

The Heritage Institution
KANYA MAHA VIDYALAYA, JALANDHAR
(An Autonomous College)

Session 2024-25



Minutes of 9th Meeting of Board of Studies

FACULTY OF COMPUTER SCIENCE & I.T.

Date: July 13, 2024

Time: 11:00 a.m.

Online through: Zoom Cloud Meeting

KANYA MAHA VIDYALAYA, JALANDHAR
(UGC Autonomous College)
PG Department of Computer Science & Applications

Minutes of the Ninth Meeting of Board of Studies held on July 13, 2024

The Ninth Meeting of the Board of Studies was held through the zoom cloud meeting.

Date: Monday 13.07.2024

Time: 11:00 a.m.

Venue: Online Meeting using Zoom Cloud Meetings.

Following Members of the Board of Studies have attended the meeting and the detailed minutes are listed below:

Members of BOS:

1.	Dr. Suman Khurana (Head) PG Department of Computer Science & Applications Kanya Maha Vidyalaya, Jalandhar	Chairperson
2.	Dr. Sandeep Sharma (Professor and Head) Department of Computer Engineering & Technology Guru Nanak Dev University, Amritsar(University Nominee)	Member
3.	Dr. Kawaljeet Singh (Director) University Computer Centre Punjabi University, Patiala (Outside Parent University Nominee)	Member
4.	Dr. A. L. Sangal (Professor and Head) Department of Computer Science and Engineering Dr B R Ambedkar National Institute of Technology, Jalandhar (Outside Parent University Nominee)	Member
5.	Mr. Gaurav Chief Technical Officer O7 Services, Jalandhar(Industry Expert)	Member
6.	Ms. Vibhuti Malhotra Senior QA , APEXA Corp , USA (Alumni Nominee)	Member
7.	Dr. Pardeep Arora (Assoc. Prof.) Department of Computer Science & Applications, KMV	Member
8.	Dr. Ravi Khurana (Assoc. Prof.) Department of Computer Science & Applications, KMV	Member
9.	Dr. Nitin Khanna (Assistant Prof.) Department of Computer Science & Applications, KMV	Member
10.	Ms. Vandana Sharma (Assistant Prof.) Department of Computer Science & Applications, KMV	Member
11.	Ms. Nidhi Bhatia (Assistant Prof.) Department of Computer Science & Applications, KMV	Member

Agenda Items:

Item Comp. Sc. 9: 2024: 1

To confirm the Proceedings of Eighth meeting of Board of Studies held on April 10, 2023 and to discuss the Action Taken Report of the said meeting.

Item: Comp. Sc. 9: 2024:2

To discuss the proposed syllabi of following Post Graduate classes under Credit based Continuous Evaluation Grading System:

- Master of Science (Computer Sc.) Semester I – IV for the Session 2024-25
(Annexure A-1)
- Master of Science (Information & Network Security) Semester I – II for the Session 2024-25.
(Annexure A-2)

Item: Comp. Sc.9: 2024:3

To discuss the proposed syllabi of PG Diploma in Computer Applications for the batch in the session 2024-25 under Credit Based Continuous Evaluation Grading System.

- Post Graduate Diploma in Computer Applications Semester I - II (Annexure B)

Item: Comp. Sc. 9: 2024:4

To discuss the proposed DSCs of following Programs - batch 2024-28 under (12+4 System of Education under NEP 2020) for Sem I and Sem II under Credit Based Continuous Evaluation Grading System – Session 2024-25:

- Bachelor of Computer Applications (Hons.) (Annexure C-1)
- Bachelor of Science (Information Technology) Hons. (Annexure C-2)

(Note: Important Guidelines and general allocation regarding SECs , VALs, MDCs etc. will be followed as per the norms of Parent University)

Item: Comp. Sc. 9: 2024:5

To discuss the proposed syllabi of following Under Graduate courses Semester III - IV under Credit based Continuous Evaluation Grading System for the session 2024-25 , and semester V-VI under Continuous Evaluation System for the session 2024-25:

- Bachelor of Computer Applications Semester III - IV under Credit based Continuous Evaluation Grading System (Annexure D-1)
- Bachelor of Science (Information Technology) Semester III - IV under Credit based Continuous Evaluation Grading System (Annexure D-2)
- Bachelor of Computer Applications Semester V- VI under Continuous Evaluation Grading System. (Annexure D-3)
- Bachelor of Science (Information Technology) Semester V -VI under Continuous Evaluation Grading System. (Annexure D-4)

Item: Comp. Sc. 9: 2024:6

To discuss the proposed syllabi of the Diploma class for the batch in the session 2024-25 under Credit Based Continuous Evaluation Grading System.

- Diploma in Computer Applications Semester I - II (Annexure E)

Item: Comp. Sc. 9: 2024:7

- To discuss the proposed syllabi of additional / optional paper for Specialization subject of Data Science domain for B.Sc.(IT) Semester I till IV and BCA Semester I till IV under Credit Based Continuous Evaluation Grading System for the session 2024-25.

(Annexure F-1)

- To discuss the proposed syllabi of additional / optional paper for Specialization subject of Data Science domain for B.Sc. (IT) Semester V - VI and BCA Semester V - VI under Continuous Evaluation System for the session 2024-25. (Annexure F-2)

Item: Comp. Sc. 9: 2024:8

To discuss the proposed syllabi of Computer Science / Computer Applications (Vocational) as an elective subject in B.A./B.Sc. for the session 2024-25:

- Bachelor of Arts/ Bachelor of Science (FYIP MSc CS) - Computer Science Semester I - II under Credit Based Continuous Evaluation Grading System under NEP - 2020 for the session 2024-25. (Annexure G-1)
- Bachelor of Arts/ Bachelor of Science - Computer Applications (vocational) Semester I - II under Credit Based Continuous Evaluation Grading System under NEP - 2020 for the session 2024-25. (Annexure G-2)

(Note: Important Guidelines and general allocation regarding SECs , VALs, MDCs etc. will be followed as per the norms of Parent University)

- Bachelor of Arts/ Bachelor of Science - Computer Science Semester III – IV under Credit Based Continuous Evaluation Grading System. (Annexure G-3)
- Bachelor of Arts/ Bachelor of Science - Computer Applications (Vocational) Semester III – IV under Credit Based Continuous Evaluation Grading System. (Annexure G-4)
- Bachelor of Arts/ Bachelor of Science - Computer Science Semester V-VI under Continuous Evaluation System. (Annexure G-5)
- Bachelor of Arts/ Bachelor of Science - Computer Applications (vocational) Semester V-VI under Continuous Evaluation. (Annexure G-6)

Item: Comp. Sc. 9: 2024: 9

To discuss and approve the syllabi of Computer as a subject for inter departmental courses for the session 2024-25:

- ID Course – Basics of Computer Applications as choice-based course for PG students of other

disciplines

(Annexure H-1)

- Master of Science (Chemistry) Semester I - Computer for Chemists (Annexure H-2)
- Master of Science (Zoology) Semester I - Computer Programming and Data Processing (Annexure H-3)
- Master of Science (Economics) Semester I -Computer Applications for Economists-I or Semester II - Computer Applications for Economists-II (Annexure H-4)
- Master of Commerce (Hons.) FYIP Semester I – Digital Fluency (Annexure H-5)
- Master of Commerce Semester IV - E-Commerce (Annexure H-6)
- Master of Science (Mathematics) FYIP - Semester II - Computer Fundamentals and Introduction to C (Annexure H-7)
- Master of Science (Hons) Mathematics – FYIP Semester III -Python Programming & Semester IV - Foundation of Statistical Computing (Annexure H-8)
- Bachelor of Business Administration Hons. Semester I - Computer Applications for Business -I (Annexure H-9)
- Bachelor of Science (Home Science) Hons. Semester I - Computer Basics & Semester II - Computer Applications for Home Scientists. (Annexure H-10)
- Bachelor of Science (Honours) Medical Laboratory Technology (Semester - II) – Fundamentals of Data Analytics (Annexure H-11)
- Bachelor of Vocation Sem I - Computer Applications under different Vocational Programs namely: B.Voc. (Animation), B.Voc. (Retail Mgt), B.Voc.(NEH) Sem I (Annexure H-12)
- B.Voc. (NEH) Sem V- Computer (Internet Applications) & B.Voc. (NEH) Sem VI- Computer (Database Concepts) (Annexure H-13)
- Bachelor of Vocation (Hospitality and Tourism) & Bachelor of Business Administration (Airlines and Airport Management) Semester II - Applications of Computer in Hospitality and Tourism (Annexure H-14)
- B.Voc(MSP) Sem V- Introduction to Python Programming (Annexure H-15)
- Any other Computer related Course of other departments - need based, will be entertained and intimated .

Item: Comp. Sc. 9: 2024:10

To discuss the proposed syllabi of Certificate Courses of the department for the session 2024-25 under Credit Based Continuous Evaluation Grading System.

- Data Analytics with Power BI and Tableau (Annexure I-1)
- Creative Design (Annexure I-2)

Item: Comp. Sc. 9: 2024:11

To discuss the results of the Programs run by the department in the Session 2023-24.

Item: Comp. Sc. 9: 2024:12

To intimate BOS members about the existing teaching methodologies and innovative methods followed and to seek their suggestions for further improvement.

Item: Comp. Sc.9: 2024:13

To discuss the outcome of stated courses and programs.

Item: Comp. Sc. 9: 2024:14

To discuss and approve the proposed list of examiners and evaluators for all the courses/programs - Computer classes/subjects for Session 2024-25.

Item: Comp. Sc. 9: 2024:15

To discuss the proposed activities and plans of department for the Academic session 2024-25

The Heritage Institution

KANYA MAHA VIDYALAYA, JALANDHAR

(An Autonomous College)

FACULTY OF COMPUTER SCIENCE & I.T.

The Meeting started with a series of morning greetings to one another. Dr. Suman Khurana welcomed each member, extended her gratitude for their consent and time. She assured that Team KMV will continue working for the betterment of its students in the best possible ways. The members were curious about implementation of NEP 2020 for Sem I and II classes. Dr. Suman Khurana conveyed that the team has planned all curriculum keeping in view NEP 2020 implementation , and very politely obtained their consent to start with the Agenda Items of Ninth Meeting of BOS to discuss the schemes and syllabi of all programs and Courses in detail.

Item: Comp. Sc.9: 2024: 1

To confirm the Proceedings of Eighth meeting held on July 10, 2023 and to discuss the Action Taken Report of the said meeting.

Agenda No.	Agenda Item	Decision Taken in Meeting	Action Taken
Item: Comp. Sc. 8: 2023:2	To discuss and approve the syllabi of following classes - <ul style="list-style-type: none"> • M.Sc. (CS) Sem I to IV • M.Sc. (IANS) Sem I to II for the session 2023-24 under credit based continuous Evaluation grading system	Experts discussed the syllabi in entirety, They were happy to see the requirement of one publication. Scheme/syllabi of MSc(IANS) Sem III and IV was also discussed for Gap year candidates under Continuous Evaluation System.	The course schemes were approved and implemented.
Item: Comp. Sc. 8: 2023:3	To discuss and approve the syllabi of Post Graduate Diploma in Computer Applications for the session 2023-24 under credit based continuous Evaluation grading system	It was suggested to add the Minor Project .	The suggested changes were made and approved.

Item: Comp. Sc. 8: 2023:4	<p>To discuss and approve the syllabi of following programs for the session 2023-24 under Credit based Continuous Evaluation Grading System:</p> <ul style="list-style-type: none"> • BCA Sem I - II • BSc (IT) Sem I - II 	<p>It was suggested to take the Course on Numerical and Statistical Methods to Sem III instead of Sem II be added. And separate credits were allotted for Lab courses both for BCA and BSc(IT) Programs.</p>	<p>The suggested changes were made and the approved syllabi of BCA, and BSc (IT) for Sem I and II were implemented.</p>
Item: Comp. Sc. 8: 2023:5	<p>To discuss and approve the syllabi of following programs for the session 2023-24 under Continuous Evaluation System:</p> <ul style="list-style-type: none"> • BCA Sem III - VI • BSc (IT) Sem III - VI 	<ul style="list-style-type: none"> • BCA Syllabi was thoroughly examined, changes were made in BCAL-4111 Data Structures, BCAL- 4113 Internet Applications, BCAL-5111 Computer Networks, BCAL- 5112 Course title changed – syllabus framed for Full Stack Development and BCAL-6111 Computer Graphics with some additions and deletions. • BSc(IT) Course BITL-3112 shifted from Sem IV to Sem III and BITL- 4112 shifted from Sem III to Sem IV, each with some additions and deletions. Course contents of BITL- 5111 Computer Networks , BITL- 5112 Web Technologies and BITL- 6111 Computer Graphics were changed. 	<p>The approved syllabi were implemented.</p>
tem: Comp. Sc. 8: 2023:6	<p>To discuss and approve the syllabi of DCA Sem I and II under Credit based Continuous Evaluation Grading System.</p>	<p>It was discussed to add the Course on Minor Project.</p>	<p>The approved syllabi were implemented.</p>

Item: Comp. Sc. 8: 2023:7	<p>To discuss and approve the syllabus of additional / optional paper - Specialization subject:</p> <ul style="list-style-type: none"> • B.Sc. (IT) Semester I and II under Credit based Continuous evaluation grading system and Sem III-VI under Continuous Evaluation System. • BCA Sem I and II under Credit based Continuous evaluation grading system and Sem III-IV under Continuous Evaluation System. 	<p>Syllabi was thoroughly discussed for Sem I and II under Credit based Continuous evaluation grading system and Sem III-VI under Continuous Evaluation System.</p>	<p>The approved syllabi was implemented.</p>
Item: Comp Sc.8: 2023:8	<p>To discuss and approve the syllabi of Computer Science / Computer Applications Sem I and Sem II as an elective subject of BA/BSc for the session 2023-24 under Credit based Continuous Evaluation grading System , and Sem III to Sem VI under Continuous Evaluation System.</p>	<p>The syllabi of Sem I and Sem II was discussed under Credit based Continuous evaluation grading system and Sem III-VI under Continuous Evaluation System II – both for Computer Sc. and Comp. Appls. Some changes were suggested for BARM-3134/BCSM-3134/BECM-3134 ,BARM-4124/BECM-4124/BECM- 4124 and BARM-5124/BECM-5124/BECM-5124.</p>	<p>The approved syllabi were implemented.</p>
Item: Comp Sc.8: 2023:9	<p>To discuss and approve the syllabi of ID Course – Basics of Computer Applications as an ID course for interdisciplinary PG Programs -Sem I /II and Computer papers of other Commerce /Science Programs - Session 2023-24 under credit based continuous Evaluation grading system.</p> <p>To discuss and approve the syllabi of Computer as a subject for inter</p>	<p>The syllabi were discussed and approved</p>	<p>The approved syllabi were implemented.</p>

	departmental PG and UG courses –Sem I and II for the session 2023-24 .		
Item: Comp Sc.8: 2023:10	To discuss and approve the syllabi of Computer as a subject for inter departmental PG and UG courses Sem III /IV for the session 2023-24 under continuous Evaluation	The syllabi were discussed, some changes were suggested in contents that were made.	The approved syllabi were implemented.
Item: Comp Sc. 8: 2023:11	<p>To discuss and approve the syllabus of Certificate Courses:</p> <ul style="list-style-type: none"> •Data Management and Care • Native App Development using Kotlin Android <p>for the session 2023-24 under Credit based Continuous Evaluation Grading system.</p>	The experts were happy to know the existence of such certificate courses.	The approved syllabi were implemented.
Item: Comp Sc. 8: 2023:12	To intimate the BOS members about the results of the Programs run by the department.	The members were happy and highly satisfied.	Esteemed members appreciated the faculty.
Item: Comp Sc. 8: 2023:13	To intimate the BOS members about existing teaching methodologies and innovative practices followed.	The members were very happy and satisfied to know about innovative methods adopted	Esteemed members appreciated the faculty.
Item: Comp Sc. 8:2023: 14	To discuss the outcome of stated courses and all the course schemes of running programs.	BOS members were satisfied, they approved.	Esteemed members were appreciative.

Item: Comp Sc. 8: 2023: 15	To discuss and approve list of proposed paper setters, examiners and evaluators for all the classes Sem I to VI- all courses/ Subjects mentioned above for Session 2023-24.	List of Paper setters, examiners and evaluators was approved.	List of Paper setters, examiners and evaluators was sent to the COE office.
Item: Comp Sc. 8: 2023: 16	To discuss the activities and plans of Department for Session 2023-24.	BOS members were satisfied, they approved.	Esteemed members were appreciative. The Proposed activities have been carried out.

Proceedings: The Proceedings of eighth meeting of BOS had been approved, the experts gave their consent via email. The chairperson however, again put up the summary of the proceedings and the house members gave their consent.

Item Comp. Sc. 9: 2024:2

To discuss the proposed syllabi of following Post Graduate classes under Credit based Continuous Evaluation Grading System:

- Master of Science (Computer Sc.) Semester I – IV for the Session 2024-25
(Annexure A-1)
- Master of Science (Information & Network Security) Semester I – II for the Session 2024-25.
(Annexure A-2)

Proceedings:

- Master of Science (Computer Sc.) Semester I – IV for the Session 2024 was discussed and passed.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO YEAR DEGREE PROGRAMME

Master of Science (Computer Science)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-25 -- Batch 2024-26)

Master of Science (Computer Science) Semester - I										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
MCSL-1111	Advanced Data Structures	C	3-1-0	3-1-0	4	100	80	-	20	3
MCSL-1112	Advanced Computer Architecture	C	3-1-0	3-1-0	4	100	80	-	20	3
MCSL-1113	Network Security Practices	C	3-1-0	3-1-0	4	100	80	-	20	3
MCSL-1114	Discrete Structures	C	3-1-0	3-1-0	4	100	80	-	20	3
MCSL-1115	Artificial Intelligence	C	4-0-0	4-0-0	4	100	80	-	20	3
MCSP-1116	Lab on Advanced Data Structures	C	0-0-4	0-0-2	2	50	-	40	10	3
	** Student can opt any one of the following Interdisciplinary courses as per choice	IDE			4	100	80		20	3
	Total				22	550				

**** List of Interdisciplinary Courses as per student's own choice and decision (Not compulsory):**

Option 1 - Effective Communication Skills (IDEC-1101)

Option 2 –Basics of Music (Vocal) (IDEM-1362)

Option 3 - Human Rights and Constitutional Duties (IDEH-1313)

Option 4 - Indian Heritage: Contribution to the world (IDEW-1275)

Note: C – Compulsory, IDE-Interdisciplinary Elective Courses

****Grade points of these courses will not be included in the SGPA/CGPA of Semester/ Programme.**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO YEAR DEGREE PROGRAMME

Master of Science (Computer Science)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-25 -- Batch 2024-26)

Master of Science (Computer Science) Semester - II										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
MCSL-2111	Theory of Computation	C	3-1-0	3-1-0	4	100	80	-	20	3
MCSL-2112	Image Processing	C	3-1-0	3-1-0	4	100	80	-	20	3
MCSL-2113	Advanced Programming Concepts	C	4-0-0	4-0-0	4	100	80	-	20	3
MCSL-2114	Cloud Computing	C	4-0-0	4-0-0	4	100	80	-	20	3
MCSL-2115	Distributed Database Systems	C	3-1-0	3-1-0	4	100	80	-	20	3
MCSP-2116	Lab on Advanced Programming Concepts	C	0-0-4	0-0-2	2	50	-	40	10	3
	Total				22	550				

Note:

C – Compulsory

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO YEAR DEGREE PROGRAMME

Master of Science (Computer Science)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-25 -- Batch 2023-25)

Master of Science (Computer Science) Semester – III										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		

MCSL-3111	Data Mining and Data Warehousing	C	4-0-0	4-0-0	4	100	80	-	20	3
MCSL-3112	System Software	C	4-0-0	4-0-0	4	100	80	-	20	3
MCSL-3113	Advanced Web Technologies	C	4-0-0	4-0-0	4	100	80	-	20	3
MCSL-3114	Design and Analysis of Algorithms	C	4-0-0	4-0-0	4	100	80	-	20	3
MCSL-3115	Software Testing	C	4-0-0	4-0-0	4	100	80	-	20	3
MCSP-3116	Lab on Advanced Web Technologies	C	0-0-6	0-0-3	3	100	-	80	20	3
	** Student can opt any one of the following Interdisciplinary courses	IDE			4	100	80		20	3
	Total				23	600				

**** List of Interdisciplinary Courses**

Option 1 - Effective Communication Skills (IDEC-3101)

Option 2 – Basics of Music (Vocal) (IDEM-3362)

Option 3 - Human Rights and Constitutional Duties (IDEH-3313)

Option 4 - Indian Heritage: Contribution to the world (IDEW-3275)

Note:

C – Compulsory, IDE-Interdisciplinary optional Courses

****Grade points of these courses will not be included in the SGPA/CGPA of Semester/ Programme.**

NOTE: The ID Course opted in Semester I, can't be opted in Semester III

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO YEAR DEGREE PROGRAMME

Master of Science (Computer Science)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-25 -- Batch 2023-25)

Master of Science (Computer Science) Semester – IV

Master of Science (Computer Science) Semester – IV										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
MCSL-4111	Advanced Software Engineering	C	3-1-0	3-1-0	4	100	80	-	20	3
MCSL-4112	Microprocessor and Its Applications	C	3-1-0	3-1-0	4	100	80	-	20	3
MCSL-4113	Foundation of Statistical Computing	C	4-0-0	4-0-0	4	100	80	-	20	3
MCSP-4114	Lab on Foundation of Statistical Computing	C	0-0-6	0-0-3	3	100	-	80	20	3
MCSD-4115	Dissertation	C	0-0-12	0-0-6	6	200	-	160	40	6
	Total				21	600				

Note:

C - Compulsory

(Approved syllabus attached herewith as Annexure A-1)

- Master of Science (Information & Network Security) Semester I – II for the Session 2024-25 was discussed and passed.

Master of Science (Information & Network Security) Semester I – II

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO YEAR DEGREE PROGRAMME

Master of Science (Information and Network Security)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-25 -- Batch 2024-26)

Master of Science (Information and Network Security) Semester - I										
Course Code	Course Title	Course Type	Hours Per Week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
MINL-1111	Computer Networks	C	4-0-0	4-0-0	4	100	80	-	20	3
MINL-1112	Network Protocols	C	3-1-0	3-1-0	4	100	80	-	20	3
MINL-1113	Network Operating System	C	4-0-0	4-0-0	4	100	80	-	20	3
MINL-1114	Information Security and Threats	C	4-0-0	4-0-0	4	100	80	-	20	3
MINL-1115	Object Oriented Programming	C	4-0-0	4-0-0	4	100	80	-	20	3
MINP-1116	Lab on NOS and Object Oriented Programming	C	0-0-4	0-0-2	2	50	-	40	10	3
	** Student can opt any one of the following Interdisciplinary courses	IDE			4	100	80	-	20	3
	Total				22	550				

**** List of Interdisciplinary Courses**

Option 1 - Effective Communication Skills (IDEC-1101)

Option 2 – Basics of Music (Vocal) (IDEM-1362)

Option 3 - Human Rights and Constitutional Duties (IDEH-1313)

Option 4 - Indian Heritage: Contribution to the world (IDEW-1275)

Note:

C – Compulsory, IDE-Interdisciplinary Elective Courses

****Grade points of these courses will not be included in the SGPA/CGPA of Semester/ Programme.**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO YEAR DEGREE PROGRAMME

Master of Science (Information and Network Security)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-25 -- Batch 2024-26)

Master of Science (Information and Network Security) Semester – II										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
			L-T-P	L-T-P	Total	Total	Ext.			CA
							L	P		
MINL-2111	Network Planning, Analysis and Performance	C	4-0-0	4-0-0	4	100	80	-	20	3
MINL-2112	Network Security Practices	C	3-1-0	3-1-0	4	100	80	-	20	3
MINL-2113	Computer Forensic Fundamentals	C	4-0-0	4-0-0	4	100	80	-	20	3
MINL-2114	Secure Code Development	C	3-1-0	3-1-0	4	100	80	-	20	3
MINL-2115	Mobile Application Development and Security	C	4-0-0	4-0-0	4	100	80	-	20	3
MINP-2116	Lab on Mobile Application Development and Security	C	0-0-4	0-0-2	2	50	-	40	10	3
	Total				22	550				

Note:

C - Compulsory

(Approved syllabus attached herewith as Annexure A-2)

The House approved Item: Comp. Sc. 9: 2024:2

Item Comp. Sc. 9: 2024:3

To discuss the proposed syllabi of PG Diploma in Computer Applications for the session 2023-24 under Credit Based Continuous Evaluation Grading System.

- Post Graduate Diploma in Computer Applications Semester I - II **(Annexure B)**

Proceedings: Post Graduate Diploma in Computer Applications Semester I - II for the Session 2024 was discussed and passed with 40 credits (Semester I = 20 and Semester II = 20)

KANYA MAHA VIDYALAYA, JALANDHAR (AUTONOMOUS)

**SCHEME AND CURRICULUM OF EXAMINATIONS OF ONE YEAR POST GRADUATE
DIPLOMA**

Post Graduate Diploma in Computer Applications

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-25)

Post Graduate Diploma in Computer Applications Semester - I										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits		Marks				Examination time (in Hours)
				L-T-P	Total	Total	Th	P	CA	
PCAL-1111	PC Computing-I (Back Office Operations)	C	4-0-0	4-0-0	4	100	80	-	20	3
PCAL-1112	Internet and Web Designing	C	4-0-0	4-0-0	4	100	80	-	20	3
PCAL-1113	Fundamentals of Computer and Operating System	C	4-0-0	4-0-0	4	100	80	-	20	3
PCAL-1114	Programming in Python	C	4-0-0	4-0-0	4	100	80	-	20	3
PCAP-1115	Lab on PC Computing-I and Web Designing	C	0-0-4	0-0-2	2	50	-	40	10	3
PCAP-1116	Lab on Programming in Python	C	0-0-4	0-0-2	2	50	-	40	10	3
TOTAL CREDITS				20		500				

Note: C- Compulsory Course

KANYA MAHA VIDYALAYA, JALANDHAR (AUTONOMOUS)

**SCHEME AND CURRICULUM OF EXAMINATIONS OF ONE YEAR POST GRADUATE
DIPLOMA**

Post Graduate Diploma in Computer Applications

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-25)

Post Graduate Diploma in Computer Applications Semester – II										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits		Marks				Examination time (in Hours)
				L-T-P	Total	Total	Th	P	CA	
PCAL-2111	Optional Course	O	4-0-0	4-0-0	4	100	80	-	20	3
PCAL-2112	Network Concepts	C	4-0-0	4-0-0	4	100	80	-	20	3
PCAL-2113	Database Management System	C	4-0-0	4-0-0	4	100	80	-	20	3
PCAP-2114	Lab on PC Computing-II (Professional DTP)	C	0-0-4	0-0-2	2	50	-	40	10	3
PCAP-2115	Lab on Database Management System	C	0-0-4	0-0-2	2	50	-	40	10	3
PCAD-2116	Minor Project	C	0-0-8	0-0-4	4	100	-	80	20	3
TOTAL CREDITS				20		500				

List of Optional PCAL-2111:

Option (i): Introduction to Cyber Security

Option (ii): E-Commerce

Note:

C- Compulsory Course

O-Optional Course

(Approved syllabus attached herewith as Annexure B)

House approved Item: Comp. Sc. 9: 2024:3

Item: Comp. Sc. 9: 2024:4

To discuss the proposed DSCs of following Programs - batch 2024-28 under (12+4 System of Education under NEP 2020) for Sem I and Sem II under Credit Based Continuous Evaluation Grading System – Session 2024-25:

- Bachelor of Computer Applications (Hons.) (Annexure C-1)
- Bachelor of Science (Hons.) (Information Technology) (Annexure C-2)

(Note: Important Guidelines and general allocation regarding SECs , VALs, MDCs etc. will be followed as per the norms of Parent University)

Proceedings:

- As per the Guidelines of NEP 2020, 4 Years BCA Degree has been introduced w.e.f. Session 2024-25 with 55 Credits (29 credits in Semester I and 26 Credits in Semester II). The proposed syllabus of **Bachelor of Computer Applications (Hons.) Semester I – II** was discussed by the house and they approved the proposed Syllabus. The exit levels have been defined as follows:

Exit Option 1: NHEQF Level 7: After successful completion of 3 Years (6 Semesters)

Exit Option 2: NHEQF Level 8: After successful Completion of 4 Years (8 Semesters)

The list of Discipline Specific Courses (DSC) with credit allocations and Skill Development Courses (SEC) are defined below:

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR YEAR DEGREE PROGRAMME (UNDER
NEP 2020)

Bachelor of Computer Applications (Honours)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session 2024-25)

Bachelor of Computer Applications (Honours) Semester – I										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
BCAL-1421 / BCAL-1031/ BCAL-1431	Punjabi (Compulsory) / ¹ Basic Punjabi/ ² Punjab History and Culture	C	4-0-0	4-0-0	4	100	80	-	20	3
BCAM-1102	Communication Skills in English-I	AEC	3-0-2	3-0-1	4	100	50	30	20	3+3
BCAL-1113	Digital Electronics	DSC	4-0-0	4-0-0	4	100	80	-	20	3

BCAL-1114	Introduction to Programming – C	DSC	4-0-0	4-0-0	4	100	80	-	20	3
BCAL-1115	Introduction to Computers and Information Technology	DSC	4-0-0	4-0-0	4	100	80	-	20	3
BCAM-1116	Introduction to the Internet	SEC	2-0-2	2-0-1	3	75	40	20	15	3+3
BCAP-1117	Lab on Programming – C	DSC	0-0-4	0-0-2	2	50	-	40	10	3
BCAP-1118	Lab on Office Package	DSC	0-0-4	0-0-2	2	50	-	40	10	3
SECF-1492	*Foundation Course	VAC	2-0-0	2-0-0	2	50	40	-	10	1
	Total				29	725				

Note:

C – Compulsory, DSC – Discipline Specific Course, SEC – Skill Enhancement Course

AEC – Ability Enhancement Course, VAC – Value Added Course

¹ **Special course in lieu of Punjabi (Compulsory)**

² **Special course in lieu of Punjabi (Compulsory) for those students who are not domicile of Punjab.**

***Credits/Grades Points of these courses will not be added in total, only grades will be provided.**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR YEAR DEGREE PROGRAMME (UNDER NEP 2020)

Bachelor of Computer Applications (Honours)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-25)

Bachelor of Computer Applications (Honours) Semester – II										
Course Code	Course Title	Cour se Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
			L-T-P	L-T-P	Total	Total	Ext.			CA
							L	P		
BCAL-2421/ BCAL-2031/ BCAL-2431	Punjabi (Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	4-0-0	4-0-0	4	100	80	-	20	3

BCAM-2102	Communication Skills in English-II	MDC	3-0-2	3-0-1	4	100	50	30	20	3+3
BCAL-2113	Computer Architecture	DSC	4-0-0	4-0-0	4	100	80	-	20	3
BCAL-2114	Database Management System	DSC	4-0-0	4-0-0	4	100	80	-	20	3
BCAL-2115	Introduction to Object Oriented Programming-I	DSC	4-0-0	4-0-0	4	100	80	-	20	3
BCAP-2116	Lab on Database Management System	DSC	0-0-4	0-0-2	2	50	-	40	10	3
BCAP-2117	Lab on Object Oriented Programming - I	DSC	0-0-4	0-0-2	2	50	-	40	10	3
AECD-2161	*Drug Abuse: Problem, Management and Prevention (Compulsory)	VAC	2-0-0	2-0-0	2	50	40	-	10	3
	Total				26	650				

Note:

C – Compulsory, DSC – Discipline Specific Course, SEC – Skill Enhancement Course

MDC – Multi Disciplinary Course, VAC – Value Added Course

¹ Special course in lieu of Punjabi (Compulsory)

² Special course in lieu of Punjabi (Compulsory) for those students who are not domicile of Punjab.

* Credits/Grades Points of these courses will not be added in total, only grades will be provided.

(Approved syllabus attached herewith as Annexure C-1)

- As per the Guidelines of NEP 2020, 4 Years B.Sc. (IT) Degree has been introduced w.e.f Session 2024-25 with 55 Credits (29 credits in Semester I and 26 Credits in Semester II). The proposed syllabus of **Bachelor of Science (Hons.) (Information Technology) Semester I – II** under credit based continuous evaluation grading system (under NEP 2020) for the session 2024-25 was discussed by the house and they approved the proposed Syllabus. The exit levels have been defined as follows:

Exit Option 1: NHEQF Level 7: After successful completion of 3 Years (6 Semesters)

Exit Option 2: NHEQF Level 8: After successful Completion of 4 Years (8 Semesters)

The list of Discipline Specific Courses (DSC) with credit allocations and Skill Development Courses (SEC) are defined below:

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR YEAR DEGREE PROGRAMME
 (Under NEP 2020)

Bachelor of Science (Honours) (Information Technology)
(Under Credit Based Continuous Evaluation Grading System)
Session 2024-25

Bachelor of Science (Honours) (Information Technology) Semester – I										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
BITL-1421 / BITL-1031/ BITL-1431	Punjabi (Compulsory) / 1 Basic Punjabi/ 2Punjab History and Culture	C	4-0-0	4-0-0	4	100	80	-	20	3
BITM-1102	Communication Skills in English-I	AEC	3-0-2	3-0-1	4	100	50	30	20	3+3
BITL-1113	Digital Electronics	DSC	4-0-0	4-0-0	4	100	80	-	20	3
BITL-1114	Introduction to Programming – C	DSC	4-0-0	4-0-0	4	100	80	-	20	3
BITL-1115	Fundamentals of Computers	DSC	4-0-0	4-0-0	4	100	80	-	20	3
BITM-1116	Introduction to the Internet	SEC	2-0-2	2-0-1	3	75	40	20	15	3+3

BITP-1117	Lab on Programming – C	DSC	0-0-4	0-0-2	2	50	-	40	10	3
BITP-1118	Lab on Office Package	DSC	0-0-4	0-0-2	2	50	-	40	10	3
SECF-1492	*Foundation Course	VAC	2-0-0	2-0-0	2	50	40	-	10	3
	Total				29	725				

Note:

C – Compulsory, DSC – Discipline Specific Course, SEC – Skill Enhancement Course

AEC – Ability Enhancement Course, VAC – Value Added Course

¹ Special course in lieu of Punjabi (Compulsory)

² Special course in lieu of Punjabi (Compulsory) for those students who are not domicile of Punjab.

*Credits/Grades Points of these courses will not be added in total, only grades will be provided.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR YEAR DEGREE PROGRAMME
(Under NEP 2020)

Bachelor of Science (Honours) (Information Technology) (Under Credit Based Continuous Evaluation Grading System) Session 2024-25

Bachelor of Science (Honours) (Information Technology) Semester – II										
Course Code	Course Title	Cour se Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
			L-T-P	L-T-P	Total	Total	Ext.			CA
							L	P		
BITL-2421/ BITL-2031/ BITL-2431	Punjabi (Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	4-0-0	4-0-0	4	100	80	-	20	3

BITM-2102	Communication Skills in English-II	MDC	3-0-2	3-0-1	4	100	50	30	20	3+3
BITL-2113	Computer Networks	DSC	3-1-0	3-1-0	4	100	80	-	20	3
BITL-2114	Database Management System	DSC	3-1-0	3-1-0	4	100	80	-	20	3
BITL-2115	Introduction to Object Oriented Programming-I	DSC	4-0-0	4-0-0	4	100	80	-	20	3
BITP-2116	Lab on Database Management System	DSC	0-0-4	0-0-2	2	50	-	40	10	3
BITP-2117	Lab on Object Oriented Programming - I	DSC	0-0-4	0-0-2	2	50	-	40	10	3
AECD-2161	*Drug Abuse: Problem, Management and Prevention (Compulsory)	VAC	2-0-0	2-0-0	2	50	40	-	10	3
	Total				26	650				

Note:

**C – Compulsory, DSC – Discipline Specific Course, SEC – Skill Enhancement Course
MDC – Multi Disciplinary Course, VAC – Value Added Course**

¹ Special course in lieu of Punjabi (Compulsory)

² Special course in lieu of Punjabi (Compulsory) for those students who are not domicile of Punjab.

***Credits/Grades Points of these courses will not be added in total, only grades will be provided.**

(Approved syllabus attached herewith as Annexure C-2)

The House approved Item: Comp. Sc. 9: 2024:4

Item: Comp. Sc. 9: 2024:5

To discuss the proposed syllabi of following Under Graduate courses Semester III - IV under Credit based Continuous Evaluation Grading System for the session 2024-25, and semester V-VI under Continuous Evaluation System for the session 2024-25:

- Bachelor of Computer Applications Semester III - IV under Credit based Continuous Evaluation Grading System. **(Annexure D-1)**

- Bachelor of Science (Information Technology) Semester III - IV under Credit based Continuous Evaluation Grading System. **(Annexure D-2)**
- Bachelor of Computer Applications Semester V- VI under Continuous Evaluation Grading System. **(Annexure D-3)**
- Bachelor of Science (Information Technology) Semester V-VI under Continuous Evaluation Grading System. **(Annexure D-4)**

Proceedings:

- The proposed syllabus of **Bachelor of Computer Applications Semester III- IV** under credit based Continuous Evaluation Grading System for the session 2024-25 with 46 credits (24 credits in Semester III and 22 credits in Semester IV) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

Bachelor of Computer Applications

Credit Based Continuous Evaluation Grading System (CBCEGS)

Session 2024-25

Bachelor of Computer Applications Semester – III										
Course Code	Course Title	Cour se Type	Hours per week	Credit		Marks				Examinati on Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
BCAL-3111	Foundation of Data Science	C	4-0-0	4-0-0	4	100	80	-	20	3
BCAL-3112	Database Management System-II	C	4-0-0	4-0-0	4	100	80	-	20	3
BCAL-3113	Computational Problem Solving	C	4-0-0	4-0-0	4	100	80	-	20	3
BCAL-3114	Numerical Methods and Statistical Techniques	C	4-0-0	4-0-0	4	100	80	-	20	3
BCAP-3115	Lab on Computational Problem Solving	C	0-0-4	0-0-2	2	50	-	40	10	3

BCAP-3116	Lab on Database Management System-II	C	0-0-4	0-0-2	2	50	-	40	10	3
AECE - 3221	* Environmental Studies (Compulsory)	AC	1-0-2	1-0-1	2	50	30	10	10	3
SECP - 3512	* Personality Development	AC	2-0-0	2-0-0	2	50	40	-	10	3
	Total				24	600				

Note:

C - Compulsory

AC - Audit Course

*** Marks of these courses will not be added in total marks and only grades will be provided.**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

Bachelor of Computer Applications

Credit Based Continuous Evaluation Grading System (CBCEGS)

Session 2024-25

Bachelor of Computer Applications Semester- IV										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
			L-T-P	L-T-P	Total	Total	Ext.			CA
							L	P		
BCAL-4111	Data Structures	C	4-0-0	4-0-0	4	100	80	-	20	3
BCAL-4112	Information Systems	C	4-0-0	4-0-0	4	100	80	-	20	3
BCAL-4113	Internet Applications	C	4-0-0	4-0-0	4	100	80	-	20	3
BCAL-4114	Applied and Discrete Mathematics	C	4-0-0	4-0-0	4	100	80	-	20	3
BCAP-4115	Lab on Data Structures	C	0-0-4	0-0-2	2	50	-	40	10	3

BCAP-4116	Lab on Internet Applications	C	0-0-4	0-0-2	2	50	-	40	10	3
SECS- 4522	* Social Outreach	AC	2-0-0	2-0-0	2	50	-	40	10	1
	Total				22	550				

Note:

C - Compulsory

AC - Audit Course

* Marks of these courses will not be added in total marks and only grades will be provided.

(Approved syllabus attached herewith as Annexure D-1)

- The proposed syllabus of **Bachelor of Science (Information Technology) Semester III - IV** under credit based Continuous Evaluation Grading System for the session 2024-25 with 46 credits (24 Credits in Semester III and 22 Credits in Semester IV) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

Bachelor of Science (Information Technology)

Credit Based Continuous Evaluation Grading System (CBCEGS)

Session 2024-25

Bachelor of Science (Information Technology) Semester – III										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
BITL-3111	Computational Problem Solving	C	4-0-0	4-0-0	4	100	80	-	20	3
BITL-3112	Advanced Database Management System	C	4-0-0	4-0-0	4	100	80	-	20	3

BITL-3113	System Analysis and Design	C	4-0-0	4-0-0	4	100	80	-	20	3
BITL-3114	Numerical Methods and Statistical Techniques	C	4-0-0	4-0-0	4	100	80	-	20	3
BITP-3115	Lab on Computational Problem solving	C	0-0-4	0-0-2	2	50	-	40	10	3
BITP-3116	Lab on Advanced Database Management System	C	0-0-4	0-0-2	2	50	-	40	10	3
AECE-2221	*Environmental Studies (Compulsory)	AC	1-0-2	1-0-1	2	50	30	10	10	3+3
SECP - 3512	* Personality Development	AC	2-0-0	2-0-0	2	50	40	-	10	3
	Total				24	600				

Note:

C – Compulsory

AC- Audit Course

*** Marks of these courses will not be added in total marks and only grades will be provided**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE-YEAR DEGREE PROGRAMME

Bachelor of Science (Information Technology)

Credit Based Continuous Evaluation Grading System (CBCEGS)

Session 2024-25

Bachelor of Science (Information Technology) Semester – IV						
Course Code	Course Title		Hours per week	Credit	Marks	Examination Time

		Course Type	L-T-P	L-T-P	Total	Total	Ext.		CA	(in Hours)
							L	P		
BITL-4111	Internet Applications	C	4-0-0	4-0-0	4	100	80	-	20	3
BITL-4112	Applied and Discrete Structures	C	4-0-0	4-0-0	4	100	80	-	20	3
BITL-4113	Object Oriented Programming- II	C	4-0-0	4-0-0	4	100	80	-	20	3
BITL-4114	E-Business	C	4-0-0	4-0-0	4	100	80	-	20	3
BITP-4115	Lab on Internet Applications	C	0-0-4	0-0-2	2	50	-	40	10	3
BITP-4116	Lab on Object Oriented Programming - II	C	0-0-4	0-0-2	2	50	-	40	10	3
SECS – 4522	*Social Outreach	AC	2-0-0	2-0-0	2	50	-	40	10	1
	Total				22	550				

Note:

C – Compulsory

AC- Audit Course

*** Marks of these courses will not be added in total marks and only grades will be provided**

(Approved syllabus attached herewith as Annexure D-2)

- The proposed syllabus of **Bachelor of Computer Applications Semester V-VI** under Continuous Evaluation System for the session 2024-25 was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

Bachelor of Computer Applications

Session 2024-25 Bachelor of Computer Applications Semester – V				
Course Code	Course Name	Course	Marks	

		Type	Total	Ext.		CA	Examination Time (in Hours)
				L	P		
BCAL-5111	Computer Networks	C	75	60	-	15	3
BCAL-5112	Web Technologies (Full Stack Development)	C	75	60	-	15	3
BCAL-5113	Operating System	C	75	60	-	15	3
BCAL-5114	Object Oriented Programming -II	C	75	60	-	15	3
BCAP-5115	Lab on Object Oriented Programming- II	C	50	-	40	10	3
BCAP-5116	Lab on Full Stack Development	C	50	-	40	10	3
SECJ-5551	* Job Readiness Course	AC	25	20	-	5	1
	Total		400				

Note:

C-Compulsory

AC - Audit Course

*** Marks of these courses will not be added in total marks and only grades will be provided**

**** An Internship/MOOCs of not less than 30 hours (either online or offline mode) in either of Semester V or Semester VI.**

The students will have to submit the Certificate of Completion to the department (No marks or credits – only completion required).

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

Bachelor of Computer Applications

Session 2024-25

Bachelor of Computer Applications Semester – VI							
Course Code	Course Name	Course Type	Marks				Examination Time (in Hours)
			Total	Ext.		CA	
				L	P		
BCAL-6111	Computer Graphics	C	75	60	-	15	3
BCAL-6112	Software Engineering	C	75	60	-	15	3
BCAP-6113	Lab on Computer Graphics	C	50	-	40	10	3
BCAD-6114	Project	C	300	-	240	60	3
	Total		500				

Note:

C-Compulsory

**** An Internship/MOOCs of not less than 30 hours (either online or offline mode) in either of Semester V or Semester VI**

The students will have to submit the Certificate of Completion to the Department (No marks or credits – only completion required).

(Approved syllabus attached herewith as Annexure D-3)

- The proposed syllabus of **Bachelor of Science (Information Technology) Semester V-VI** under Continuous Evaluation System for the session 2024-25 was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

Bachelor of Science (Information Technology) Session 2024-25

Bachelor of Science (Information Technology) Semester – V				
Course Code	Course Name	Course	Marks	Examination

		Type	Total	Ext.		CA	Time (in Hours)
				L	P		
BITL-5111	Computer Networks	C	100	80	-	20	3
BITL-5112	Web Technologies	C	100	80	-	20	3
BITL-5113	Operating System	C	100	80	-	20	3
BITP-5114	Lab on Web Technologies	C	50	-	40	10	3
BITP-5115	Lab on Operating System	C	50	-	40	10	3
SECJ-5551	* Job Readiness Course	AC	25	20	-	05	1
	Total		400				

Note:

C – Compulsory

*** Marks of these courses will not be added in total marks and only grades will be provided**

**** An Internship/MOOCs of not less than 30 hours (either online or offline mode) in either of Semester V or Semester VI**

The students will have to submit the Certificate of Completion to the department (No marks or credits – only completion required).

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

Bachelor of Science (Information Technology)

Session 2024-25

Bachelor of Science (Information Technology) Semester – VI							
Course Code	Course Name	Course Type	Marks			Examination Time (in Hours)	
			Total	Ext.			CA
				L	P		

BITL-6111	Computer Graphics	C	75	60	-	15	3
BITL-6112	Digital Marketing	C	75	60	-	15	3
BITP-6113	Lab on Computer Graphics	C	50	-	40	10	3
BITD-6114	Project	C	200	-	160	40	3
	Total		400				

Note:

C - Compulsory

**** An Internship/MOOCs of not less than 30 hours (either online or offline mode) in either of Semester V or Semester VI**

The students will have to submit the Certificate of Completion to the department (No marks or credits – only completion required).

(Approved syllabus attached herewith as Annexure D-4)

The House approved Item: Comp. Sc. 9: 2024:5

Item: Comp. Sc. 9: 2024:6

To discuss the proposed syllabi of the Diploma class for the batch in the session 2024-25 under Credit Based Continuous Evaluation Grading System.

- Diploma in Computer Applications Semester I - II **(Annexure E)**

Proceedings: The proposed syllabus of Diploma in Computer Applications under Credit based Continuous Evaluation Grading System for the session 2024-25 with 36 credits (18 Credits in Semester I and 18 Credits in Semester II) was discussed by the house and they approved the proposed Syllabus with the following changes:

Program Name / Course code / Name of the Course	Content Added	Content Deleted
Diploma in Computer Applications Semester – I/ DCAL–1112/ PC COMPUTING–I (BACK-OFFICE OPERATIONS)	-	UNIT–I Introduction to Windows: Parts of window screen (Desktop, window, icons), start menu, Taskbar settings, application & document window, anatomy of a window (Title bar, minimize, maximize button, control box, scroll bars), Window explorer (copying, moving, deleting files, folder, creating folders), About desktop icons (recycle bin, my computer), shortcut creation.
Diploma in Computer Applications Semester – II/ DCAP–2114/ LAB ON CREATIVE DESIGN	GIMP: Free Select, Foreground Select, , Fuzzy Select Inkscape: Create logos.	GIMP: Lasso, Magic Wand Inkscape: Create Icons.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF ONE YEAR DIPLOMA PROGRAMME

DIPLOMA IN COMPUTER APPLICATIONS

Session 2024-25

Diploma in Computer Applications Semester – I										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits		Marks				Examination time (in Hours)
				L-T-P	Total	Total	Th.	P	CA	
DCAL- 1111	Information Technology and Operating System	C	4 -0-0	4 -0-0	4	100	80	-	20	3
DCAL - 1112	PC Computing–I	C	4 -0-0	4 -0-0	4	100	80	-	20	3

	(Back Office Operations)									
DCAL-1113	Programming in C	C	4 -0-0	4 -0-0	4	100	80	-	20	3
DCAP- 1114	Lab on PC Computing–I (Back Office Operations)	C	0-0-4	0-0-2	2	50	-	40	10	3
DCAP – 1115	Lab on Programming in C	C	0-0-4	0-0-2	2	50	-	40	10	3
DCAP-1116	Lab on Typing Skills	S	0-0-4	0-0-2	2	50	-	40	10	3
TOTAL CREDITS				18	450					

Note:

C – Compulsory

S-Skill Based

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF ONE YEAR DIPLOMA PROGRAMME

DIPLOMA IN COMPUTER APPLICATIONS

Session 2024-25

Diploma in Computer Applications Semester – II										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits		Marks				Examination time (in Hours)
				L-T-P	Total	Total	Th	P	CA	
DCAL - 2111	Database Management System	C	4 -0-0	4 -0-0	4	100	80	-	20	3
DCAL -2112	Internet Applications	C	4 -0-0	4 -0-0	4	100	80	-	20	3
DCAP – 2113	Lab on Database Management System	C	0-0-4	0-0-2	2	50	-	40	10	3

DCAP-2114	Lab on Creative Design	C	0-0-4	0-0-2	2	50	-	40	10	3
DCAP-2115	Lab on Internet Applications	C	0-0-4	0-0-2	2	50	-	40	10	3
DCAD-2116	Minor Project	C	0-0-8	0-0-4	4	100	-	80	20	3
TOTAL CREDITS				18	450					

Note:

C - Compulsory

(Approved syllabus attached herewith as Annexure E)

The House approved Item: Comp. Sc. 9: 2024:6

Item: Comp. Sc. 9: 2024:7

- To discuss the proposed syllabi of additional / optional paper for Specialization subject of Data Science domain for B.Sc.(IT) Semester I till IV and BCA Semester I till IV under Credit Based Continuous Evaluation Grading System for the session 2024-25. **(Annexure F-1)**
- To discuss the proposed syllabi of additional / optional paper for Specialization subject of Data Science domain for B.Sc. (IT) Semester V - VI and BCA Semester V - VI under Continuous Evaluation System for the session 2024-25. **(Annexure F-2)**

Proceedings:

- The proposed syllabi of additional / optional paper for Specialization subject of Bachelor of Science (Information Technology) Semester I – IV and Bachelor of Computer Applications Semester I and IV under Credit Based Continuous Evaluation Grading System were discussed and approved.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

Bachelor of Science (Information Technology)/

Bachelor of Computer Applications

Credit Based Continuous Evaluation Grading System

Session 2024-25

Additional / Optional paper for Specialization in Data Science

Bachelor of Science (Information Technology)/ Bachelor of Computer Applications										
Semester – I										
Course Code	Course Name	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
BITL-1119/ BCAL-1119	*Computational Data Science	O	3-1-0	3-1-0	4	100	80	-	20	3
	Total				4	100				

Bachelor of Science (Information Technology)/ Bachelor of Computer Applications Semester – II										
Course Code	Course Name	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
BITL-2118/ BCAL-2118	*Statistical Techniques for Data Science	O	3-1-0	3-1-0	4	100	80	-	20	3
	Total				4	100				

Bachelor of Science (Information Technology)/ Bachelor of Computer Applications
Semester – III

Course Code	Course Name	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
BITM-3117/ BCAM-3117	*Data Visualization	O	3-0-2	3-0-1	4	100	50	30	20	3
	Total				4	100				

Bachelor of Science (Information Technology)/ Bachelor of Computer Applications Semester – IV										
Course Code	Course Name	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
BITM-4117/ BCAM-4117	* Foundation of Statistical Computing	O	3-0-2	3-0-1	4	100	50	30	20	3+3
	Total				4	100				

Note:

O - Optional

*One additional/optional paper will be studied by the candidate if she opts for Specialization in Data Science

(Approved syllabus attached herewith as Annexure F-1)

- The proposed syllabi of additional / optional paper for Specialization subject of Bachelor of Science (Information Technology) Semester V – VI and Bachelor of Computer Applications

Semester V and VI under Continuous Evaluation System for the session 2024-25 was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME **Bachelor of Science (Information Technology)/ Bachelor of Computer Applications**

Session 2024-25

Additional / Optional paper for Specialization in Data Science

Bachelor of Science (Information Technology)/ Bachelor of Computer Applications Semester V							
Course Code	Course Name	Course Type	Marks				Examination Time (in Hours)
			Total	Ext.		CA	
				L	P		
BITL-5116/ BCAL-5117	* Data Mining and Data Warehousing	O	75	60	-	15	3
	Total		75				

Bachelor of Science (Information Technology)/ Bachelor of Computer Applications Semester VI							
Course Code	Course Name	Course Type	Marks				Examination Time (in Hours)
			Total	Ext.		CA	
				L	P		
BITM-6115/ BCAM-6115	* Data Mining Tool	O	75	30	30	15	3+3
	Total		75				

Note:

O - Optional

***One additional/optional paper will be studied by the candidate if she opts for Specialization in Data Science**

(Approved syllabus attached herewith as Annexure F-2)

The House approved Item: Comp. Sc. 9: 2024:7

Item: Comp. Sc. 9: 2024:8

To discuss the proposed syllabi of Computer Science / Computer Applications (Vocational) as an elective subject in B.A./B.Sc. for the session 2024-25:

- Bachelor of Arts/ Bachelor of Science - Computer Science Semester I - II under Credit Based Continuous Evaluation Grading System under NEP - 2020 for the session 2024-25.
(Annexure G-1)
- Bachelor of Arts/ Bachelor of Science - Computer Applications (vocational) Semester I - II under Credit Based Continuous Evaluation Grading System under NEP - 2020 for the session 2024-25.
(Annexure G-2)

(Note: Important Guidelines and general allocation regarding SECs , VALs, MDCs etc. will be followed as per the norms of Parent University)

- Bachelor of Arts/ Bachelor of Science - Computer Science Semester III – IV under Credit Based Continuous Evaluation Grading System.
(Annexure G-3)
- Bachelor of Arts/ Bachelor of Science - Computer Applications (Vocational) Semester III – IV under Credit Based Continuous Evaluation Grading System.
(Annexure G-4)
- Bachelor of Arts/ Bachelor of Science - Computer Science Semester V-VI under Continuous Evaluation System.
(Annexure G-5)
- Bachelor of Arts/ Bachelor of Science - Computer Applications (vocational) Semester V-VI under Continuous Evaluation.
(Annexure G-6)

Proceedings:

- As per the guidelines of NEP 2020, the proposed syllabus of **Bachelor of Arts Hons. / Bachelor of Science (Computer Science) Hons./ Bachelor of Science (Economics) Hons. Semester I - II** under Credit based Continuous Evaluation Grading System for the session 2024-25 with 4 credits (3 for Theory and 1 for Practical) as Discipline Specific Course (DSC) are defined below:

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
DSCs - FOUR YEAR DEGREE PROGRAMME
Bachelor of Arts Hons./ Bachelor of Science (Computer Science) Hons./
Bachelor of Science (Economics) Hons.
Session 2024-25

Bachelor of Arts Hons./ Bachelor of Science (Computer Science) Hons./ Bachelor of Science (Economics) Hons. Semester-I

Program Name	Course Title	Course Code	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
				L-T-P	L-T-P	Total	Total	Ext.		CA	
								L	P		
Bachelor of Arts Hons. Semester I/ Bachelor of Science (Computer Science) Hons. Semester I / Bachelor of Science (Economics) Hons. Semester I	Computer Science (Computer Fundamentals and PC Software)	BARL-1134 BCSL-1134 BECL-1134	DSC DSC DSC	3-0-0	3-0-0	3	75	60	-	15	3
Bachelor of Arts Hons. Semester I/ Bachelor of Science (Computer Science) Hons. Semester I / Bachelor of Science (Economics) Hons. Semester I	Computer Science (Computer Fundamentals and PC Software)	BARP-1134 BCSP-1134 BECP-1134	DSC DSC DSC	0-0-2	0-0-1	1	25	-	20	05	3

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

DSCs - FOUR YEAR DEGREE PROGRAMME

Bachelor of Arts Hons./ Bachelor of Science (Computer Science) Hons. /**Bachelor of Science (Economics) Hons.****Session 2024-25**

Bachelor of Arts Hons./ Bachelor of Science (Computer Science) Hons./												
Bachelor of Science (Economics) Hons. Semester-II												
Program Name	Course Title	Course Code	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)		
					L-T-P	L-T-P	Total	Total	Ext.		CA	
									L			P
Bachelor of Arts Hons. Semester II / Bachelor of Science (Computer Science) Hons. Semester II/ Bachelor of Science (Economics) Hons. Semester II	Computer Science (Programming in C)	BARL-2134 BCSL-2134 BECL-2134	DSC DSC DSC	3-0-0	3-0-0	3	75	60	-	15	3	
Bachelor of Arts Hons. Semester II / Bachelor of Science (Computer Science) Hons. Semester II/ Bachelor of Science	Computer Science (Programming in C)	BARP-2134 BCSP-2134	DSC DSC	0-0-2	0-0-1	1	25	-	20	05	3	

(Economics) Hons. Semester II		BECP-2134	DSC								
-------------------------------------	--	-----------	-----	--	--	--	--	--	--	--	--

(Approved syllabus attached herewith as Annexure G-1)

- As per the guidelines of NEP 2020, the proposed syllabus of **Bachelor of Arts (Hons.)/ Bachelor of Science (Economics) Hons. - Computer Applications (Vocational) Semester I - II** under Credit based Continuous Evaluation Grading System for the session 2024-25 with 4 credits (3 for Theory and 1 for Practical) as Discipline Specific Course (DSC) are defined below:

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
DSCs - FOUR YEAR DEGREE PROGRAMME
Bachelor of Arts Hons. / Bachelor of Science (Economics) Hons.
COMPUTER APPLICATIONS (VOCATIONAL)
Session 2024-25

Bachelor of Arts Hons./ Bachelor of Science(Economics) Hons. Semester-I											
Program Name	Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
				L-T-P	L-T-P	Total	Total	Ext.			C A
								L	P		
Bachelor of Arts Sem- I	BARL-1124	Computer Applications (Vocational)	DSC	3-0-0	3-0-0	3	75	60	-	15	3
Bachelor of Science (Economics)- Sem I	BECL-1124	(Computer Fundamentals and PC Software)	DSC								
Bachelor of Arts Sem- I	BARP-1124	Computer Applications (Vocational)	DSC	0-0-2	0-0-1	1	25	-	20	05	3

Science (Economics)- Sem II	2124	(Introduction to Programming using Python)	DSC								
-----------------------------------	------	---	-----	--	--	--	--	--	--	--	--

(Approved syllabus attached herewith as Annexure G-2)

- The proposed syllabus of **Bachelor of Arts/ Bachelor of Science - Computer Science Semester III - IV under** credit based continuous evaluation grading system for the session 2024-25 with 4 credits was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

Bachelor of Arts / Bachelor of Science (Computer Science) / Bachelor of Science (Economics)

Session 2024-25

Bachelor of Arts / Bachelor of Science (Computer Science) / Bachelor of Science (Economics)											
Semester-III											
Program Name	Course Title	Course Code	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
					L-T-P	L-T-P	Total	Total	Ext.		CA
									L	P	
Bachelor of Arts Semester III/	Computer Science	BARM-3134	E	3-0-2	3-0-1	4	100	50	30	20	3+3
Bachelor of Science (Computer Science) Semester III /	(Computer Oriented Numerical and Statistical Methods))	BCSM-3134	C								
Bachelor of Science (Economics)		BECM-3134	E								

) Semester III											
-------------------	--	--	--	--	--	--	--	--	--	--	--

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME
Bachelor of Arts / Bachelor of Science (Computer Science) / Bachelor of Science
(Economics)
Session 2024-25

Bachelor of Arts / Bachelor of Science (Computer Science) / Bachelor of Science (Economics) Semester-IV												
Course Name	Program Name	Course Code	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)		
					L-T-P	L - T - P	Total	Total	Ext.		C A	
									L			P
Computer Science (Data Structures)	Bachelor of Arts Semester IV /	BAR M-4134	E	3-0-2	3-0-1	4	100	50	30	20	3+3	
	Bachelor of Science (Computer Science) Semester IV/	BCSM -4134	C									
	Bachelor of Science (Economics) Semester IV	BECM -4134	E									

((Approved syllabus attached herewith as Annexure G-3))

- The proposed syllabus of **Bachelor of Arts/ Bachelor of Science - Computer Applications (Vocational) Semester III - IV** under credit based continuous evaluation grading system for

the session 2024-25 with 4 credits was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE
PROGRAMME

Bachelor of Arts / Bachelor of Science (Economics)

COMPUTER APPLICATIONS (VOCATIONAL)

Session 2024-25

Bachelor of Arts / Bachelor of Science (Economics) Semester-III											
Program Name	Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
				L-T-P	L-T-P	Total	Total	Ext.			CA
								L	P		
Bachelor of Arts Sem- III	BARM-3124	Computer Applications (Vocational)	E	3-0-2	3-0-1	4	100	50	30	20	3+3
Bachelor of Science (Economics)- Sem III	BECM-3124	(Operating System)	E								

Bachelor of Arts / Bachelor of Science(Economics) Semester-IV											
Program Name	Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
				L-T-P	L-T-P	Total	Total	Ext.			CA
								L	P		

Bachelor of Arts Sem- IV	BARM-2124	Computer Applications (Vocational)	E	3-0-2	3-0-1	4	100	50	30	20	3+3
Bachelor of Science (Economics)- Sem IV	BECM-2124	(Relational Database Management Systems)	E								

(Approved syllabus attached herewith as Annexure G-4)

- The proposed syllabus of **Bachelor of Arts/ Bachelor of Science - Computer Science Semester V - VI** under Continuous Evaluation System for the session 2024-25 was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

Bachelor of Arts / Bachelor of Science (Computer Science) / Bachelor of Science (Economics)

Session 2024-25

Bachelor of Arts / Bachelor of Science (Computer Science) / Bachelor of Science (Economics)Semester - V								
Course Name	Program Name	Course Code	Course Type	Marks				Examination time (in Hours)
				Total	Ext.		CA	
					L	P		
Computer Science	Bachelor of Arts-Semester V/	BARM-5134	E					
(Database Management System)	Bachelor of Science Semester V/	BCSM-5134	C	100	50	30	20	3+3
	Bachelor of Science (Economics)-Semester V	BECM-5134	E					

Bachelor of Arts / Bachelor of Science (Computer Science) / Bachelor of Science (Economics)Semester - VI								
Course Name	Program Name	Course Code	Course Type	Marks				Examination time (in Hours)
				Total	Ext.		CA	
					L	P		
Computer Science	Bachelor of Arts-Semester VI/	BARM-6134	E					
(Information Technology)	Bachelor of Science-Semester VI/	BCSM-6134	C	100	50	30	20	3+3
	Bachelor of Science (Economics)-Semester VI	BECM-6134	E					

(Approved syllabus attached herewith as Annexure G-5)

- The proposed syllabus of **Bachelor of Arts/ Bachelor of Science - Computer Applications Semester V - VI** under Continuous Evaluation System for the session 2024-25 was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

Bachelor of Arts / Bachelor of Science (Economics)

COMPUTER APPLICATIONS (VOCATIONAL)

Session 2024-25

Bachelor of Arts / Bachelor of Science (Economics) Semester V								
Course Name	Program Name	Course Code	Course Type	Marks			Examination time (in Hours)	
				Total	Ext.			CA
					L	P		

Computer Applications (Vocational) (Internet and Web Designing)	Bachelor of Arts- Semester V	BARM-5124	E	100	50	30	20	3+3
	Bachelor of Science(Economics)- Semester V	BECM-5124	E					

Bachelor of Arts / Bachelor of Science (Economics) Semester VI								
Course Name	Program Name	Course Code	Course Type	Marks				Examination time (in Hours)
				Total	Ext.		CA	
					L	P		
Computer Applications (Vocational) (Business Data Processing)	Bachelor of Arts- Semester VI	BARM-6124	E					
	Bachelor of Science(Economics)- Semester VI	BECM-6124	E	100	50	30	20	3+3

(Approved syllabus attached herewith as Annexure G-6)

The House approved Item: Comp. Sc. 9: 2024:8

Item: Comp. Sc. 9: 2024: 9

To discuss and approve the syllabi of Computer as a subject for inter departmental courses for the session 2024-25:

- ID Course – Basics of Computer Applications as choice-based course for PG students of other disciplines **(Annexure H-1)**
- Master of Science (Chemistry) Semester I - Computer for Chemists **(Annexure H-2)**
- Master of Science (Zoology) Semester I - Computer Programming and Data Processing **(Annexure H-3)**
- Master of Science (Economics) Semester I -Computer Applications for Economists-I or Semester II - Computer Applications for Economists-II **(Annexure H-4)**

- Master of Commerce (Hons.) FYIP Semester I – Digital Fluency (Annexure H-5)
- Master of Commerce Semester IV - E-Commerce (Annexure H-6)
- Master of Science (Mathematics) FYIP - Semester I-Programming Language-I & Programming Laboratory-I and in Semester II- Object Oriented programming C++ & Programming Laboratory-II (Annexure H-7)
- Master of Science (Hons) Mathematics – FYIP Semester III -Python Programming & Semester IV - Foundation of Statistical Computing (Annexure H-8)
- Bachelor of Business Administration (Honours) Semester I & Bachelor of Business Administration (Honours) -Airlines and Airport Management Semester I - Computer Applications for Business. (Annexure H-9)
- Bachelor of Science (Home Science) Hons. Semester I - Computer Basics & Semester II - Computer Applications for Home Scientists. (Annexure H-10)
- Bachelor of Science (Honours) Medical Laboratory Technology (Semester - II) – Fundamentals of Data Analytics (Annexure H-11)
- Bachelor of Vocation Sem I - Computer Applications under different Vocational Programs namely: B.Voc. (Animation), B.Voc. (Retail Mgt), B.Voc.(NEH) Sem I (Annexure H-12)
- B.Voc. (NEH) Sem V- Computer (Internet Applications) & B.Voc. (NEH) Sem VI- Computer (Database Concepts) (Annexure H-13)
- Bachelor of Vocation (Hospitality and Tourism) Semester II - Applications of Computer in Hospitality and Tourism (Annexure H-14)
- B.Voc. (MSP) Sem IV- Introduction to Python Programming (Annexure H-15)

Any other Computer related Course of other departments - need based, will be entertained and intimated.

Proceedings:

- The proposed syllabus of **ID Course for PG Students of other disciplines** as choice-based course **under** credit based continuous evaluation grading system for the session 2024-25 with total of 4 Credits (2 Credits for Theory and 2 Credits for Practical) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

Interdisciplinary Courses

Session 2024-25

Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
IDEI-1124		IDE	2-0-4	2-0-2	4	100	50	30	20	3+3

	Basics of Computer Applications									
IDEI-3124										

NOTE: Masters Students can opt this ID Course either in Sem I or in Sem III, except the student of Faculty of Computer Science & Information Technology

(Approved syllabus attached herewith as Annexure H-1)

- The proposed syllabus of **Master of Science (Chemistry) Semester I** under credit based continuous evaluation grading system for the session 2024-25 with total of 2 Credits (1 for Theory and 1 for Practical) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

CURRICULUM AND SCHEME OF EXAMINATIONS OF TWO YEAR MASTER DEGREE PROGRAMME

Master of Science (Chemistry)

Session 2024-25

Master of Science (Chemistry) Semester I

Master of Science (Chemistry) Semester I										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
MCHM-1135	Computer for Chemists	C	1-0-2	1-0-1	2	50	20	20	10	3+3

(Approved syllabus attached herewith as Annexure H-2)

- The proposed syllabus of **Master of Science (Zoology) Semester I** under credit based continuous evaluation grading system for the session 2024-25 with 3 credits (2 credits for Theory and 1 credit for Practical) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO YEAR MASTER DEGREE PROGRAMME

MASTER OF SCIENCE (ZOOLOGY)

Credit Based Continuous Evaluation Grading System (CBCEGS)

Session 2024-25

Master of Science (Zoology) Semester I										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
MZOM-1135	Computer Programming and Data Processing	C	2-0-2	2-0-1	3	75	40	20	15	3+3

(Approved syllabus attached herewith as Annexure H-3)

- The proposed syllabus of **Master of Science (Economics) Semester I or II under** credit based continuous evaluation grading system for the session 2024-25 with 4 credits (3 credits for Theory and 1 Credit for Practical) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME

MASTER OF SCIENCE (ECONOMICS) SEMESTER – I/ II

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-25)

MASTER OF SCIENCE (ECONOMICS)										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
	OPT-VI (Computer Applications for Economists-I)	E	3-0-2	3-0-1	4	100	50	30	20	3+3

MASTER OF SCIENCE (ECONOMICS)

Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
	OPT-XIV Computer Applications for Economists-II	E	3-0-2	3-0-1	4	100	50	30	20	3+3

(Approved syllabus attached herewith as Annexure H-4)

- As per the Guidelines of NEP 2020, the proposed syllabus of Digital Fluency Course in **Master of Commerce (Hons.) FYIP Semester I** under Credit based Continuous Evaluation Grading System for the session 2024-25 with total of 3 Credits (2 for Theory and 1 for Practical) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF FIVE YEARS INTEGRATED PROGRAMME

M.Com (FYIP) (Session 2024-25)

M.Com (FYIP) Semester I

Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
FCOM-1127	Digital Fluency	MDC	2-0-2	2-0-1	3	75	30	30	15	3+3

(Approved syllabus attached herewith as Annexure H-5)

- The proposed syllabus of **Master of Commerce Semester IV under** Credit based Continuous Evaluation Grading System for the session 2024-25 with a total of 4 Credits (for Theory) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAMME MASTER OF COMMERCE SEMESTER- IV

Credit Based Continuous Evaluation Grading System (CBCEGS)

SESSION: 2024-25

Master of Commerce Semester IV										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
			L-T-P	L-T-P	Total	Total	Ext.			CA
							L	P		
MCML - 4122	E - Commerce	C	4-0-0	4-0-0	4	100	80	-	20	3

(Approved syllabus attached herewith as Annexure H-6)

- As per the Guidelines of NEP 2020, the proposed syllabus of Master of Science (Mathematics) FYIP (Programming Language – I and Programming Laboratory - I in Semester I and Object Oriented Programming C++ and Programming Laboratory – II in Semester II) and under credit based continuous evaluation grading system with 4 Credits (3 Credits for Theory and 1 Credit for Practical) for the session 2024-25 was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF FIVE YEARS INTEGRATED PROGRAMME

MASTER OF SCIENCE (MATHEMATICS) – FYIP

(Session 2024-25)

Credit Based Continuous Evaluation Grading System (CBCEGS)

MASTER OF SCIENCE (MATHEMATICS) – FYIP SEMESTER I										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time	
			L-T-P	L-T-P	Total	Total	Ext.		(in Hours)	
							L	P		

FMAL-1136	Programming Language - I	C	3-0-0	3-0-0	3	75	60	-	15	3
FMAP-1139	Programming Laboratory- I	C	0-0-2	0-0-1	1	25	-	20	05	3

MASTER OF SCIENCE (MATHEMATICS) – FYIP SEMESTER II

Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
FMAL-2135	Object Oriented Programming C++	C	3-0-0	3-0-0	3	75	60	-	15	3
FMAP-2137	Programming Laboratory-II	C	0-0-2	0-0-1	1	25	-	20	05	3

(Approved syllabus attached herewith as Annexure H-7)

- The proposed syllabus of **Master of Science (Mathematics) FYIP** (Python Programming in Semester III & Foundation of Statistical Computing in Semester IV) under Credit based Continuous Evaluation Grading System for the session 2024-25 with 4 credits (3 Credits for Theory and 1 Credit for Practical) in both Semesters were discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FIVE YEARS INTEGRATED PROGRAMME

MASTER OF SCIENCE (MATHEMATICS) – FYIP

(Session 2024-25)

Credit Based Continuous Evaluation Grading System (CBCEGS)

MASTER OF SCIENCE (MATHEMATICS) – FYIP SEMESTER III

MASTER OF SCIENCE (MATHEMATICS) – FYIP SEMESTER III										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
			L-T-P	L-T-P	Total	Total	Ext.			CA
							L	P		

FMAM-3135	Python Programming	C	3-0-2	3-0-1	4	100	50	30	20	3+3
-----------	--------------------	---	-------	-------	---	-----	----	----	----	-----

MASTER OF SCIENCE (MATHEMATICS) – FYIP SEMESTER IV										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		
FMAM-4135	Foundation of Statistical Computing	C	3-0-2	3-0-1	4	100	50	30	20	3+3

(Approved syllabus attached herewith as Annexure H-8)

- As per the Guidelines of NEP 2020, the proposed syllabus of Computer Applications for Business as a subject in **Bachelor of Business Administration (Honours) Semester I & Bachelor of Business Administration (Honours) Airlines and Airport Management Semester I** under credit based continuous evaluation grading system for the session 2024-25 with 3 credits (2 Credits for Theory and 1 Credit for Practical) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

**Bachelor of Business Administration Hons. / Bachelor of Business Administration (Honours)
– Airlines and Airport Management Semester I**

COMPUTER APPLICATIONS FOR BUSINESS

(Session 2024-25)

Credit Based Continuous Evaluation Grading System (CBCEGS)

Bachelor of Business Administration Hons. Semester I / Bachelor of Business Administration (Honours) – Airlines and Airport Management Semester I										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
			L-T-P	L-T-P	Total	Total	Ext.		CA	
							L	P		

BBRM-1127 /	Computer Applications for Business	SEC	2-0-2	2-0-1	3	75	40	20	15	3+3
----------------	------------------------------------	-----	-------	-------	---	----	----	----	----	-----

(Approved syllabus attached herewith as Annexure H-9)

- As per the Guidelines of NEP 2020, the proposed syllabus of Computer Basics and Computer Applications for Home Scientists in **Bachelor of Science (Home Science) Semester I & II** under credit based continuous evaluation grading system for the session 2024-25 with 3 Credits (2 Credits for Theory and 1 Credit for Practical) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
Bachelor of Science (Home Science) Hons.

Session: 2024-25

Credit Based Continuous Evaluation Grading System (CBCEGS)

Bachelor of Science (Home Science) Hons. Semester I										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
			L-T-P	L-T-P	Total	Total	Ext.			CA
							L	P		
BHSM - 1127	Computer Basics	C	2-0-2	2-0-1	3	75	40	20	15	3+3

Bachelor of Science (Home Science) Hons. Semester II										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
			L-T-P	L-T-P	Total	Total	Ext.			CA
							L	P		
BHSM - 2127	Computer Applications for Home Scientists	MDC	2-0-2	2-0-1	3	75	40	20	15	3+3

(Approved syllabus attached herewith as Annexure H-10)

- As per the Guidelines of NEP 2020, the proposed syllabus of Fundamentals of Data Analytics in **Bachelor of Science (Honours) Medical Laboratory Technology Semester II** under credit based continuous evaluation grading system for the session 2024-25 with 3 Credits (2 Credits for Theory and 1 Credit for Practical) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
Bachelor of Science (Honours) Medical laboratory Technology)

Session: 2024-25

Credit Based Continuous Evaluation Grading System (CBCEGS)

Bachelor of Science (Honours) Medical laboratory Technology) Semester II										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
			L-T-P	L-T-P	Total	Total	Ext.			CA
							L	P		
BMLM-2136	Fundamentals of Data Analytics	C	2-0-2	2-0-1	3	75	30	30	15	3+3

(Approved syllabus attached herewith as Annexure H-11)

- The proposed syllabus of Computer Fundamentals in **Bachelor of Vocation (Animation) Semester I / Bachelor of Vocation (Retail Management) Semester I** under credit based continuous evaluation grading system for the session 2024-25 with total of 2 Credits (1 Credit for Theory and 1 Credit for Practical) was discussed by the house and they approved the proposed Syllabus, whereas Bachelor of Vocation (NEH) Semester I has deleted the Course - Computer Fundamentals from the said Scheme.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

Session 2024-25

Bachelor of Vocation (Animation) Semester-I / Bachelor of Vocation (Retail Management) Semester-I

Course Code: BVAM-1113/ / BVRM-1126

Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
		L-T-P	L-T-P	Total	Total	Ext.			CA
						L	P		
Computer Fundamentals	S	1-0-2	1-0-1	2	50	25	15	10	3+3

(Approved syllabus attached herewith as Annexure H-12)

- The proposed syllabus of **Bachelor of Vocation (NEH) Semester V & VI** (Internet Applications in Semester V and Computer (Database Concepts) in Semester VI) under Credit based Continuous Evaluation Grading System for the session 2024-25 with 2 Credits (1 credit for Theory and 1 Credit for Practical) in each semester was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

Session 2024-25

Bachelor of Vocation (Nutrition, Exercise & Health) Semester-V

Course Code: BVNM- 5125

Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
		L-T-P	L-T-P	Total	Total	Ext.			CA
						L	P		
Internet Applications	S	1-0-2	1-0-1	2	50	25	15	10	3+3

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

Session 2024-25

Bachelor of Vocation (Nutrition, Exercise & Health) Semester-VI

Course Code: BVNM- 6127

Course Title	Course Type	Hours per week	Credit		Marks				Examination Time (in Hours)
		L-T-P	L-T-P	Total	Total	Ext.		CA	
						L	P		
Computer (Database Concepts)	S	1-0-2	1-0-1	2	50	25	15	10	3+3

(Approved syllabus attached herewith as Annexure H-13)

- The proposed syllabus of Applications of Computer in Hospitality and Tourism in **Bachelor of Vocation (Hospitality & Tourism) Semester II** under credit based continuous evaluation grading system for the session 2024-25 with 2 Credits (1 credit for Theory and 1 Credit for Practical) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
Bachelor of Vocation (Hospitality and Tourism) Semester II
(Session 2024-25)

Course Title: Applications of Computer in Hospitality and Tourism

Course Code: BVHM-2663

Bachelor of Vocation (Hospitality and Tourism) Semester II										
S. N o.	Course Code	Course Type	Course Title	Hour s per week L-T-P	Cred its L-T-P	Max Marks				Examina tion time (in Hours)
						T ot al	Ext.		CA	
							L	P		
1	BVHM-2663	S	Applications of Computer in Hospitality and Tourism	1-0-2	1-0-1	50	20	20	10	3+3

(Approved syllabus attached herewith as Annexure H-14)

- The proposed syllabus of Introduction to Python Programming in **Bachelor of Vocation (Management & Secretarial Practices) Semester V** under Credit Based Continuous Evaluation Grading System for the session 2024-25 with 4 Credits (3 Credits for Theory and 1 Credit for Practical) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

Session 2024-25

Bachelor of Vocation (Management & Secretarial Practices) Semester-V

Course Title: Introduction to Python Programming

Course Code: BVMM-5126

Course Title	Course Code	Hours per week	Credit	Marks	Examination Time (in Hours)

		L-T-P	L-T-P	Total	Total	Ext.		CA	
						L	P		
Introduction to Python Programming	BVMM-5126	3-0-2	3-0-1	4	50	25	15	10	3+3

(Approved syllabus attached herewith as Annexure H-15)

- The proposed syllabus of Management Information System in **Bachelor of Vocation (Management & Secretarial Practices) Semester IV** under credit based continuous evaluation grading system (Newly proposed) for the session 2024-25 with 4 Credits was discussed by the house and they approved the proposed Syllabus.

**KANYA MAHA VIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF THREE YEARS DEGREE
PROGRAMME**

**Programme: Bachelor of Vocation (Management& Secretarial Practices)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session 2024-2025)**

Bachelor of Vocation (Management& Secretarial Practices) Semester-IV									
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits	Marks				Examination time (in Hours)
					Total	Th	P	CA	
BVML-4121	Management Information System	C	4-0-0	4	100	80	-	20	3

(Approved syllabus attached herewith as Annexure H-16)

- As per the Guidelines of NEP 2020, the proposed syllabus of Bachelor of Commerce (Pass & Honours) Semester I (Computer Applications in Business) under Credit Based Continuous Evaluation Grading System (Newly proposed) for the session 2024-25 with 3 Credits (2 Credits for Theory and 1 Credit for Practical) was discussed by the house and they approved the proposed Syllabus.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

**SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE
PROGRAMME**

Bachelor of Commerce (Pass & Hons.)

(Session 2024-25)

Credit Based Continuous Evaluation Grading System (CBCEGS)

Bachelor of Commerce (Pass & Hons.) Semester I										
Course Code	Course Title	Course Type	Hours per week	Credit		Marks			Examination Time (in Hours)	
			L-T-P	L-T-P	Total	Total	Ext.			CA
							L	P		
BCRM–1127	Computer Applications in Business	SEC	2-0-2	2-0-1	3	75	30	30	15	3+3

(Approved syllabus attached herewith as Annexure H-17)

The House approved Item: Comp. Sc. 9: 2024:9

Item: Comp. Sc. 9: 2024:10

To discuss the proposed syllabi of Certificate Courses of the department for the session 2024-25 under Credit Based Continuous Evaluation Grading System.

- Data Analytics with Power BI and Tableau (Annexure I-1)
- Creative Design (Annexure I-2)

Proceedings: The proposed syllabi of both the Certificate Courses was approved.

The House approved Item: Comp. Sc. 9: 2024:10

Item: Comp. Sc. 9: 2024:11

To discuss the results of the Programs run by the department in the Session 2023-24.

Proceedings: All the results were discussed, BOS Members were satisfied with these.

Item: Comp. Sc. 9: 2024:12

To intimate BOS members about the existing teaching methodologies and innovative methods followed and to seek their suggestions for further improvement.

Proceedings: BOS Members were appreciative and they conveyed that faculty members should be more active on learning new technologies.

Item: Comp. Sc.9: 2024:13

To discuss the outcome of stated courses and programs.

Proceedings: The members were satisfied with the outcomes.

Item: Comp. Sc. 9: 2024:14

To discuss and approve the proposed list of examiners and evaluators for all the courses/programs - Computer classes/subjects for Session 2024-25.

Proceedings: The list of examiners was approved.

Item: Comp. Sc. 9: 2024:15

To discuss the proposed activities and plans of department for the Academic session 2024-25

Proceedings: Activities were discussed and approved.

Suman Khurana
Kanya Maha Vidyalaya, Jalandhar.

Dr. Sandeep Sharma (Professor and Head)
Department of Computer Engineering & Technology
Guru Nanak Dev University, Amritsar

Dr. Kawaljeet Singh (Director)
University Computer Centre
Punjabi University, Patiala

Dr. A. L. Sangal (Professor and Head)
Department of Computer Science and Engineering
Dr B R Ambedkar NIT, Jalandhar

Mr. Gaurav
Chief Technical Officer
O7 Services Pvt. Ltd.

Ms. Vibhuti Malhotra
Senior QA , APEXA Corp , USA

Dr. Pardeep Arora
Assoc. Prof.

Dr. Ravi Khurana
Assoc. Prof

Dr. Nitin Khanna
Asstt. Prof.

Ms. Nidhi Bhatia
Asstt. Prof.

Ms. Vandana Sharma
Asstt. Prof.