objects, Forms in PHP:** Functions in PHP, Function definition, Creating and invoking user-defined functions, Formal parameters versus actual parameters, Function and variable scope, Recursion, Library functions, Date and Time Functions. **Class &Objects in PHP:** What is Class & Object, Creating and accessing a Class & Object, Object properties, object methods,	**15**
Unit-3	**Arrays in PHP: Introduction- What is Array? Creating Arrays, Accessing Array elements, Types of Arrays: Indexed v/s Associative arrays, Multidimensional arrays - Creating Array, Accessing Array, Manipulating Arrays, Displaying array, Using Array Functions, Including and Requiring Files- use of Include() and Require(),Implicit and Explicit Casting in PHP.** **Strings in PHP: What is String? Creating and Declaring String, String Functions, Application program on sending Email.** **Form Handling: Creating HTML Form, Handling HTML Form data in PHP.**	**15**
Unit-4	**Database Handling Using PHP with MySQL: Introduction to MySQL: Database terms, Data Types.** **Accessing MySQL –Using MySQL Client and Using php My Admin, MySQL Commands, Using PHP with MySQL: PHP MySQL Functions, connecting to MySQL and Selecting the** **Database,ExecutingSimpleQueries,RetrievingQueryResults,CountingReturnedRecords,UpdatingRecordswithPHP.**	**15**

CourseArticulationMatrix-235630

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO1	1	1	2	1	1	1	1	1	1	2	2	1
CO2	2	2	2	1	2	1	-	-	1	2	2	2
CO3	2	2	3	-	2	1	-	-	2	2	2	3
CO4	2	2	2	2	2	2	2	1	2	2	2	3
W.A	1.7	1.7	2.2	1.3	1.7	1.25	1.5	1	1.5	2	2	2

DSE(3)FundamentalsofDataScience

SemesterVl

Course Code:23DSEBCA03	**CourseTitle:DSE(3)FundamentalsofData Science**
CourseCredits:03	**HoursofTeaching/Week:**03Theory
TotalContactHours:45Theory	**FormativeAssessmentMarks:**40Theory
ExamDuration:2½Hours 3Hours	**SemesterEndExamMarks:**60(Theory)

Course Outcomes:

CO1: UnderstandtheConceptsof Data

CO2: Understandingdatapre-processingandminingfrequent patterns.

CO3: Analyzingtheclassificationandclusteringmethods.

Units	Contents	Hours
Unit-1	Data Mining: Introduction, Data Mining Definitions, KnowledgeDiscovery in Databases (KDD) Vs Data Mining, DBMS Vs DataMining, DM techniques, Problems, Issues and Challenges in DM,DMapplications.	15
Unit-2	DataWarehouse:Introduction,Definition,MultidimensionalData Model,Data Cleaning, Data Integration and transformation, Datareduction,Discretization. MiningFrequentPatterns:BasicConcept– FrequentItemSetMining Methods –Apriori and Frequent Pattern Growth(FPGrowth) algorithms-Mining AssociationRules	15
Unit-3	Classification:BasicConcepts,Issues,Algorithms:DecisionTreeInduction.BayesClassificationMethods,Rule-BasedClassification,LazyLearners (orLearningfromyourNeighbours), k Nearest Neighbors. Prediction - Accuracy- Precision and Recall.Clustering:ClusterAnalysis,PartitioningMethods,Hierarchical Methods,Density-BasedMethods,Grid-BasedMethods,EvaluationofClustering.	15

CourseArticulationMatrix-23DSEBCA03

	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**
CO1	1	2	2	1	1	1	1	1	1	1	2	3
CO2	2	2	2	2	2	1	1	1	1	2	2	3
CO3	2	2	3	1	2	1	1	1	2	2	2	3
W.A	1.6	2	5	1.3	1.6	1	1	1	1.3	1.6	2	3

DSE(4)MobileApplicationDevelopment

SemesterVl

Course Code:23DSEBCA04	**CourseTitle:DSE (4)** **MobileApplicationDevelopment**
CourseCredits:03	**HoursofTeaching/Week:**03Theory
TotalContactHours:45Theory	**FormativeAssessmentMarks:**40Theory
ExamDuration: 2Hours 3Hours	**SemesterEndExamMarks:**60(Theory)

Course Outcomes:

CO1: Acquiringknowledgeonandroiddevelopmentandandroidstudio.Create,testand debug android application by setting up android development environment.

CO2: Analyzing android application design essentials, android user interface design essential sand techniques for designing and developing sophisticated mobile interfaces.

CO3: Analysisofmobileapplicationfortheandroidoperatingsystemanddeployapplication to the android market place for distribution

Units	Contents	Hours
Unit-1	Data Mining: Introduction, Data Mining Definitions, KnowledgeDiscovery in Databases (KDD) Vs Data Mining, DBMS Vs DataMining, DM techniques, Problems, Issues and Challenges in DM,DMapplications.	15
Unit-2	DataWarehouse:Introduction,Definition,MultidimensionalData Model,Data Cleaning, Data Integration and transformation, Datareduction,Discretization. MiningFrequentPatterns:BasicConcept– FrequentItemSetMining Methods –Apriori and Frequent Pattern Growth(FPGrowth) algorithms-Mining AssociationRules	15
Unit-3	Classification:BasicConcepts,Issues,Algorithms:DecisionTreeInduction.BayesClassificationMethods,Rule-BasedClassification,LazyLearners (orLearningfromyourNeighbours), k Nearest Neighbors. Prediction - Accuracy- Precision and Recall.Clustering:ClusterAnalysis,PartitioningMethods,Hierarchical	15

	Methods,Density-BasedMethods,Grid-BasedMethods,EvaluationofClustering.	

COURSEARTICULATIONMATRIX-23DSEBCA04

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	P0 11	PO 12
CO1	**2**	**1**	**2**	**-**	**2**	**-**	**-**	**-**	**1**	**-**	**1**	**1**
CO2	**2**	**2**	**3**	**2**	**2**	**-**	**1**	**-**	**2**	**1**	**1**	**2**
CO3	**2**	**2**	**2**	**2**	**1**	**3**	**1**	**3**	**2**	**3**	**2**	**3**
W.A	**2**	**1.66**	**2.33**	**1.33**	**1.66**	**1**	**0.66**	**1**	**1.66**	**1.33**	**1.33**	**2**

VOC(2)WebContentManagementSystem

Course Code:23VOCBCA02	**CourseTitle:VOC(2)WebContent Management System**
CourseCredits:03	**HoursofTeaching/Week:**03Theory
TotalContactHours:45Theory	**FormativeAssessmentMarks:**40Theory
ExamDuration: 2Hours 3Hours	**SemesterEndExamMarks:**60(Theory)

Course Outcomes:

CO1: Understanding the content of development basics, Acquiring knowledge on tools for multimediacontentdevelopmentforaudio/video,graphics,animations,presentations,screen casting, editing, and web hosting.

CO2: AnalyzingtheHostwebsitesanddevelop contentforsocialmediaplatformssuch as wiki and managing a blog site. Analyzing the knowledge on Presentation Software, screen casting tools and techniques.

CO3: Understandinge-publicationsandvirtualrealityapplications,2Dand3DAnimations Implementations of e-learningplatform Moodle and CMS applications Drupal and Joomla

Content	Hours
Unit-1	
Introduction: Web Content Development and Management, Content Types and Formats, Norms and Guidelines of Content Development, Creating Digital Graphics, Audio Production and Editing, Web Hosting and Managing Multimedia Content, Creating and Maintaining a Wiki Site.	15
Unit-2	

Presentation Software: Presentation Software Part I, Presentation Software Part II, Screen casting Tools and Techniques, Multilingual Content Development. Planning and Developing Dynamic Web Content Sites, Website Design Using CSS Creating and Maintaining a WIKI Site, Creating and Managing a Blog Site.	15
Unit-3	
E- Publication: E- Publication Concept, E- Pub Tools, Simulation and Virtual Reality Applications, Creating 2D and 3 D Animations. Introduction to Moodle, Creating a New Course and Uploading, Create and Add Assessment, Add and Enroll User and Discussion Forum, ContentManagementSystem:Joomla,ContentManagementSystem :Drupal,DemoonWebContentManagementSystemTools.	

COURSEARTICULATIONMATRIX-:23VOCBCA02

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	P0 11	PO 12
CO1	1	1	1	2	2	2	1	-	2	2	1	2
CO2	1	1	2	1	2	2	1	-	2	2	2	2
CO3	2	1	3	1	3	2	1	1	2	2	3	2
W.A	1.33	1	2	1.33	2.33	2	1	0.33	2	2	2	2

References

Subject: Fundamentals of Computers

TextBooks:

1. PradeepK.SinhaandPritiSinha:ComputerFundamentals(SixthEdition),BPBPublication
2. DavidRileyandKennyHunt,Computationalthinkingformodernsolver,Chapman&Hall/CRC,
1. J.GlennBrookshear,"ComputerScience:AnOverview",Addision-Wesley,TwelfthEdition,
2. R.G.Dromey,"HowtosolveitbyComputer",PHI

1. Computational Thinking for the Modern Problem Solver, By

Riley DD, Hunt K.A CRCpress,2014

2. FerraginaP,LuccioF.ComputationalThinking:FirstAlgorithms,ThenCode.Springer

WebReferences:

http://www.flowgorithm.org/documentation/

Subject:ProgramminginC

TextBooks:

1. C:TheCompleteReference,ByHerbertSchildt.
2. M.TSomashekara,D.SGuruandK.S.Manjunatha:ProblemsolvingwithC,PHIpublication
3. CProgrammingLanguage,ByBrainW.Kernighan
4. Kernighan&Ritchie:TheCProgrammingLanguage(PHI)

ReferenceBooks:

1. P.K.Sinha&PritiSinha:ComputerFundamentals(BPB)
2. E.Balaguruswamy:ProgramminginANSIC(TMH)
3. Kamthane:ProgrammingwithANSIandTURBOC(PearsonEducation)
4. V.Rajaraman:ProgramminginC(PHI –EEE)
5. S.ByronGottfried:ProgrammingwithC(TMH)
6. YashwantKanitkar:LetusC
7. P.B.Kottur:ProgramminginC(SapnaBookHouse)

Subject:Mathematical Foundation

TextBooks:

P.R.Vittal-
BusinessMathematicsandStatistics,MarghamPublications,Chennai.
DiscreteandCombinatorialMathematicsRalph P.Grimaldi,B.V.
Ramatta,Pearson, Education,5Edition.

ReferenceBooks:

B.S.Vatsa-DiscreteMathematics–
NewAgeInternationalLimitedPublishers,NewDelhi

Subject:Accountancy

TextBooks:

S.Ramesh,B.S.Chandrashekar,ATextBookofAccountancy.

V.A.PatilandJ.S.Korihalli,Book–keepingandaccounting,(RCo. Delhi).

R.S.Singhal,PrinciplesofAccountancy,(NageenPrakashpvt.L

M. B. Kadkol, Book – Keeping and Accountancy,

(Renuka PrakasVithal,Sharma:Accounting forManagement,MacmillanMumbai.

Reference Books:

B.S.Raman,Accountancy,(UnitedPublishers,Mangalore).

Tulsian,AccountingandFinancialManagement–I:FinancialAccounting–PersonEducation**.**

Subject:Discrete Mathematical Structures

TextBook:

1. DiscreteMathematicsandItsApplications,KennethH.Rosen:Sev enthEdition,2012.

References:

2. Discrete Mathematical Structure, Bernard Kolman, Robert C, Busby, Sharon Ross,2003.
3. GraphTheorywithApplicationstoEnggandComp.Sci:NarsinghDeo-PHI1986.
4. DiscreteandCombinatorialMathematicsRalphP.Grimaldi, B.V.Ramatta,Pearson, Education,5Edition. DiscreteMathematicalStructures,TrembleyandManohar

Subject:DataStructuresusingC

TextBooks

1. EllisHorowitzandSartajSahni:FundamentalsofDataStructures

References

1. Tanenbaum:DatastructuresusingC(PearsonEducation)
2. Kamathane:IntroductiontoDatastructures(PearsonEducation)
3. Y.Kanitkar:DataStructuresUsingC(BPB)
4. Kottur:DataStructureUsingC
5. PadmaReddy:DataStructureUsingC
6. Sudipa Mukherjee: Data Structures using C – 1000 Problems and Solutions(McGrawHillEducation,2007))

Subject:Oops Programming Using Java

TextBooks

1. Programming with Java, By E Balagurusamy – A Primer, Fourth Edition, TataMcGrawHillEducationPrivate Limited.
2. CoreJavaVolumeI–Fundamentals,ByCayS.Horstmann,PrenticeHall
3. ObjectOrientedProgrammingwithJava:Somashekara,M.T.,Guru,D.S.,Manjunatha,K.S

ReferenceBooks:

1. Java2-TheCompleteReference–McGrawHillpublication.
2. Java - The Complete Reference, 7th Edition, By Herbert Schildt– McGraw Hillpublication.

Subject: Database Management Systems

References:

1. FundamentalsofDatabaseSystems,RamezElamassri, ShankantB.Navathe,7thEdition,Pearson, 2015
2. AnIntroductiontoDatabaseSystems, BipinDesai,GalgotiaPublications,2010.
3. IntroductiontoDatabaseSystem, CJDate,Pearson,1999.
4. DatabaseSystemsConcepts,AbrahamSilberschatz, HenryKorth,S.Sudarshan,6th Edition,McGraw Hill,2010.
5. DatabaseManagementSystems,RaghuRamaKrishnan andJohannesGehrke,3rd Edition,McGrawHill,2002

WebLinks:

1. https://www.classcentral.com/course/swayam-data-base-management-system-9914

2. https://www.mysql.com

3. https://onlinecourses.nptel.ac.in/noc21_cs04/preview

Subject:C#and.NetTechnologies

References:

1. "ProgramminginC#",E.Balagurusamy,4th Edition,TataMcGraw-Hill,2017.
2. “VisualBasic.NET”,ShirishChavan,3rd Edition,PearsonEducation,2009.
3. “ASP.NETandVB.NETWebProgramming”,MattJ.Crouch,Edition2012.

4. "ComputingwithC#andthe.NETFramework", ArthurGittleman,2nd Edition,Jones&BartlettPublishers,2011

WebLinks:

2. **https://dotnet.microsoft.com/en-us/apps/aspnet**
3. **https://www.w3schools.com/asp/webpages_intro.asp**

Subject:ComputerNetworks

References:

1. ComputerNetworks, AndrewS.Tanenbaum,5th Edition,PearsonEducation,2010.
2. DataandComputerCommunications,WilliamStallings,10th Edition,PearsonEducation, 2017.
3. DataCommunicationandComputerNetworks,BrijendraSingh, 3rd Edition,PHI,2012
4. DataCommunication&Network,Dr.Prasad,WileyDreamtech.

Weblinks:

1. **https://www.javatpoint.com/computer-network-tutorial**
2. **https://www.cs.vu.nl/~ast/CN5/**

Subject:PythonProgramming

References:

- ThinkPythonHowtoThinkLikeaComputerScientist,AllenDowneyetal.,2nd Edition,GreenTeaPress.Freelyavailableonline@https://www.greenteapress.com/thinkpython/thinkCSpy.pdf,2015.
- IntroductiontoPythonProgramming, GowrishankarSetal.,CRCPress,2019.
- PythonDataAnalytics:DataAnalysisandScienceUsingPandas,matplotlib,and thePythonProgrammingLanguage,FabioNelli,Apress®,2015
- AdvanceCorePythonProgramming, MeenuKohli,BPBPublications,2021.
- CorePYTHONApplicationsProgramming,WesleyJ.Chun,3rd Edition,PrenticeHall,2012.
- AutomatetheBoringStuff,AlSweigart,NoStarchPress,Inc,2015.
- DataStructuresandProgramDesignUsingPython,DMalhotraetal.,MercuryLearningandInformationLLC,2021

WebReferences:

http://www.ibiblio.org/g2swap/byteofpython/read/https://docs.python.org/3/tutorial/index.html

Subject:**MultimediaAnimation**

References:

2. TheCompleteReferenceHTMLandCSS, 5th Edition,ThomasAPowell, 2017
3. AnimationinHTML,CSS,andJavaScript,KirupaChinnathambi,CreatespaceIndependentPub,2013.

WebLinks:

1. https://www.w3.org/Style/CSS/current-work#CSS3
2. http://bedford-computing.co.uk/learning/cascading-style-sheets-css/

Subject:**OperatingSystemConcepts**

References:

1. OperatingSystemConcepts,Silberschatz"etal.,10th Edition,Wiley,2018.
2. OperatingSystemConcepts-EngineeringHandbook,GhoshPK, 2019.
3. UnderstandingOperatingSystems,McHoesAetal.,7th Edition,CengageLearning,2014.
4. Operating Systems-Internalsand DesignPrinciples,WilliamStallings,9thEdition,Pearson.
5. OperatingSystems– AConceptBasedApproach,Dhamdhere,3rd Edition,McGrawHillEducationIndia.
6. ModernOperatingSystems,AndrewSTanenbaum,4th Edition,Pearson.z

WebLinks:

1. **https://www.operating-system.org/betriebssystem/_english/os-links.htm**
2. **https://nptel.ac.in/courses/106106144**

Subject:**Design and Analysis of Algorithm**

Text Books:

1. Introduction to the Design and Analysis of Algorithms,

AnanyLevitin:2nd Edition,2009, Pearson,

2. Computer Algorithms/C++, Ellis Horowitz, Sat raj Sahni and Rajasekaran, 2ndEdition,2014, Universities Press.

Reference:

1. Introduction to Algorithms, Thomas H. Cormen, Charles E. Leiserson, Ronal. Rivest, Clifford Stein,
2. 3rd Edition, PHI.4Designand Analysis of Algorithms, Sridhar, Oxford (Higher Education)

Web Reference:

1. Algorithm Design and Analysis |My Mooc (my-mooc.com)
2. Design and analysis of algorithms-Course(nptel.ac.in)

Subject:Statistical Computing &R Programming

Text Books:

1. "The book of R: A first course in programming and statistics", Tillman M. Davies, San Francisco, 2016.
2. "Statistical computing using R software", Vishwas R. Pawgi, Nirali prakashan publisher, e1 edition, 2022.

Web References:

1. Home|spoken-tutorial.org
2. R-Course(swayam2.ac.in) BestRProgrammingCourses&Certifications[2023]|CourseraOnlineLearning

Subject:Software Engineering

Text Books:

1."Software Engineering" IanSomerville8thEdition, Pearson Education, 2009.

References Books:

1. WamanSJawadekar, “Software Engineering Principles and Practice”, Tata Mc Graw Hill.
2. Roger’s.Pressman,“APractitionersApproach”,7thEdition, McGraw-Hill,2007.PJalote,“AnIntegratedApproachtosoftwareEngineering”,NarosaPublication.

Web References:

1. Software Engineering - Course (nptel.ac.in)
2. Towards a super collaborative software engineering MOOC | Companion Proceedings of the 36th InternationalConference on Software Engineering(acm.org)

Subject:Cloud Computing

Text Books:

1"Mastering Cloud Computing-Foundations and Applications Programming” Raj Kumar Buyya, Christian Vecchiola,S.ThamaraiSelvi,Elsevier,2013

2 "Cloud Computing Bible”, BarrieSosinskyWiley-India,2010

3 “Essentials of Cloud Computing”, KChandrashekaranCRCPress,2015

4 “The Basics of Cloud Computing”, Derrick Rountree,IleanaCastrillo:Elsevier,2014

Web References:

1. Cloud computing - Course (nptel.ac.in)
2. LearnCloudComputingOnline|edX

Subject:Business Intelligence

Text Books:

1. “Business Intelligence and Analytic s: System for Decision Support”, Ramesh Sharda, Dursun Delen, Efraim Turban, J. E. Aronson, Ting-Peng Liang, David King,10th Edition, Pearson

Reference books:

1. Data Analytics: The Ultimate Beginner's Guide to Data Analytics Paperback – 12 November2017byEdwardMiz

Web Reference:

- Business Analytics For Management Decision -Course (nptel.ac.in)
- BestBusinessIntelligenceCourses&Certifications[2023]|CourseraOnlineLearning
- LearnwithMOOCsaboutBusinessIntelligence/BusinessIntelligence|FreeOnlineCourses |My Mooc(my-mooc.com)

Subject:**Digital Marketing**

TextBooks:

1 "DigitalMarketingStrategy:AnIntegratedApproach toOnlineMarketing"SimonKingsnorth.

2 "EmailMarketing Rules:HowtoWearaWhiteHat,ShootStraight,and WinHearts"byChad S.White3 "Content Inc.: How Entrepreneurs Use Content to Build Massive Audiences and Create RadicallySuccessful Businesses"byJoePulizzi

4 "MobileMarketing:HowMobileTechnologyisRevolutionizingMarketing,Communicationsand Advertising"byDanielRowles

5 "WebAnalytics2.0:TheArtofOnlineAccountabilityand ScienceofCustomerCentricity"byAvinashKaushik

Web Reference:

1.Digital Marketing - Course (swayam2.ac.in)

2. LearnDigitalMarketingWithOnlineCoursesandPrograms|edXLearn with MOOC about Digital Marketing and Marketing | Free Online Courses| My Mooc(my-mooc.com)

Subject:**Artificial Intelligence**

Text Books:

1. Artificial Intelligence A Modern Approach, Stuart Russel, PeterNorvig:2nd Edition, Pearson Education,2003

2. "Machine Learning", TomMitchell1st Edition, McGraw-Hill,2017

3. Artificial Intelligence, Elaine Rich, Kevin Knight, ShivashankarBNairTataMcGrawHill3rdedition,2013

Web Reference:

1.An Introduction to Artificial Intelligence -Course (nptel.ac.in)

2. ArtificialIntelligencePoweredMOOCs:ABriefSurvey|IEEEConferencePublication|IEEEXplore

3.TowardsAI-poweredpersonalizationinMOOClearning- PMC(nih.gov)

Subject:**PHP & MYSQL**

References

1. PHP & MySQL for Dynamic Web Sites- Fourth Edition By Larry Ullman.
2. Learning PHP, MySQL and Java Script By Robin Nixon–O"REILLY Publications
3.Programming PHP By Rasmus Lerdorf, Kevin Tatroe, Peter Mac Intyre

4.SAMSTeachYourselfPHPin24hours, Author: Matt Zandstra, Sams Publishing.

Web References:

1DatabaseManagement System - Course (nptel.ac.in)

2. BuildingWebApplicationsinPHP|MyMooc(my-mooc.com)

Subject:**Fundamentals of Data Science**

Text Books:

1. "Data Mining Concepts and Techniques" Jiawei Han and Micheline Kambar –Second Edition Elsevier Publications
2."Data Mining Techniques" Arun K Pujari 4th Edition, Universities Press
3.IntroductiontoDataMining, Pang-Ning Tan, Michael Steinbach, Vipin Kumar: Pearson Education, 2012.

4.Insightin to Data Mining–Theory and Practice, **.**K.P. Soman, Shyam Diwakar,V.AjayPHI5."Introduction to Data Mining", Pang-Ning Tan, Michael Steinbach, Vipin Kumar

Web References:

1. https://onlinecourses.swayam2.ac.in/cec19_cs01/preview
2. Learn Data Science With Online Courses and Programs| edX

Subject:**Mobile Application Development**

Text Books:

1 "Android Wireless Application Development", LaurenDarceyandShaneConder,PearsonEducation,2nded.(2011)
2 "ProfessionalAndroid2ApplicationDevelopment", RetoMeier Wiley India Pvt Ltd
3 "Beginning Android", Mark LMurphy Wiley India Pvt Ltd
4 Android Application Development All in one for Dummies by Barry Burd, Edition:I
5 Beginning Android 4 Application Development, Wei-Meng Lee, Wiley India (Wrox),

20136ProfessionalAndroid4ApplicationDevelopment,RetoMeier,

WileyIndia,(Wrox), 2012

Web References:

- Modern Application Development – Course (nptel.ac.in)
- Learn with MOOCs about Mobile Application Development |Free Online Courses |My Mooc (my-mooc.com)

Subject:Web Content Management System

Text Books:

1 Web Content Management: Systems, Features, and Best Practices 1st Edition by Deane Barker.
2 Content Management Bible(2ndEdition)2ndEditionbyBobBoiko.
3 Moodle for Learning Management System (LMS): A Practical and Visual Guidebook of Administrator and Instructor for Distance Education Paperback–October12,2020byJamesKoo
4 UsingJoomla:EfficientlyBuildandManageCustomWebsites2ndEditionbyRonSeverdia

Reading:

- https://onlinecourses.swayam2.ac.in/cec20_lb09/previewhttps://onlinecourses.swayam2.ac.in/cec20_lb09/previewhttps://onlinecourses.swayam2.ac.in/aic20_sp32/previewhttps://onlinecourses.swayam2.ac.in/ugc19_lb05/preview

Subject:DigitalComputerOrganization

Reference:

1. ComputerFundamentals,V Rajaraman.
2. ComputerSystemArchitecture(3rdedition)MorrisManoPHI.
3. ComputerOrganization–byV.CarlHamacher,Z.G.Vranesic,andS.G.Zaky,3rd Edition. McGraw Hill,
4. ComputerOrganization&Design,(3rdEdition)by –D.A.Patterson&J.L.Hennessy – Morgan Kaufmann Publishers (Elseviers)

WebReference:

1. NPTEL::Electronics&CommunicationEngineering - DigitalComputerOrganization
2. ADigitalDesignandComputerArchitectureMOOC|IEEEConferencePublication| IEEE Xplore

Subject:**ProblemSolvingusing C++**

Reference:

1. Object-OrientedProgrammingwithC++,ByM.T.Somashekara,D.S.Guru,H.S. Nagendraswamy, K. S. Manjunatha, PHI Learning Pvt. Ltd.
2. Object-OrientedProgrammingwithC++,ByEBalaguruswamy,TataMcGraw-Hill Publicationm Company Ltd.
3. TheC++ProgrammingLanguage,ByStroustroup,Bjarne,Addison Wesley.
4. HowToSolveItbyComputer-RGDromey,Prentice-HallInternational.

WebReference:

1. AnIntroductiontoProgrammingThroughC++-Course (nptel.ac.in)ProgramminginC++ - Course(nptel.ac.in)

Subject:**MathematicalandStatistical Computing**

Reference Books:

1. RalphP.Grimaldi,"DiscreteandCombinatorialMathematics",5thEditio n, Pearson Education, 2004.
2. KennethH.Rosen,"DiscreteMathematicsanditsApplications",6thEditio n, McGraw Hill, 2007.
3. JayantGanguly,"ATreatiseonDiscreteMathematicalStructures",Sangui ne Pearson, 2010.
4. D.S.MalikandM.K.Sen,"DiscreteMathematicalStructures:Theoryan d Applications", Thomson, 2004.
5. ThomasKoshy,"DiscreteMathematicswithApplications",Elsevier,2005,Repri nt 2008.
6. FundamentalsofMathematicalStatisticsbyGuptaandKapoor(Sultan Chand).
7. MathematicalStatisticsbyJohnFreund(PrenticeHallIndiaPvt.Ltd.)

WebReference:

1. ProbabilityandStatistics-Course(nptel.ac.in)
2. FoundationsofRSoftware- Course(nptel.ac.in)EngineeringStatistics-Course(nptel.ac.in)

Subject:**DataStructures**

Reference Books:

1. Data StructuresThroughC++(4thEdition) YashvantKanetkar.
2. DataStructuresandAlgorithmAnalysisinC++"byMarkAllenWeiss.
3. DatastructureandAlgorithmsusingC++bySachiNandanMohanty,PabitraKumar Tripathy.
4. DataStructuresandAlgorithmsinC++,SecondEditionbyAdamDrozdek.
5. ClassicDataStructurebyDebasisSamanta.

WebReference:

1. NPTEL::ComputerScienceandEngineering-DataStructuresandProgramMethodology
2. NPTEL
3. NPTEL::ComputerScienceandEngineering-NOC:Programming,DataStructuresandAlgorithms

Subject:ObjectorientedProgramming with Java

Reference Books:

1. D.S.Guru,M.T.Somashekara,&K.S.Manjunatha,ObjectOrientedProgramming with Java, PHI Learning, 2017.
2. EBalagurusamy,ProgrammingwithJAVA,TMH,2007
3. HerbertSchildt,Java7,The CompleteReference,,8thEdition,2009

WebReference:

1. ProgrammingInJava- Course (nptel.ac.in)
2. ObjectOrientedProgrammingwithJava(iitkgp.ac.in)3.15112020133759-JDBC1.pdf (ap.gov.in)
3.

Subject:OperatingSystems

Reference Books:

1. Operating System Concepts – 5th edition by Abraham Silber schartz and Peter Galvin, McGraw Hill,2000
2. ModernOperatingSystems–AndrewSTanenbaum,Prentice Hall
3. OperatingSystems:InternalsandDesignPrinciples,WilliamStallings,Prentice Hall
4. SumitabhaDas:UNIX–ConceptsandApplications,4thEdition,TataMcGrawHill, 2006.

1. NPTEL::ComputerScienceandEngineering–OperatingSystems
2. OperatingSystem- Course(nptel.ac.in)OperatingSystemFundamentals - Course(nptel.ac.in)

Appendix 2: Accounted Audited Statements for the Last 3 years

SBRR MAHAJANA FIRST GRADE COLLEGE
(AUTONOMOUS) (UG & PG)
JAYALAKSHMIPURAM , MYSORE
RECEIPTS AND PAYMENT ACCOUNTS FOR THE YEAR ENDING 31-03-2021

	RECEIPTS	AMOUNT
	REVENUE INCOME :	
TO	FEES COLLECTED	10,55,01,440.00
"	OTHER RECEIPTS	1,61,574.00
"	INTEREST INCOME	25,557.00
	OTHER RECEIPTS :	
"	FIXED DEPOSIT WITHDRAWN	3,04,16,776.62
"	OTHER ADVANCES RECOVERED	41,05,528.00
"	STAFF LOAN RECOVERED	3,34,500.00
"	STUDENT PROJECT ACCOUNT	27,500.00
"	SUNDRY CREDITORS	83,32,461.00
"	PROVISION DURING THE YEAR	5,23,46,922.00
"	SUNDRY DEBTORS	14,39,889.00
"	AUTONOMOUS EXP RECOVERABLE-UOM	1,00,277.00
"	TDS BY OTHERS	2,00,638.71
"	LADIES HOSTEL RECEIPTS	
"	MANAGEMENT CONCLAVE	1,01,186.93
"	OTHERS FUNDS	3,30,000.00
"	EXAMINATION RECEIPTS/EXPENSES AU	37,18,160.00
	BRANCH/DIVISION	
"	MES FGC ADVANCE	1,66,62,511.61
"	MES PGC ADVANCE	1,33,15,599.75
"	MAHAJANA PUBLIC SCHOOL CBSE	-
	CAPITAL EXPENDITURE	
"	FURNITURE AND FIXTURES	2,48,176.00
"	OFFICE EQUIPMENTS	48,732.00
"	BUILDING RENOVATION	2,870.00
	CAPITAL FUND	1,00,000.00
	OPENING BALANCE	
"	CASH IN HAND	13,663.00
"	CASH AT BANK	86,00,589.55
		24,61,34,552.17

	PAYMENTS	AMOUN
	REVENUE EXPENDITURE :	
BY	SALARIES & ALLOWANCES	6,75,22,5
"	RATES, TAXES & FEES	16,76,4
"	ADMINISTRATIVE EXPENSES	90,67,5
"	FEST, CONFERENCE & PROGRAMME	5,74,1
"	FINANCIAL CHARGES	1,28,7
"	PRINTING & STATIONERY	3,10,3
"	REPAIRS & MAINTENANCE	29,52,6
"	STUDENT WELFARE EXPENSES	13,13,5
"	REMITTANCE TO UOM	83,08,32
	OTHER PAYMENTS :	
"	FIXED DEPOSIT MADE	1,32,70,23
"	OTHER ADVANCES	56,45,44
"	STAFF LOAN	1,82,87
"	TDS BY OTHERS	56,93
"	PROVISION PAID	4,36,54,74
"	SUNDRY CREDITORS	90,20,00
"	SUNDRY DEBTORS	11,23,74
"	AUTONOMOUS EXP RECOVERABLE-UOM	50,50
"	EXAMINATION RECEIPTS/EXPENSES AU	46,46,15
"	MANAGEMENT CONCLAVE	3,13
"	LADIES HOSTEL RECEIPTS	
"	STUDENT PROJECT ACCOUNT	1,69,110
"	OTHER FUNDS	4,23,200
"	RENTAL ADVANCE	55,000
	BRANCH/DIVISION	
"	MES PGC ADVANCE	3,19,55,190.
"	MAHAJANA PUBLIC SCHOOL CBSE	1,49,453.
"	MES FGC ADVANCE	1,99,94,560.
	CAPITAL EXPENDITURE	
"	COMPUTER EQUIPMENT	28,078.
"	LIBRARY BOOKS	22,487.
"	OFFICE EQUIPMENTS	61,306.
"	FURNITURE & FIXTURES	31,871.
"	LAB EQUIPMENTS	63,720.
"	GENERATOR & UPS	48,732.
"	ELECTRONIC EQUIPMENTS	3,91,825.
"	CCTV	1,33,528.
"	BUILDING	10,83,897.
		-
		-
	CLOSING BALANCE	
"	CASH IN HAND	95,761.0
"	CASH AT BANK	2,19,18,750.5
		24,61,34,552.17

for L.R.PRAKASH & Co.,
Chartered Accountants
(V.SRINIVASA)
PARTNER
M.No.:200624
F.Reg.No.:002733S

L.R.PRAKASH & Co. MYSORE 570004 CHARTERED ACCOUNTANTS

Honorary Secretary
MAHAJANA EDUCATION SOCIETY
Jayalakshmipuram
Mysore - 570 012

TREASURER
MAHAJANA EDUCATION SOCIETY
Jayalakshmipuram
Mysore - 570 012

PRESIDENT
MAHAJANA EDUCATION SOCIETY
Jayalakshmipuram

SBRR MAHAJANA FIRST GRADE COLLEGE
(AUTONOMOUS) (UG & PG)
JAYALAKSHMIPURAM , MYSORE

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-03-2021

EXPENDITURE

PREV.YEAR	REVENUE EXPENDITURE:	Sch No	AMOUNT
1,77,69,711.00	ADMINISTRATIVE EXPENSES	1	90,67,585.03
21,29,991.00	FEST, CONFERENCE & PROGRAMME	2	5,74,106.00
99,088.00	FINANCIAL CHARGES	3	1,28,737.25
9,23,757.00	PRINTING & STATIONERY	4	3,10,365.00
43,77,897.00	RATES, TAXES & FEES	5	16,76,477.00
70,35,785.00	REPAIRS & MAINTENANCE	6	29,52,618.00
8,92,32,148.00	SALARIES & ALLOWANCES	7	6,75,22,567.00
60,72,310.00	STUDENT WELFARE EXPENSES	8	13,13,545.00
1,06,14,589.00	REMITTANCE TO UOM	9	83,08,320.00
48,67,867.00	DEPRECIATION	X	39,70,415.00
-	EXCESS OF INCOME OVER EXPENDITURE		98,63,835.72
14,31,23,143.00			10,56,88,571.00

PREV.YEAR	REVENUE INCOME :	Sch No	AMOUNT
13,87,04,338.00	FEES COLLECTED	11	10,55,01,440.00
8,39,651.00	OTHER RECEIPTS	12	1,61,574.00
29,35,181.00	INTEREST INCOME	13	25,557.00
6,43,973.00	EXCESS OF EXPENDITURE OVER INCOME		-
14,31,23,143.00			10,56,88,571.00

T. Vijayalakshmi Kudlikar

Honorary Secretary
MAHAJANA EDUCATION SOCIETY
Jayalakshmipuram
Mysore - 570 012

for L.R.PRAKASH & Co.
Chartered Accountants

L.R.PRAKASH & Co. MYSORE 570004 CHARTERED ACCOUNTANTS

(G V.SRINIVASA)
PARTNER
M.No.:200624
F.Reg.No.:002733S

TREASURER
MAHAJANA EDUCATION SOCIETY
Jayalakshmipuram
Mysore - 570 012

PRESIDENT
MAHAJANA EDUCATION SOCIETY
Jayalakshmipuram
Mysore - 570 012

SBRR MAHAJANA FIRST GRADE COLLEGE
(AUTONOMOUS) (UG & PG)
JAYALAKSHMIPURAM , MYSORE
BALANCE SHEET AS AT 31-03-2021

PREV. YEAR	LIABILITES	SCH NO	AMOUNT
12,66,23,573.00	CAPITAL FUND:	I	13,65,87,408.72
6,05,945.00	OTHER FUNDS	II	4,69,184.93
	CURRENT LIABILITES:		
55,000.00	LOANS, ADVANCES & DEPOSITS	III	-
	OUTSTANDING EXPENSES:		
20,03,832.00	PROVISIONS	IV	1,06,96,006.00
9,78,011.00	SUNDRY CREDITORS	V	2,87,637.00
13,02,66,361.00			14,80,40,237.00

PREV. YEAR	ASSETS	SCH.NO	AMOUNT
86,14,252.55	CASH IN HAND & AT BANKS	VI	2,20,14,511.55
18,300.00	SECURITY DEPOSITS	VII	18,300.00
2,48,67,598.99	FIXED DEPOSITS & INVESTMENTS	VIII	77,21,058.00
43,21,817.51	LOANS & ADVANCES	IX	64,41,780.80
2,68,37,063.00	FIXED ASSETS	X	2,44,32,314.00
4,00,649.00	SUNDRY DEBTORS	XI	84,500.00
6,52,06,679.66	BRANCH/DIVISION	XII	8,73,27,772.59
13,02,66,361.00			14,80,40,237.00

T. Vijayalakshmi Murthy

Honorary Secretary
MAHAJANA EDUCATION SOCIETY
Jayalakshmipuram
Mysore - 570 012

for L.R.PRAKASH & Co.,
Chartered Accountants

L.R.PRAKASH & Co. MYSORE 570004 CHARTERED ACCOUNTANTS

(G.V.SRINIVASA)
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F.Reg.No.:002733S

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Jayalakshmipuram
Mysore - 570 012

PRESIDENT
MAHAJANA EDUCATION SOCIETY
Jayalakshmipuram
Mysore - 570 012

SBRR MAHAJANA FIRST GRADE COLLEGE (AUTONOMOUS) (UG AND PG)
JAYALAKSMIPURAM, MYSORE
RECEIPTS AND PAYMENT ACCOUNTS FOR THE YEAR ENDING 31-03-2022

	RECEIPTS	AMOUNT		PAYMENTS	AMOUNT
	REVENUE INCOME :			**REVENUE EXPENDITURE :**	
TO	FEES COLLECTED	13,24,82,232	BY	SALARIES & ALLOWANCES	6,63,76,486
"	OTHER RECEIPTS	1,54,243	"	RATES, TAXES & FEES	15,06,161
"	INTEREST INCOME	6,68,871	"	ADMINISTRATIVE EXPENSES	51,14,117
			"	FEST, CONFERENCE & PROGRAMME	1,05,539
	OTHER RECEIPTS :		"	FINANCIAL CHARGES	54,204
"	FIXED DEPOSIT WITHDRAWN	77,93,988	"	PRINTING & STATIONERY	3,26,388
"	OTHER ADVANCES RECOVERED	86,07,274	"	REPAIRS & MAINTENANCE	1,43,25,563
"	STAFF LOAN RECOVERED	2,59,997	"	STUDENT WELFARE EXPENSES	9,22,489
"	SUNDRY CREDITORS	1,00,51,633	"	REMITTANCE TO UOM	59,05,450
"	PROVISION DURING THE YEAR	6,22,42,466	"	CONTINGENCY RESERVE FUND	1,32,48,223
"	SUNDRY DEBTORS	51,48,838			
"	OTHERS FUNDS	94,486		**OTHER PAYMENTS :**	
	BRANCH/DIVISION		"	FIXED DEPOSIT MADE	74,430
"	MES FGC ADVANCE	1,42,58,696	"	OTHER ADVANCES	33,59,369
"	MES PGC ADVANCE	53,68,780	"	STAFF LOAN	3,13,000
"	MAHAJANA PUBLIC SCHOOL CBSE	2,76,289	"	PROVISION PAID	6,50,48,123
			"	SUNDRY CREDITORS	1,01,42,029
	CAPITAL EXPENDITURE		"	SUNDRY DEBTORS	52,09,578
"	COMPUTER EQUIPMENT	1,62,950	"	OTHER FUNDS	45,880
"	LIBRARY BOOKS	63,684		**BRANCH/DIVISION**	
"	W I P	4,64,549	"	MES PGC ADVANCE	2,64,49,112
			"	MAHAJANA PUBLIC SCHOOL CBSE	1,26,836
	OTHER FUNDS			MES FGC ADVANCE	3,53,07,340
	CONTINGENCY RESERVE FUND(CR)	1,32,48,223			
				CAPITAL EXPENDITURE	
			"	COMPUTER EQUIPMENT	46,23,662
			"	LIBRARY BOOKS	63,684
			"	OFFICE EQUIPMENTS	2,64,213
			"	GENERATOR & UPS	3,19,968
			"	ELECTRONIC EQUIPMENTS	41,080
	OPENING BALANCE		"	CCTV	24,780
"	CASH IN HAND	95,761		**CLOSING BALANCE**	
"	CASH AT BANK	2,19,18,751	"	CASH IN HAND	72,121
			"	CASH AT BANK	2,39,91,886
		28,33,61,710			28,33,61,710

President
Mahajana Education Society (R)
Jayalakshmipuram,
Mysore-570 012

T. Vijayalakshmi Vasalidhar
Honorary Secretary
MAHAJANA EDUCATION SOCIETY
Jayalakshmipuram
Mysore - 570 012

TREASURER
Mahajana Education Society (R)
Jayalakshmipuram, Mysore-12

For L.R. PRAKASH & CO.
Chartered Accountants
V. SRINIVASAN
PARTNER
M.No.200624
F Reg. No. 002733S

L.R. PRAKASH & CO.
MYSORE 570004
CHARTERED ACCOUNTANTS

SBRR MAHAJANA FIRST GRADE COLLEGE (AUTONOMOUS) (UG AND PG)
JAYALAKSMIPURAM, MYSORE
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-03-2022

EXPENDITURE

PREV.YEAR	REVENUE EXPENDITURE:	Sch No	AMOUNT
90,67,585	ADMINISTRATIVE EXPENSES	1	51,14,117
5,74,106	FEST, CONFERENCE & PROGRAMME	2	1,05,539
1,28,737	FINANCIAL CHARGES	3	54,204
3,10,365	PRINTING & STATIONERY	4	3,26,388
16,62,853	RATES, TAXES & FEES	5	15,06,161
29,52,618	REPAIRS & MAINTENANCE	6	1,43,25,563
6,75,22,567	SALARIES & ALLOWANCES	7	6,63,76,486
13,13,545	STUDENT WELFARE EXPENSES	8	9,22,489
83,21,944	REMITTANCE TO UOM	9	59,05,450
-	CONTINGENCY RESERVE FUND		1,32,48,223
39,70,415	DEPRECIATION	X	67,29,399
98,63,836	EXCESS OF INCOME OVER EXPENDITURE		1,86,91,327
10,56,88,571			13,33,05,346

PREV.YEAR	REVENUE INCOME :	Sch No	AMOUNT
10,55,01,440	FEES COLLECTED	11	13,24,82,232
1,61,574	OTHER RECEIPTS	12	1,54,243
25,557	INTEREST INCOME	13	6,68,871
10,56,88,571			13,33,05,346

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Mysore-570 012

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TREASURER
Mahajana Education Society (R)
Jayalakshmipuram, Mysore-12

For L.R. PRAKASH & Co.
Chartered Accountants

CA. V. SRINIVASA
PARTNER
M.No.200824
F.Reg. No. 002733S

L.R. PRAKASH & CO. MYSORE 570004 CHARTERED ACCOUNTANTS

SBRR MAHAJANA FIRST GRADE COLLEGE (AUTONOMOUS) (UG AND PG)
JAYALAKSMIPURAM, MYSORE
BALANCE SHEET AS AT 31-03-2022

PREV. YEAR	LIABILITES	SCH NO	AMOUNT
13,65,87,409	CAPITAL FUND:	I	15,52,78,736
4,69,185	OTHER FUNDS	II	1,37,66,014
	OUTSTANDING EXPENSES:		
1,06,96,006	PROVISIONS	III	78,90,349
2,87,637	SUNDRY CREDITORS	IV	1,97,241
	-		-
14,80,40,237			17,71,32,340

PREV. YEAR	ASSETS	SCH.NO	AMOUNT
2,20,14,512	CASH IN HAND & AT BANKS	V	2,40,64,007
18,300	SECURITY DEPOSITS	VI	19,800
77,21,058	FIXED DEPOSITS & INVESTMENTS	VII	-
64,41,781	LOANS & ADVANCES	VIII	13,07,619
2,44,32,314	FIXED ASSETS	IX	2,23,49,119
84,500	SUNDRY DEBTORS	X	84,500
8,73,27,772	BRANCH/DIVISION	XI	12,93,07,295
14,80,40,237			17,71,32,340

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Mahajana Education Society (R)
Jayalakshmipuram, Mysore-12

For L.R. PRAKASH & Co.,
Chartered Accountants

(S.V. SRINIVASA)
PARTNER
M.No.200624
F Reg. No. 002733S

L.R. PRAKASH & CO. MYSORE 570004 CHARTERED ACCOUNTANTS

SBRR MAHAJANA FIRST GRADE COLLEGE (AUTONOMOUS) (UG AND PG)

JAYALAKSMIPURAM, MYSORE

RECEIPTS AND PAYMENT ACCOUNTS FOR THE YEAR ENDING 31-03-2023

	RECEIPTS	AMOUNT		PAYMENTS	AMOUNT
	REVENUE INCOME :			**REVENUE EXPENDITURE :**	
TO	FEES COLLECTED	13,80,76,926	BY	SALARIES & ALLOWANCES	7,51,25,206
"	OTHER RECEIPTS	18,727	"	RATES, TAXES & FEES	22,58,558
"	INTEREST INCOME	8,64,798	"	ADMINISTRATIVE EXPENSES	1,81,07,779
			"	FEST, CONFERENCE & PROGRAMME	4,44,118
	OTHER RECEIPTS :		"	FINANCIAL CHARGES	25,131
"	FIXED DEPOSIT WITHDRAWN	-	"	PRINTING & STATIONERY	4,59,601
"	OTHER ADVANCES RECOVERED	1,13,75,317	"	REPAIRS & MAINTENANCE	60,62,341
"	STAFF LOAN RECOVERED	3,47,760	"	STUDENT WELFARE EXPENSES	42,59,465
"	SUNDRY CREDITORS	2,20,06,744	"	REMITTANCE TO UOM	62,73,595
"	PROVISION DURING THE YEAR	6,02,80,530	"	CONTINGENCY EXPENSES	1,38,07,693
"	SUNDRY DEBTORS	-			
"	OTHERS FUNDS	1,15,589		**OTHER PAYMENTS :**	
"	CONTINGENCY RESERVE FUND	1,38,07,693	"	FIXED DEPOSIT MADE	-
	BRANCH/DIVISION	-	"	OTHER ADVANCES	1,30,50,847
"	MES FGC ADVANCE	2,65,78,512	"	STAFF LOAN	3,69,200
"	MES PGC ADVANCE	1,40,13,377	"	PROVISION PAID	6,80,87,786
"	MAHAJANA PUBLIC SCHOOL CBSE	-	"	SUNDRY CREDITORS	2,21,55,907
			"	SUNDRY DEBTORS	-
			"	OTHER FUNDS	13,704
					-
				BRANCH/DIVISION	
			"	MES PGC ADVANCE	2,15,17,514
			"	MAHAJANA PUBLIC SCHOOL CBSE	7,000
				MES FGC ADVANCE	2,41,68,657
				CAPITAL EXPENDITURE	
			"	COMPUTER EQUIPMENT	27,96,766
			"	LIBRARY BOOKS	69,771
			"	OFFICE EQUIPMENTS	1,05,489
			"	GENERATOR & UPS	2,43,586
			"	ELECTRONIC EQUIPMENTS	9,76,870
			"	CCTV	1,95,137
			"	FIRE HYDRANT SYSTEMS	2,30,100
			"	FURNITURE	4,25,903
			"	LAB EQUIPMENTS	2,43,857
			"	ELEVATOR	11,800
			"	BUILDING WIP	24,59,848
	OPENING BALANCE				
"	CASH IN HAND	72,121		**CLOSING BALANCE**	
"	CASH AT BANK	2,39,91,886	"	CASH IN HAND	2,04,684
			"	CASH AT BANK	2,73,92,067
		31,15,49,980			31,15,49,980

PRESIDENT
HAJANA EDUCATION SOCIETY
Jayalakshmipuram
Mysore -570 012

T. Vijayalakshmireddy
Honorary Secretary
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Jayalakshmipuram
Mysore - 570 012

TREASURER
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Mysore - 570 012

for L.R.PRAKASH & Co,
Chartered Accountants

(G.V.SRINIVASA)
PARTNER
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F Reg.No.:002733S

L.R.PRAKASH & Co. MYSORE 570004 CHARTERED ACCOUNTANTS

SBRR MAHAJANA FIRST GRADE COLLEGE (AUTONOMOUS) (UG AND PG)
JAYALAKSMIPURAM, MYSORE
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31-03-2023

EXPENDITURE

PREV.YEAR	REVENUE EXPENDITURE:	Sch No	AMOUNT
51,14,117	ADMINISTRATIVE EXPENSES	1	1,81,07,779
1,05,539	FEST, CONFERENCE & PROGRAMME	2	4,44,118
54,204	FINANCIAL CHARGES	3	25,131
3,26,388	PRINTING & STATIONERY	4	4,59,601
15,06,161	RATES, TAXES & FEES	5	22,58,558
1,43,25,563	REPAIRS & MAINTENANCE	6	60,62,341
6,63,76,486	SALARIES & ALLOWANCES	7	7,51,25,206
9,22,489	STUDENT WELFARE EXPENSES	8	42,59,465
59,05,450	REMITTANCE TO UOM	9	62,73,595
1,32,48,223	CONTINGENCY RESERVE FUND		1,38,07,693
67,29,399	DEPRECIATION	X	53,51,893
1,86,91,327	EXCESS OF INCOME OVER EXPENDITURE		67,85,071
13,33,05,346			13,89,60,451

PREV.YEAR	REVENUE INCOME :	Sch No	AMOUNT
13,24,82,232	FEES COLLECTED	11	13,80,76,926
1,54,243	OTHER RECEIPTS	12	18,727
6,68,871	INTEREST INCOME	13	8,64,798
13,33,05,346			13,89,60,451

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SBRR MAHAJANA FIRST GRADE COLLEGE (AUTONOMOUS) (UG AND PG)			
JAYALAKSMIPURAM, MYSORE			
BALANCE SHEET AS AT 31-03-2023			
PREV. YEAR	**LIABILITES**	**SCH NO**	**AMOUNT**
15,52,78,736	CAPITAL FUND:	I	16,20,63,806
1,37,66,014	OTHER FUNDS	II	2,76,75,592
	OUTSTANDING EXPENSES:		
78,90,349	PROVISIONS	III	83,093
1,97,241	SUNDRY CREDITORS	IV	48,078
			-
17,71,32,340			18,98,70,569
PREV. YEAR	**ASSETS**	**SCH.NO**	**AMOUNT**
2,40,64,007	CASH IN HAND & AT BANKS	V	2,75,96,750
19,800	SECURITY DEPOSITS	VI	19,800
-	FIXED DEPOSITS & INVESTMENTS	VII	-
13,07,619	LOANS & ADVANCES	VIII	30,04,589
2,23,49,119	FIXED ASSETS	IX	2,47,56,353
84,500	SUNDRY DEBTORS	X	84,500
12,93,07,295	BRANCH/DIVISION	XI	13,44,08,577
17,71,32,340			18,98,70,569

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