

BCA Student Orientation Program – Session 2025

Date: 15 July 2025

Time: 9:30 AM

Venue: ICT Lab, B.A.M. Khalsa College, Garhshankar

Organized by: Department of Computer Science & Applications

About the Event:

The **BCA Student Orientation Program** is designed to welcome new students into the Bachelor of Computer Applications program. This orientation will help students understand the academic structure, departmental resources, industry opportunities, club activities, and college facilities.

Agenda Highlights:

- Welcome address by the Head of Department
 - Introduction to faculty and staff
 - Overview of the BCA curriculum and syllabus
 - Insight into department clubs (Website Design, Digital Marketing, Research Paper Writing, Graphics Design)
 - Information on internships, placements, and skill development
 - Interaction with senior students and alumni
 - Campus tour and facility briefing
 - Q&A
- session



▪ <https://gamma.app/docs/Navigating-Your-Computer-Science->

[Curriculum-l4e89892gjx1gww?mode=present#card-ww3rrggbtql93p5](https://news.bamkc.edu.in/wp-content/uploads/2025/07/20250704110756-bcasemester1to42025-26.pdf)

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Sem	Level of Course	Course Code	Course Title	Credits			Total Credits
				Th	Pr	Total	
I	L-100	BCA-DSC-1 (Maj)-101	Introduction to Web Technologies	2	--	4	24
		BCA-DSC-1 (Maj)-101P	Practical Based on BCA-DSC-1 (Maj)-101	--	2		
		BCA-DSC-1 (Maj)-102	Fundamentals of Mathematical Statistics	4	--	4	
		BCA-DSC-1 (Min)-103	Problem Solving Through C	2	--	4	
		BCA-DSC-1 (Min)-103P	Practical Based on BCA-DSC-1 (Min)-103	--	2		
		CSA-MDC-101/201/301	E-Commerce	3	--	3	
		AEC-1-101	English-1	2	--	2	
		CSA-SEC-101/201/301	Computer Fundamentals and Personal Computing Software	--	3	3	
		PUN-COMPL-1-101/HCP-COMPL-1-101	Punjabi-1 / HCP-1	2	--	2	
		CSA-VAC-101/201/301/401	Introduction to Blockchain Technology	2	--	2	
		CSA-VAC-102/202/302/402	Introduction to Computer Hardware	2	--		
		CSA-VAC-103/203/303/403	Digital Empowerment	2	--		
		CSA-VAC-104/204/304/404	Ethics of Artificial Intelligence	2	--		

* One credit of theory lecture is of 1 hour duration and one credit of practical is of 2 hours duration.

A student can opt one MDC, SEC and VAC out of given options respectively, unless specified.

A student can opt for a MDC course subject to following conditions:

- The student must not have studied that course in 10+2 level.
- The student must not have taken that course as a core subject.

BCA 3rd Sem

Sem	Level of Course	Course Code	Course Title	Credits			Total Credits
				Th	Pr	Total	
III	L-200	BCA-DSC-3 (Maj)-301	Computer Architecture	4	--	4	24
		BCA-DSC-3 (Min)-302	Data Structures	2	--	4	
		BCA-DSC-3 (Min)-302P	Practical Based on BCA-DSC-3 (Min)-302	--	2		
		BCA-DSC-3 (Min)-303	Computer Oriented Numerical Methods	2	--	4	
		BCA-DSC-3 (Min)-303P	Practical Based on BCA-DSC-3 (Min)-303	--	2		
		BCA-DSC-3 (Maj)-304	Introduction to Machine Learning	4	--	4	
		AEC-3-301	English-3	2	--	2	
	L-100	CSA-MDC-103/203/303	Web Development/ Designing	--	3	3	
		CSA-SEC-103/203/303	Backend Web Development	--	3	3	

BCA 5th Sem

Bachelor of Computer Applications Semester – V

Paper Code	Title	L	T	P	Total	Int	Ext	Total	Exam. Duration	Credits
BCA-16-501	Computer Networks	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-502	Discrete Mathematical Structure	6	1	-	7	10	65	75	3 Hrs	3
BCA-16-503	Java Programming	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-504	Web Application Development using PHP	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-505	Lab based on BCA-16-503	-	-	6	6	-	50	50	4 Hrs	2
BCA-16-506	Lab based on BCA-16-504	-	-	6	6	-	50	50	4 Hrs	2
		24	1	12	37	40	360	400		16

Farewell Party : Jashan E Rukhsat 2025

A Farewell party themed 'Jashan E Rukhsat' was organized by the Department of Commerce & Computer Science and Applications B.A.M. Khalsa College, Garhshankar. It was a goodbye ceremony for outgoing students of BCom, BCA, PGDCA and MCom. This party was very well organized under the able guidance of Head of the Department Prof. Kanwar Kulwant Singh and Dr. Ajay Dutta. All students of BCom II, BCom III, BCA II, BCA III, PGDCA, MCom I and MCom II were present in this party. Juniors wish their seniors good luck in various forms like a welcome speech by Harpreet Kaur for their future endeavors. Ranjit Kaur of MCom II sang a very beautiful song. Students of MCom II and BCom III participated in various activities and games. One special round for selection of Mr Farewell and Miss Farewell was also arranged. Exciting games were also arranged for outgoing students like paper dance, freeze dance, caterpillar race, etc. and were enjoyed by all.

The department of computer science and applications was awarded with a cash prize of ₹ 5,000 for designing the website of department of Commerce and also financial assistance of ₹ 5,000 was provided to students under IIC Startups by Business Students' Association of department of Commerce at the farewell party.

Finally, Ms Monika Devi as 'Miss Farewell' and Mr Harsh Rana as 'Mr Farewell' crowned from MCom. Ms Prinka was crowned with the title of 'Miss Farewell' and Mr Arsh Kumar was awarded with the title of 'Mr Farewell' from BCom. Ms Deeksha Thakur was crowned with the title of 'Miss Farewell' and Mr Tanesh Dhiman was awarded with the title of 'Mr Farewell' from BCA.

Lastly Mr Amandeep was awarded with 'Mr Farewell' from PGDCA batch 2024-25.

In the end Prof. Kanwar Kulwant Singh, head of the Department of Commerce proposed a vote of thanks and wished good luck to the students of MCom II, PGDCA, BCom III and BCA III for their future and appreciated the efforts of Junior classes. He also expressed his hope that students will continue holding top positions in the university. He also congratulated the whole faculty of the Department of Commerce and Computer Science for organizing such a wonderful farewell. Principal Dr. Amandeep Heera also blessed the students for their brightest future. All faculty members of the college were present in this farewell.



BCA Students of B.A.M. Khalsa College, Garhshankar, Shine at Regional Conference on Advances in Technology, Innovation, and Management

The students of Babbar Akali Memorial (B.A.M.) Khalsa College, Garhshankar, made a remarkable impact at the **Two-Day Regional Conference on “Advances in Technology, Innovation, and Management”** organized by **J.D.C. Bytco Institute of Management Studies & Research, Nashik.**

The BCA students presented their research papers at this prestigious platform, and their contributions were officially published, highlighting their academic excellence and innovative research.

The following students showcased their research work:

Deeksha Thakur presented her paper on *“Impact of Search Engines and AI-based Content Creation Platforms on National and Personal Security.”*

Mannat and Diksha collaborated on a research paper titled *“Augmented and Virtual Reality in E-Commerce: A Path to Enhanced Consumer Engagement.”*

Anchal and Upasna authored a paper on *“Cybersecurity Challenges in the Digital Age: Personal and National Threats from Data Sharing,”*

under the expert guidance of **Dr. Ajay Dutta, Head of the Computer Science Department.**

This achievement is a testament to the strong research culture

nurtured at B.A.M. Khalsa College under the leadership of **Principal Dr. Amandeep Heera**. Congratulating the students, **Dr. Heera** expressed his pride in their dedication and emphasized the institution's commitment to fostering innovation and research excellence.

These accomplishments highlight the college's focus on empowering students with cutting-edge knowledge and research capabilities, paving the way for their bright academic and professional futures.

ਦਾ ਸ਼ਹਾਦਤ ਨੂੰ ਸਮਰਪਤ ਚਾਹੁੰਦਾ ਹੋ ਤਾਂ ਜੋ ਅਸੀਂ ਕਾਮਯਾਬੀ ਨਾਲ ਚਲਦੇ ਹਾਂ। ਇਹ ਉਪਰਾਲਾ ਕੀਤਾ ਗਿਆ ਸੀ ਮਨਜਰ ਮਨਮਾਤਰ ਸਾਫ਼ ਅਤੇ ਬਲਡ ਪੁਨਦਾਨ ਕੈਂਪ ਲਾਉਣ ਲਈ ਮਨੁੱਖੀ ਜਾਨਾਂ ਨੂੰ ਬਚਾ ਸਕੀਏ। ਜਿਸ ਵਿਚ 30 ਯੂਨਿਟ ਖੂਨ ਬੈਂਕ ਸਟਾਫ਼ ਹਾਜ਼ਰ ਸਨ। ਲਗਭਗ ਦੀ ਵਿੱ:

ਖ਼ਾਲਸਾ ਕਾਲਜ ਦੇ ਬੀ.ਸੀ.ਏ. ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਨਾਸਿਕ ਵਿਖੇ ਹੋਏ ਸੈਮੀਨਾਰ ਵਿਚ ਖੋਜ ਪੱਤਰ ਪੇਸ਼ ਕੀਤੇ

ਪੈਗਾਮ-ਏ-ਜਗਤ/ਗੜ੍ਹਸ਼ੰਕਰ (ਹਰੀ ਕ੍ਰਿਸ਼ਨ ਗੰਗੜ)
 ਸ਼੍ਰੋਮਣੀ ਗੁਰਦੁਆਰਾ ਪ੍ਰਬੰਧਕ ਕਮੇਟੀ ਦੇ ਪ੍ਰਬੰਧ ਅਧੀਨ ਚੱਲ ਰਹੇ ਬੱਬਰ ਅਕਾਲੀ ਮੈਮੋਰੀਅਲ ਖ਼ਾਲਸਾ ਕਾਲਜ ਗੜ੍ਹਸ਼ੰਕਰ ਦੇ ਬੀ.ਸੀ.ਏ. ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਜੇ.ਡੀ.ਸੀ. ਬਾਇਓਟੈਕ ਇੰਸਟੀਚਿਊਟ ਆਫ ਮੈਨੇਜਮੈਂਟ ਸਟੱਡੀਜ਼ ਐਂਡ ਰਿਸਰਚ ਨਾਸਿਕ ਵਲੋਂ ਕਰਵਾਈ ਦੇ ਦਿਨਾਂ ਖੇਤਰੀ ਕਾਨਫਰੰਸ ਵਿਚ ਆਪਣੇ ਖੋਜ ਪੱਤਰ ਪੇਸ਼ ਕੀਤੇ। ਐਡਵਾਂਸਿਜ਼ ਇਨ ਟੈਕਨਾਲੋਜੀ ਇਨੋਵੇਸ਼ਨ ਐਂਡ ਮੈਨੇਜਮੈਂਟ ਵਿਖੇ 'ਤੇ ਕਰਵਾਈ ਕਾਨਫਰੰਸ ਵਿਚ ਵਿਦਿਆਰਥਣ ਦੀਕਸ਼ਾ ਠਾਕੁਰ ਨੇ 'ਇੰਪੈਕਟ ਆਫ ਸਰਚ ਇੰਜਨਜ਼ ਐਂਡ ਆਲ ਬੇਸਡ ਕੰਟੈਂਟ ਕਰੀਏਸ਼ਨ ਪਲੇਟਫਾਰਮਜ਼ ਆਨ ਨੈਸ਼ਨਲ ਐਂਡ ਪਰਸਨਲ ਸਕਿਉਰਿਟੀ', ਮੰਨਤ ਅਤੇ ਦਿਕਸ਼ਾ ਨੇ 'ਅਗਮੈਂਟਡ ਐਂਡ ਵਰਚੁਅਲ ਰਿਐਲਟੀ ਇਨ ਈ-ਕਾਮਰਸ : ਏ ਪਾਥ ਟੂ ਇਨਹਾਂਸ ਕੋਂਜ਼ਿਊਮਰ ਐਂਗੇਜਮੈਂਟ' ਅਤੇ ਆਚਲ ਅਤੇ ਉਪਾਸਨਾ ਨੇ 'ਸਾਈਬਰ ਸਕਿਉਰਿਟੀ ਚੇਲੇਂਜਜ਼ ਇਨ ਡਿਜੀਟਲਲਏਜ਼ : ਪਰਸਨਲ ਐਂਡ ਨੈਸ਼ਨਲ ਬਰੈਟਸ ਫਰਾਮ ਡਾਟਾ ਸ਼ੇਅਰਿੰਗ ਵਿਖੇ 'ਤੇ ਆਪਣੇ ਖੋਜ-ਪੱਤਰ ਪੇਸ਼ ਕੀਤੇ। ਕਾਲਜ ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਅਮਨਦੀਪ ਹੀਰਾ ਨੇ ਕਾਲਜ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਇਸ ਪ੍ਰਾਪਤੀ 'ਤੇ ਕੋਂਪਿਊਟਰ ਵਿਭਾਗ ਦੇ ਮੁਖੀ ਡਾ. ਅਜੈ ਦੱਤਾ, ਸਮੂਹ ਸਟਾਫ਼ ਤੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਵਧਾਈ ਦਿੰਦੇ ਹੋਏ ਕਿਹਾ ਕਿ ਵਿਦਿਆਰਥੀਆਂ ਵਲੋਂ ਇਸ ਸੈਮੀਨਾਰ ਵਿਚ ਖੋਜ ਪੱਤਰ ਪੇਸ਼ ਕਰਨਾ ਬਹੁਤ ਵੱਡੀ ਪ੍ਰਾਪਤੀ ਹੈ ਜੋ ਵਿਭਾਗ ਦੇ ਅਧਿਆਪਕਾਂ, ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸਖਤ ਮਿਹਨਤ, ਸਮਰਪਣ ਅਤੇ ਤਕਨੀਕੀ ਨਵੀਨੀਕਰਨ ਦਾ ਨਤੀਜਾ ਹੈ। ਉਨ੍ਹਾਂ ਕਿਹਾ ਕਿ ਕਾਲਜ ਹਮੇਸ਼ਾਂ ਹੀ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਨਵੀਂ ਤਕਨੀਕੀ ਜਾਣਕਾਰੀ ਅਤੇ ਖੋਜ ਤਕਨੀਕਾਂ ਦੇ ਅਧਿਐਨ ਰਾਹੀਂ ਸਮੇਂ ਦਾ ਹਾਣੀ ਬਣਾਉਣ ਲਈ ਵਚਨਬੱਧ ਹੈ ਤਾਂ ਜੋ ਵਿਦਿਆਰਥੀ ਭਵਿੱਖ ਵਿਚ ਹਰ ਖੇਤਰ ਵਿਚ ਸਫਲਤਾ ਹਾਸਿਲ ਕਰ ਸਕਣ।



ਪੈਗਾਮ (ਖੋਜ ਪੱਤਰ ਪੇਸ਼ ਕੀਤੇ ਡਾ. ਪੁਨ (ਕਾਨੂੰਨ ਪੀ.ਯੂ. ਗੁਬਿਆ ਚੇਅਰਪ ਉਨ੍ਹਾਂ ਨੇ ਸੰਭਾਲਿਆ ਮਾਨ ਕਿ ਘੋਰ

ਸਕੂਲ ਆਫ ਐਮੀਨੈਂਸ, ਸ੍ਰੀ ਕੀਰਤਪੁਰ ਸਾਹਿਬ ਰੂਪਨਗਰ ਵੱਲੋਂ ਖੇਤਰੀ ਖੋਜ ਪੱਤਰ ਅਤੇ ਨਾਸਿਕ ਆਫ ਐਗਰੀਕਲਚਰ ਖੋਜ ਪੱਤਰ ਪੇਸ਼ ਕੀਤੇ

ਗੱਲ



ਦੇਸ਼ ਸੇਵਕ



ਖਾਲਸਾ ਕਾਲਜ ਦੇ ਬੀ.ਸੀ.ਏ. ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਨਾਸਿਕ ਵਿਖੇ ਹੋਏ ਸੈਮੀਨਾਰ 'ਚ ਖੋਜ ਪੱਤਰ ਪੇਸ਼ ਕੀਤੇ



ਹਰੀ ਕ੍ਰਿਸ਼ਨ ਗੰਗੜ

ਗੜ੍ਹਬੰਕਰ/27 ਮਾਰਚ : ਸ਼੍ਰੋਮਣੀ ਗੁਰਦੁਆਰਾ ਪ੍ਰਬੰਧਕ ਕਮੇਟੀ ਦੇ ਪ੍ਰਬੰਧ ਅਧੀਨ ਚੱਲ ਰਹੇ ਬੱਬਰ ਅਕਾਲੀ ਮੈਮੋਰੀਅਲ ਖਾਲਸਾ ਕਾਲਜ ਗੜ੍ਹਬੰਕਰ ਦੇ ਬੀ.ਸੀ.ਏ. ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਜੇ.ਡੀ.ਸੀ. ਬਾਇਓਟੈਕ ਇੰਸਟੀਚਿਊਟ ਆਫ ਮੈਨੇਜਮੈਂਟ ਸਟੱਡੀਜ਼ ਐਂਡ ਰਿਸਰਚ ਨਾਸਿਕ ਵਲੋਂ ਕਰਵਾਈ ਦੇ ਦਿਨਾਂ ਖੇਤਰੀ ਕਾਨਫਰੰਸ ਵਿਚ ਆਪਣੇ ਖੋਜ ਪੱਤਰ ਪੇਸ਼ ਕੀਤੇ। ਐਡਵਾਂਸਿਜ਼ ਇਨ ਟੈਕਨਾਲੋਜੀ ਇਨੋਵੇਸ਼ਨ ਐਂਡ ਮੈਨੇਜਮੈਂਟ ਵਿਸ਼ੇ 'ਤੇ ਕਰਵਾਈ ਕਾਨਫਰੰਸ ਵਿਚ ਵਿਦਿਆਰਥਣ ਦੀਕਸ਼ਾ ਠਾਕੁਰ ਨੇ 'ਇੰਪੈਕਟ ਆਫ ਸਰਚ ਇੰਜਨਜ਼ ਐਂਡ ਆਲ ਬੇਸਡ ਕੰਟੈਂਟ ਕਰੀਏਸ਼ਨ ਪਲੇਟਫਾਰਮਜ਼ ਆਨ ਨੈਸ਼ਨਲ ਐਂਡ ਪਰਸਨਲ ਸਕਿਉਰਿਟੀ', ਮੰਨਤ ਅਤੇ ਦਿਕਸ਼ਾ ਨੇ 'ਅਗਮੈਂਟਡ ਐਂਡ ਵਰਚੁਅਲ ਰਿਐਲਟੀ ਇਨ ਈ-ਕਾਮਰਸ : ਏ ਪਾਥ

'ਸਾਈਬਰ ਸਕਿਉਰਿਟੀ ਚੈਲੇਂਜਜ਼ ਇਨ ਡਿਜੀਟਲਏਜ਼ : ਪਰਸਨਲ ਐਂਡ ਨੈਸ਼ਨਲ ਬਰੈਂਡਸ ਫਰਾਮ ਡਾਟਾ ਸ਼ੇਅਰਿੰਗ ਵਿਸ਼ੇ 'ਤੇ ਆਪਣੇ ਖੋਜ-ਪੱਤਰ ਪੇਸ਼ ਕੀਤੇ। ਕਾਲਜ ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਅਮਨਦੀਪ ਹੀਰਾ ਨੇ ਕਾਲਜ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਇਸ ਪ੍ਰਾਪਤੀ 'ਤੇ ਕੰਪਿਊਟਰ ਵਿਭਾਗ ਦੇ ਮੁਖੀ ਡਾ. ਅਜੈ ਦੱਤਾ, ਸਮੂਹ ਸਟਾਫ ਤੇ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਵਧਾਈ ਦਿੰਦੇ ਹੋਏ ਕਿਹਾ ਕਿ ਵਿਦਿਆਰਥੀਆਂ ਵਲੋਂ ਇਸ ਸੈਮੀਨਾਰ ਵਿਚ ਖੋਜ ਪੱਤਰ ਪੇਸ਼ ਕਰਨਾ ਬਹੁਤ ਵੱਡੀ ਪ੍ਰਾਪਤੀ ਹੈ ਜੋ ਵਿਭਾਗ ਦੇ ਅਧਿਆਪਕਾਂ, ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਸਖ਼ਤ ਮਿਹਨਤ, ਸਮਰਪਣ ਤੇ ਤਕਨੀਕੀ ਨਵੀਨੀਕਰਨ ਦਾ ਨਤੀਜਾ ਹੈ। ਉਨ੍ਹਾਂ ਕਿਹਾ ਕਿ ਕਾਲਜ ਹਮੇਸ਼ਾਂ ਹੀ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਨਵੀਂ ਤਕਨੀਕੀ ਜਾਣਕਾਰੀ ਅਤੇ ਖੋਜ ਤਕਨੀਕਾਂ ਦੇ ਅਧਿਐਨ ਰਾਹੀਂ ਸਮੇਂ ਦਾ ਹਾਣੀ ਬਣਾਉਣ ਲਈ ਵਚਨਬੱਧ ਹੈ ਤਾਂ ਜੋ

ISBN 978-93-342-4247-8

Gokhale Education Society's

**J.D.C. Byteo Institute of Management Studies and
Research, Nashik 422005**

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Accredited by NAAC with B++ grade ISO 9001:2015 certified
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Proceedings of the Two day Regional Conference
on

**"Advances in: Technology, Innovation and
Management"**

4th & 5th March, 2025

organized by IQAC in Association with



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Inauguration of Dedicated

Websites for the Department of Computer Science and the Department of Commerce, along with the Launch of the Upgraded College News Portal at B.A.M. Khalsa College

Taking a significant step towards digital transformation, B.A.M. Khalsa College, Garhshankar, launched dedicated websites for the **Department of Computer Science** and the **Department of Commerce**. Along with this, the upgraded version of the **College News Portal**, equipped with modern features, was also inaugurated.

The inauguration ceremony was led by the **Principal, Dr. Amandeep Heera**, who officially launched the websites and the news portal.

This digital innovation aims to provide students with the latest academic information, research updates, and departmental activities. The newly launched websites will ensure quick access to departmental updates, academic resources, and other essential information.

The upgraded **College News Portal** will serve as an effective platform for promoting institutional achievements, activities, and news on a broader scale. It will enhance communication and information exchange between students, faculty, and the community.

Dr. Amandeep Heera congratulated the teams from the Computer Science and Commerce departments on this significant initiative and expressed confidence that this digital

advancement would mark a new chapter in students' academic and professional growth.

Prof. Kanwar Kulwant Singh and **Dr. Ajay Dutta** also shared their views, stating that this technological upgrade would further enhance interaction and information flow between students and faculty. They extended their appreciation to all the team members involved in this project for their commendable efforts.



खालसा कॉलेज में कंप्यूटर साइंस एवं कॉमर्स विभाग की वेबसाइट और नए अपग्रेडेड न्यूज पोर्टल का उद्घाटन किया गया

पैगाम-ऐ-जगत/गढ़शंकर-(हरि कृष्ण गंगर)

डिजिटल युग की ओर एक महत्वपूर्ण कदम उठाते हुए बब्बर अकाली मेमोरियल खालसा कॉलेज गढ़शंकर में कंप्यूटर साइंस एवं कॉमर्स विभाग की वेबसाइट लांच की गई तथा आधुनिक सुविधाओं से युक्त नए अपग्रेडेड कॉलेज न्यूज पोर्टल का भी उद्घाटन किया गया। कॉलेज प्रिंसिपल डॉ. अमनदीप हीरा ने वेबसाइट और न्यूज पोर्टल का उद्घाटन किया। इस अवसर पर बोलते हुए प्रिंसिपल डॉ. अमनदीप हीरा ने कहा कि डिजिटल इनोवेशन का उद्देश्य विद्यार्थियों को शिक्षा से संबंधित नवीनतम जानकारी, संशोधन गतिविधियों और विभाग की गतिविधियों से जोड़ना है। उन्होंने कहा कि इन नई वेबसाइटों के माध्यम से विद्यार्थियों को विभाग की अपडेट, शैक्षणिक संसाधन और अन्य महत्वपूर्ण जानकारी की उपलब्धता सुनिश्चित होगी। कॉलेज न्यूज पोर्टल के उन्नत होने से अब संस्थान की उपलब्धियों, गतिविधियों और समाचारों का व्यापक रूप से प्रचार-प्रसार हो सकेगा। प्रिंसिपल डॉ. अमनदीप हीरा ने इस महत्वपूर्ण पहल के लिए कंप्यूटर साइंस एवं कॉमर्स विभाग की टीम को बधाई दी।

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Babbar Akali Memorial Khalsa College News Portal (news.bamkc.edu.in) is an innovative digital platform dedicated to showcasing the latest updates, events, and achievements of the college. This portal serves as a centralized hub where various departments and cells actively contribute news and announcements through their individual login accounts.



Key Features of the News Portal:

- ✓ Multi-Department Participation
- ✓ Extensive Content Repository
- ✓ Decentralized Content Management
- ✓ User-Friendly Interface
- ✓ Enhanced College Visibility

This digital initiative reflects the college's commitment to transparency, engagement, and technological advancement in education.

Dr. Amandeep Heera
Principal, Babbar Akali Memorial Khalsa College Garhshankar

**Babbar Akali Memorial Khalsa College
Garhshankar, Hoshiarpur, Punjab**



**Launch of the dedicated websites for the
Department of Computer Science and
Department of Commerce, accompanied
by the inauguration of the newly upgraded
college news portal.**



Venue: SMART Room

Date: 4th April 2025

Time: 10 am

You are cordially invited to attend the ceremony

**Dr. Amandeep Heera
Principal**

Trip to Visit to Cremica Food Industries Ltd.

The Department of Commerce and Computer Science, in collaboration with the Institution's Innovation Council (IIC), organized an industrial visit to Cremica Food Industries Ltd. on [Date of Visit]. A total of 50 students, accompanied by five faculty members, participated in this enriching learning experience. The visit was conducted under the supervision of **Prof. Gursingh Singh Kalsi**, providing students with an opportunity to gain practical insights into the food processing industry.

Objective of the Visit:

The primary objective of this visit was to bridge the gap between theoretical knowledge and industrial practices. The students were exposed to real-time operations, quality control measures, supply chain management, and automation technologies used in food processing.

Key Highlights of the Visit:

- 1. Company Overview:** The visit commenced with an introduction to Cremica Food Industries Ltd., highlighting its history, product range, and market presence.
- 2. Manufacturing Process:** The students were taken through various production lines, observing the stages of food processing, from raw material selection to packaging.
- 3. Quality Control & Hygiene Standards:** The industry experts explained the importance of maintaining hygiene and quality control protocols to ensure food safety.
- 4. Technology & Automation:** Students gained insights into how modern technologies, including automated systems and AI-driven machinery, are integrated into food

production.

5. **Entrepreneurial Insights:** Company representatives provided valuable insights into business strategies, branding, and supply chain management.

Student Engagement & Learning Outcomes:

- Enhanced understanding of industrial operations in the food sector.
- Practical exposure to business processes and production strategies.
- Knowledge of regulatory standards and quality assurance mechanisms.
- Inspiration for entrepreneurship and career prospects in the FMCG industry.

Conclusion:

The industrial visit to Cremica Food Industries Ltd. proved to be a highly informative and interactive experience for the students. It enabled them to comprehend the nuances of industrial working environments and apply their academic learning to real-world scenarios. The Department of Commerce and Computer Science extends its gratitude to IIC and Cremica Food Industries Ltd. for facilitating this insightful visit and looks forward to organizing more such industry-academia interactions in the future.



Model Making Competition

On 27th February, 2025:

The Department of Computer Science of B.A.M. Khalsa College, Garhshankar in Collaboration with the Institution Innovation Council (IIC) celebrated **Model Making Competition** at Computers' Lab of B.A.M. Khalsa College, Garhshankar. The event aimed to foster the spirit of innovation among students and faculty members, inspiring them to explore innovative ideas and venture into the world . The celebration highlighted the importance of technology in today era. 40 Students of Computer Science Department actively took part in this event and make different models on technology like :

- (a)Generations of Computer
- (b)Vaccum Cleaner
- (c) Hologram
- (d)Networking
- (e)Burst Brain
- (f) Hardware



Inauguration of Augmented & Virtual Reality Bootcamp

The Institution's Innovation Council (IIC), Career Guidance and Placement Cell, and the Department of Computer Science at Babbar Akali Memorial Khalsa College, Garhshankar, in collaboration with the National Institute of Electronics and Information Technology (NIELIT), Chandigarh, proudly inaugurated the Augmented & Virtual Reality Bootcamp on February 28th, 2025. This bootcamp, conducted under the FutureSkills PRIME Scheme, aims to provide participants with in-depth knowledge and hands-on experience in AR/VR technologies and game development.

The inaugural session commenced in the esteemed presence of Dr. Amandeep Heera, Principal of the College, who extended a warm welcome to all distinguished guests, faculty members, and students. He emphasized the significance of emerging technologies like Augmented Reality (AR) and Virtual Reality (VR) in revolutionizing industries and creating new career opportunities for students.

Dr. Sarwan Singh, Joint Director, NIELIT, delivered the keynote address, highlighting the increasing demand for AR/VR applications in various sectors, including gaming, healthcare, education, and entertainment. He encouraged students to leverage this bootcamp as a stepping stone for developing industry-relevant skills.

The event was also graced by Prof. Kanwar Kulwant Singh (HOD, Commerce Department), Prof. Gurpreet Singh Kalsi and Prof. Deepika (Convener, IIC). Dr. Ajay Dutta (President, IIC) also addressed the audience, discussing the role of AR/VR technologies in fostering technical proficiency among students.



The event concluded with a vote of thanks by Prof. Kanwar Kulwant Singh, expressing gratitude to Dr. Sarwan Singh and his team members Mr. Lovnish Verma and Mr. Nikshep Paliwal and all attendees for their enthusiastic participation. This five-day bootcamp (March 3 – March 7, 2025) is expected

to equip students with cutting-edge knowledge, fostering innovation and skill development in AR/VR technologies.





BCA Third Year Students Launch Startup 'VICO' for e-Learning and Digital Branding

Department of Computer Science and Applications is celebrating the entrepreneurial achievement of two of its BCA students, Anchal and Upasna, who have successfully launched their own company named as, **Visual Intelligence of Coding (VICO)**.

Registered under the Micro, Small, and Medium Enterprises (MSME), Govt. of India, VICO is dedicated to providing e-Learning, Website Designing, and Digital Branding services.

Their venture aims to blend technology and creativity, fostering innovation in the digital space.

The college's Incubation Centre (IIC) has played a significant role in supporting and mentoring the students in their journey. Dr. Amandeep Heera, Principal of Babbar Akali Memorial Khalsa College and Dr. Ajay Dutta, Head of department of computer science and applications, extended heartfelt congratulations to Anchal and Upasna, applauding their dedication, vision, and entrepreneurial spirit.

"This achievement is an inspiration to all students, proving that with hard work and innovative thinking, young minds can shape the future of technology and business," remarked Dr. Heera.

VICO's launch marks a proud moment for the institution, showcasing the growing culture of startups and self-reliance among students. The entire college community wishes them great success in their entrepreneurial journey.

Quiz Competition on Cyber Security

The Department of Computer Science and applications, in collaboration with the Institution's Innovation Council (IIC), successfully organized a Cyber Security Quiz Competition on 12th January 2025. This initiative aimed to raise awareness about cyber security threats, enhance technical knowledge, and promote a culture of digital safety among students.

All the undergraduate and postgraduate students from various disciplines were allowed to participate in the quiz. As a

result, over 40 students enthusiastically participated in this quiz competition. Many questions regarding cyber threats, security and precautions were asked from the competitive teams and Interactive Q&A sessions with the audience which enhanced the knowledge of all regarding the subject. The winners were awarded with certificates and prizes to acknowledge their efforts. Also, participation certificates were also distributed to all the other participants.

The Cyber Security Quiz Competition was a resounding success, fostering awareness about the importance of cyber hygiene. Participants expressed their gratitude for the opportunity to learn in an engaging manner.

The event was meticulously planned and executed under the guidance of event coordinator Prof. Harpreet Kaur and team members – Prof. Kamini, Prof. Narinder Jit Kaur, Prof. Priyanka Bhatia and Prof. Harjot Kaur.

The Department of Computer Science and the Institution's Innovation Council extend their sincere thanks to all participants, faculty members, and the institution's leadership for their unwavering support in making the event successful.

Result Out – Shinning Stars of BCA 2nd Year

The result of Bachelor's in Computer Application (BCA) third semester has been declared on 31st January, 2025. All the students of BCA III-Semester of Computer Science and Applications Department performed very well. The Principle of B.A.M. Khalsa College, Dr. Amandeep Heera and the Head of the

Computers' Department Dr. Ajay Dutta congratulated them and give their best wishes to all the students and especially to our Shinning Stars who secured first three positions as well as to the teachers who make them able to achieve this.

First Position:	DEEPIKA		89%
Second Position:	SANEHA SANJU	82.9%	
Third Position:	DRISHTI		82.1%