



Aggarwal College Ballabgarh

A Post Graduate Co-educational College Aided by Haryana Govt.

Included U/S 2(f) & 12 (B) of UGC Act, 1956

(Affiliated to M. D. University, Rohtak)

NAAC Accredited A++ Grade (CGPA : 3.57)

College with Potential for Excellence (CPE) Status by UGC

ISO 9001:2015 & ISO 14001:2015 Certified



Ref. No.....13064/S:F

Dated...26/05/2026

CERTIFICATE

Establishment of Mechanism for Earning Credits through Skill-Based Courses

This is to certify that Aggarwal College has established a well-defined, structured, and inbuilt mechanism to enable students to earn academic credits through skill-based, add-on, and online learning courses, in alignment with institutional academic policies, University guidelines, and the provisions of National Education Policy 2020. The University offers compulsory **Skill Enhancement Courses (SEC)** to our students of all departments and is included in the University Schemes of Examination.

In addition, the institution independently designs and **conducts Skill-based** and add-on courses, such as **English and Communication Skills, Soft Skills,** and Employability Enhancement Programs through an external Agency. These courses are structured with defined duration, syllabus, and assessment mechanisms.

In addition, the college actively encourage and motivates students and faculty members to enrol in online learning platforms such as **SWAYAM and NPTEL, Skill India (Ministry of Skill Development and Entrepreneurship), NSDC-aligned courses,** and other leading skilling platforms so that they can earn additional academic credits and acquire industry-relevant knowledge and skills through certified courses. Credits earned through these MOOCs/SWAYAM courses are transferred and recognized as per University norms.

Thus, through a combination of **University-integrated skill based Courses MOOCs/SWAYAM credit opportunities and externally certified skill development programs,** the institute ensures that students are well equipped with both academic knowledge and industry relevant skills, in alignment with AICTE's vision for outcome based and skill oriented education.

The above document is available on the institution website hyperlink:
<https://aggarwalcollegeballabgarh.ac.in/static/aictepdfs/skill%20based.pdf>

This certificate is issued for compliance and official purposes.

Principal
Off. Principal
Aggarwal College
Ballabgarh (Faridabad)

Semester wise Structure and Curriculum for UG Course in BCA

SEMESTER I

S. No.	Course Code	University Nomenclature Course Code	Course Title	L	T	P	Credit
3 WEEKS COMPULSORY INDUCTION PROGRAM (UHV-I)							
1	CC101	25BCA401DS01	Mathematics Foundations to Computer Science - I	3	0	0	3
2	SEC101	25BCA401SEC01	Problem Solving Techniques	3	0	4	5
3	CC102	25BCA401DS02	Computer Architecture	3	0	4	5
4	AEC101	25ENGX01AE01	General English - I	1	1	0	2
5	MDE101	25SOCX01MD01	Indian Knowledge System	2	0	0	2
6	VAC101	25CSAX01VA01	Environmental Science and sustainability	2	0	0	2
7	AEC102	25HNDX01AE01 or 25SKTX01AE01	Additional Course - Indian or Foreign Language Other than Mother Tongue and English (1-1-0) [optional course]*	1	1	0	0*
TOTAL							19

SEMESTER II

S. No.	Course Code	University Nomenclature Course Code	Course Title	L	T	P	Credit
1	CC103	25BCA402DS01	Mathematics Foundations to Computer Science - II	3	0	0	3
2	CC104	25BCA402DS02	Data Structures	3	0	4	5
3	CC105	25BCA402DS03	Operating Systems	3	0	2	4
4	SEC102	25BCA402SEC01	Object Oriented Programming using Java	3	0	4	5
5	SEC103	25BCA402SEC02	Web Technologies	1	0	2	2
6	VAC102	25EVX01AC01	Indian Constitution	2	0	0	2
7	AEC103	25HNDX02AE01 or 25SKTX02AE01	Additional Course - Indian or Foreign Language Other than Mother Tongue and English (1-1-0) [optional course]*	1	1	0	0*
TOTAL							21

*Indian Languages: Sanskrit/Hindi/All Regional languages

SEMESTER III

S. No.	Course Code	University Nomenclature Course Code	Course Title	L	T	P	Credit
1	CC201	26BCA403DS01	Probability and Statistics	3	0	0	3
2	CC202	26BCA403DS02	Data Base Management System	3	0	4	5
3	SEC201	26BCA403SEC01	Python Programming	2	0	4	4
4	CC203	26BCA403DS03	Software Engineering	3	0	0	3
5	DSE201*		Professional Elective - I	1	0	4	3
6	VAC201	26YOGX04VA01	Yoga/Sports/NCC/NSS/Disaster Management	0	0	4	2
TOTAL							20

* To be selected from the Proposed Streams with Discipline Specific Electives - Data Science / Artificial Intelligence and Machine Learning / Full Stack Development proposed by University as indicated at the Appendix - A

SEMESTER IV

S. No.	Course Code	University Nomenclature Course Code	Course Title	L	T	P	Credit
1	CC201	26BCA404DS01	Entrepreneurship and Startup Ecosystem	1	1	0	2
2	CC205	26BCA404DS02	Computer Networks	3	0	4	5
3	CC206	26BCA404DS03	Design and Analysis of Algorithm	3	0	0	3
4	CC207	26BCA404DS04	Artificial Intelligence	3	0	4	5
5	DSE202*		Professional Elective - II	1	0	4	3
6	SEC202	26BCA404SEC01	Design Thinking and Innovation	1	1	0	2
TOTAL							20

*University Nomenclature Course Code and L-T-P for Discipline Electives depends on the subject that the University/College offers (see page 14-15)

SEMESTER V

S. No.	Course Code	Course Title	L	T	P	Credit	
1	DSE301*	Professional Elective - III	3	0	4	5	
2	DSE302*	Professional Elective - IV	3	0	4	5	
3	DSE303*	Professional Elective - V	3	0	4	5	
4	SEC301	27BCA405SEC01	Quantitative Techniques	0	2	0	2
5	SEC302	27BCA405SEC02	Internship/capstone Project	0	0	8	4
6	SEC303	27BCA405SEC03	Major Project [evaluation in sixth semester]				0
TOTAL						21	

*University Nomenclature Course Code and L-T-P for Discipline Electives depends on the subject that the University/College offers (see page 14-15)

SEMESTER VI

S. No.	Course Code	University Nomenclature Course Code	Course Title	L	T	P	Credit
1	CC301	27BCA406DS01	Generative AI	2	0	4	4
2	DSE304*		Professional Elective - VI	3	0	4	5
3	DSE305*		Professional Elective - VII	3	0	4	5
4	AEC301	27ENGX01AE01	Soft Skills	0	1	0	1
5	SE-304	27BCA406SEC01	Major Project (Initiated in 5th Semester)	0	0	8	4
TOTAL							19

*University Nomenclature Course Code and L-T-P for Discipline Electives depends on the subject that the University/College offers (see page 14-15)

1. BACHELOR IN COMPUTER APPLICATION Degree will be awarded, if a student wishes to exit at the end of Third year.

Exit Criteria after Third Year of BCA Programme.



SWAYAM ONLINE COURSE CERTIFICATION

This Certificate is awarded to
MOHINI VERMA
 for successfully completing the 4 credit course
Android Mobile Application Development
 with a consolidated score of 70% marks
 in the proctored examination held on 13-12-2025
 offered by **Dr. Himanshu N. Patel** of



Roll No HR04010746

Dr. Babasaheb Ambedkar Open University, Ahmedabad

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	29	70	41	100	70

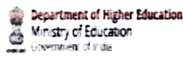
Uma Kanjilal

Prof. Uma Kanjilal
 National Coordinator
 Indra Gandhi National Open University, New Delhi





Prof. Ami U. Upadhyay
 Vice Chancellor
 Dr. Babasaheb Ambedkar Open University,
 Ahmedabad

Issued On: 20/01/2026



Study Webs of Active-Learning for Young Aspiring Minds (SWAYAM) July 2025 Semester
Score Card

Roll Number	UP09020100	Application Number	255620125121	 
Candidate's Name	BHUMIKA	Date of Birth	14-06-2003	
Mother's Name	KAVITA	Father's Name	RAJKUMAR	
Gender	Female	Nationality	Indian	
PwD/PwBD	No	Category	DBD: NCL (Central List)	

SCORE DETAILS

Course Code	Course Name	Date of Exam	Shift of Exam	Maximum Marks	Marks Obtained	Marks Obtained in words
imo25_mg132	HR Analytics Using Excel	13-12-2025	1	100	68	Sixty Eight

Date of declaration of result: 12.01.2026 (CBT Courses)

Director, NTA

Note:

1. Electronically generated document does not require signature.
2. Candidate particulars have been indicated as mentioned by her/him in the online application form, which is subject to verification by the admitting authorities.
3. Candidate, if found submitting incorrect information or tampering with the Score Card, will be considered as using unfair means and their candidature will be cancelled.
4. Candidates must preserve this Score Card for future use.
5. Final scores & certificates will be given by respective National Coordinators.

Aggarwal
Off. Principal
Aggarwal College
Ballabgarh (Faridabad)





SWAYAM ONLINE COURSE CERTIFICATION



Roll No. HR04010836

This certificate is awarded to

DOLLY MANGLA

for successfully completing the 3 credit course

Entrepreneurship and Start-ups

July - December 2023

with the consolidated score of 98%

in the proctored examination held on 13-12-2023

offered by Dr. P. Jakulin Divya Mary



Ushagaleen

**NATIONAL
COORDINATOR**
Director NITTTR, Chennai

P. Jkl

COURSE COORDINATOR
NITTTR, Chennai

To validate and check scores: <http://swayam.gov.in/> Month of Issue: January 2024

**Off. Principal
Aggarwal College
Ballabgarh (Faridabad)**