AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR PUNJAB

DESCRIPTION OF PROGRAMME OUTCOMES

NAME OF THE DEAPRTMENT**: Biotechnology & Food Processing**

NAME OF THE PROGRAMME: **B.Sc. (Hons.) biotechnology**

P.O. No.	Description of Programme Outcome	Domain as per Bloom's Taxonomy	Level of Bloom Taxonomy*
PO-1	Possess knowledge and comprehension of the core and basic knowledge associated with the profession of biotechnology, including agricultural science, pharmaceutical science and food science	**Cognitive**	**1**
PO-2	Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills.	**Psychomotor**	**1,2,3**
PO-3	Utilize the principles of scientific enquiry and thinking analytically, clearly & critically while solving problems and making decisions during daily practices.	**Affective**	**1,2,3**
PO-4	Locate, select and apply appropriate methods and procedures, resources and modern biotechnology-related computing tools with an understanding of the limitations.	**Psychomotor**	**1,2,3,4,5,6**
PO-5	Communicate effectively with the biotechnology community and with society at large such as, being able to comprehend and write effective reports, make effective presentations-documentation and give and receive clear instructions.	**Cognitive**	**1**
PO-6	Explain the impact of professional biotechnology solutions in societal and environmental contexts and demonstrate the knowledge and need for sustainable development	**Cognitive**	**1**
PO-7	Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs.	**Cognitive**	**1**
PO-8	Developing the processes and applications which will have profound impact on sectors such as agriculture, industry, healthcare and restoration of degraded environment to provide sustainable competitive edge to present society.	**Psychomotor**	**1,2,3,4,5,6**
PO-9	Recognize the solutions for complex biological-based problems and design the process that address to the specific needs for the public health, safety and environmental considerations	**Cognitive**	**1**
PO-10	Work effectively as an individual, member or the leader of diverse teams in multidisciplinary settings.	**Affective**	**1,2,3**
PO-	Explain knowledge in the field of biotechnology and	**Cognitive**	**1**

11/PSO1	applied sciences.		
PO-12/PSO2	Design and conduct experiments in biotechnology as well as analyze and interpret data.	**Psychomotor**	**1,2,3,4,5,6**
PO-13/PSO3	Demonstrate current techniques, skills and modern tools necessary for modeling and design of bioprocesses	**Cognitive , Psychomotor**	**1,2,3**
PO-14/PSO4	Develop and implement plans and organize work to meet deadlines.	**Cognitive**	**1,2,3,4,5,6**
PO-15/PSO5	Recognize and attain an opportunity in Entrepreneurship sector.	**Cognitive**	**1, 2, 3**

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DESCRIPTION OF PROGRAMME OUTCOMES

NAME OF THE DEAPRTMENT**: Biotechnology & Food Processing**

NAME OF THE PROGRAMME: **M.Sc. (Hons.) biotechnology**

P.O. No.	Description of Programme Outcome	Domain as per Bloom's Taxonomy	Level of Bloom Taxonomy*
PO-1	Communicate effectively with the biotechnology community and with society at large such as, being able to comprehend and write effective reports, make effective presentations-documentation and give and receive clear instructions.	Cognitive	1
PO-2	Identify the impact of professional biotechnology solutions in societal and environmental contexts and demonstrate the knowledge and need for sustainable development.	Cognitive	1
PO-3	Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs.	Affective	1,2,3
PO-4	Work effectively as an individual, member or the leader of diverse teams in multidisciplinary settings.	Affective	1,2,3
PO-5	Recognize the solutions for complex biological-based problems and design the process that address to the specific needs for the public health, safety and environmental considerations	Psychomotor	1,2,3,4,5,6
PO-6	Develop the processes and applications which will have profound impact on sectors such as agriculture, industry, healthcare and restoration of degraded environment to provide sustainable competitive edge to present society.	Psychomotor	1,2,3,4,5,6
PO-7	Possess knowledge and comprehension of the core and advanced knowledge associated with the profession of biotechnology, including molecular biology, pharmaceutical microbiology, cell biology etc.	Cognitive	1,2
PO-8	Identify, select and apply appropriate methods and procedures, resources and modern biotechnology-related computing tools with an understanding of the limitations	Affective	1,2,3
PO-9	Utilize the principles of scientific enquiry, thinking analytically, clearly and critically while solving problems and making decisions during daily practices.	Affective	1,2,3
PO-10	Demonstrate effective planning abilities including time management. Resource management, delegation skills and organizational skills.	Psychomotor	1,2,3
PO-11/PSO1	Explain knowledge in the field of biotechnology and applied sciences.	Cognitive	1,2
PO-	Design and conduct experiments in biotechnology as well	Psychomotor	1,2,3,4,5,6

12/PSO2	as analyze and interpret data.		
PO-13/PSO3	Demonstrate current techniques, skills and modern tools necessary for modeling and design of bioprocesses	**Cognitive , Psychomotor**	**1,2,3**
PO-14/PSO4	Develop and implement plans and organize work to meet deadlines.	**Cognitive**	**1,2,3,4,5,6**
PO-15/PSO5	Recognize and attain an opportunity in Entrepreneurship sector.	**Cognitive**	**1,2,3**

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR PUNAJB

DESCRIPTION OF PROGRAMME OUTCOMES

NAME OF THE DEAPRTMENT**: Biotechnology& Food Processing**

NAME OF THE PROGRAMME: **B.Voc. Food Processing**

P.O. No.	Description of Programme Outcome	Domain as per Bloom's Taxonomy	Level of Bloom Taxonomy*
PO-1	Develop skills to learning, selecting and applying appropriate methods, procedures, resources, tools and machineries	psychomotor	**1,2,3,4,5,6.**
PO-2	Define and discuss standards of industrial performance	Cognitive	**1,2**
PO-3	Explain and evaluate the production processes for various processed foods	Cognitive	**1,2,3,4,5,6**
PO-4	Identify and evaluate problems, and demonstrate effective analysis by applying principles of basic sciences, and engineering.	psychomotor	**1,2,3,4,5,6**
PO-5	Apply critical thinking and sound reasoning via management of resources like time, money and energy.	Affective	**1,2,3,4,5,6**
PO-6	Analyse, design and develop processes/products that are technically feasible, economically viable and socially relevant	psychomotor	**1,2,3,4,5**
PO-7	Draft clear and well-structured reports, presentations and documents.	psychomotor	**1,2,3,4,5,6**
PO-8	Discuss theoretical foundations and practical applications using precise terminology, valid and reliable evidence.	Affective	**1,2,3,4,5,6**
PO-9	**Plan, organize, and execute a project or new venture with the goal of bringing new products and service to the market**	psychomotor	**1,2,3,4,5,6**
PO-10	Develop international standards through significant industry involvement.	psychomotor	**1,2,3,4,5**
PO-11/ PSO1	Develop skills for operating various types of dairy processing machineries for producing dairy products.	psychomotor	**1,2,3,4,5**
PO-	Explain and performs various	psychomotor	**1,2,3,4,5,6**

12/PSO2	packaging functions and handles all categories of packaging such as primary, secondary and tertiary packaging for food products.		
PO-13/ PSO3	Plan, design and carry out milling process for all types of grains, maintenance of process parameters, inspection of raw material and finished goods to achieve the desired quality and quantity of products while maintaining food safety and hygiene in the work environment.	Psychomotor	**1,2,3,4,5,6**
PO-14/ PSO4	Planning, coordinating and controlling production process to achieve quantity and quality products, reviewing production process to minimize production cost and optimizing production.	psychomotor	**1,2,3,4,5,6**
PO-15/ PSO5	Critically analyze research processes, products and practices with a view to introduce a new product in the market.	psychomotor	**1,2,3,4,5,6**

*These **six levels** are: (1) knowledge, (2) comprehension, (3) application, (4) analysis, (5) synthesis, and (**6**) evaluation

PO 1-10 GENERIC

PO11-15 SPECIFIC or PSOs

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR PUNAJB

DESCRIPTION OF PROGRAMME OUTCOMES

NAME OF THE DEAPRTMENT: **COMMERCE**

NAME OF THE PROGRAMME: **B.COM**

P.O. No.	Description of Programme Outcome	Domain as per Bloom's Taxonomy	Level of Bloom Taxonomy *
PO1	Enhance the Knowledge of Business and Commerce and will create an ability to pursue higher education.	*Cognitive*	*1,2,3,4,5,6.*
PO2	Compare and contrast between the strong conceptual knowledge of Business & its functional areas	*Cognitive*	1,2,3,4,5,6
PO3	Determine the effective way to expose students towards their oral and written communication skills in the professional context through proper knowledge of language	*Psychomotor*	1,2,3,4,5,6
PO4	Aptitude of understanding which will promote each graduate to be capable in identifying and understanding major commerce trends both locally and globally.	*Psychomotor*	1,2,3,4,5,6
PO5	Support students to work adequately in teams and manifest team-building capabilities in the students.	*Psychomotor*	1,2,3,4
PO6	Construct strength in students to identify problems and collect relevant data that will help students to give them competence in finding solution of problems.	*Psychomotor*	1,2,3,4
PO7	Create a potential in students to be assess	*Cognitive*	1,2,3,4,5,6

	the legal, social and economic surrounding of business.		
PO8	Construction of ethical principles in business and commerce which helps students to interpret professional and ethical responsibility.	*Affective*	1,2,3,4,5,6
PO9	Upgrade the capability to grasp and usage of modern tools and technologies	*Psychomotor*	1,2,3,4,5
PO10	Upgrade skill in students to perform effectively as a leader as well as a member of a team	*Psychomotor*	1,2,3,4
PO11	Encourage students to develop each graduate to be a critical thinker and strong decision maker	*Cognitive*	1,2,3,4,5,6
PO12	Acquire the potentiality to engage independent and life long learning.	*Cognitive*	1,2,3,4,5,6
PO13	Accomplish business ideas, develop business plans, understand regulatory requirements, and locate sources of finance and other resources to start new business ventures.	*Psychomotor*	1,2,3
PO14	Expand and Practice gender sensitive attitudes, Environmental awareness, social awareness among students and the ability	*Affective*	1,2,3
PO15	Strengthen of students through professional education as well as Value based education that's They will up to date.	*Affective*	1,2,3,4

*These six levels are: (1) knowledge, (2) comprehension, (3) application, (4) analysis, (5) synthesis, and (6) evaluation

PO 1-10 GENERIC

PO11-15 SPECIFIC or PSOs

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR PUNAJB

DESCRIPTION OF PROGRAMME OUTCOMES

NAME OF THE DEAPRTMENT: COMMERCE

NAME OF THE PROGRAMME: M.COM

P.O. No.	Description of Programme Outcome	Domain as per Bloom's Taxonomy	Level of Bloom Taxonomy *
PO1	Enhance the Knowledge of Business and Commerce and will create an ability to pursue higher education.	Cognitive	1,2,3,4,5,6.
PO2	Compare and contrast between the strong conceptual knowledge of Business & its functional areas	Cognitive	1,2,3
PO3	Determine the effective way to expose students towards their oral and written communication skills in the professional context through proper knowledge of language	Psychomotor	1,2,3,4,5,6
PO4	Aptitude of understanding which will promote each graduate to be capable in identifying and understanding major commerce trends both locally and globally.	Psychomotor	1,2,3,4,5,6
PO5	Support students to work adequately in teams and manifest team-building capabilities in the students.	Psychomotor	1,2,3,4,5,6
PO6	Construct strength in students to identify problems and collect relevant data that will help students to give them competence in finding solution of	Psychomotor	1,2,3,4,5,

	problems.		
PO7	Ready for employment in functional areas like Accounting, Taxation, Banking, Insurance.	*Cognitive*	1,2,3,4,5,6
PO8	Apply ethical principles and commit to the professional ethics and norms.	*Affective*	1,2,3,4,5,6
PO9	Upgrade the capability to grasp and usage of modern tools and technologies	*Cognitive*	
PO10	Upgrade skill in students to perform effectively as a leader as well as a member of a team	*Psychomotor*	1,2,3,4
PO11	Encourage students to develop each graduate to be a critical thinker and strong decision maker	*Cognitive*	1,2,3,4,5,6
PO12	Recognize the need for and have the preparation and ability to engage in independent and lifelong learning.	*Cognitive*	1,2,3
PO13	Ability to start entrepreneurial activities.	*Psychomotor*	1,2,3,4
PO14	Expand and Practice gender sensitive attitudes, Environmental awareness, social awareness among students and the ability	*Affective*	1,2,3,4,5,6
PO15	Inculcate ethical values, team work, leadership and managerial skills	*Affective*	1,2,3,4,5,6

*These six levels are: (1) knowledge, (2) comprehension, (3) application, (4) analysis, (5) synthesis, and (6) evaluation

PO 1-10 GENERIC

PO11-15 SPECIFIC or PSOs

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR PUNJAB

DESCRIPTION OF PROGRAMME OUTCOMES

Name of The Department : **Department of Computer Science**

Name of The Programme : **BCA (Bachelors in Computer Applications)**

P.O. No.	Description of Programme Outcome	Domain as per Bloom's Taxonomy	Level of Bloom Taxonomy*
PO-1	Use the knowledge and concepts of computer science in day today life.	COGNITIVE	**1, 2, 3**
PO-2	Adhere design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society.	COGNITIVE	**1, 2, 3, 4, 5, 6**
PO-3	Calibrate to identify, critically analyze and formulate complex computing problems using fundamentals of computer science and application domains.	PSYCHOMOTOR	**1, 2, 3, 4, 5, 6**
PO-4	Apply appropriate technologies and tools with an understanding of limitations.	COGNITIVE	**1, 2, 3**
PO-5	Demonstrate knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional practice.	PSYCHOMOTOR	**1, 2, 3, 4, 5, 6**
PO-6	Interpret the impact of the computational solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.	COGNITIVE	**1, 2, 3, 4, 5, 6**
PO-7	Accumulate professional and ethical responsibility.	AFFECTIVE	**1, 2, 3**
PO-8	Adapt effectively as an individual, and as a member or leader in diverse/multidisciplinary teams.	COGNITIVE	**1, 2, 3, 4, 5, 6**
PO-9	Pick up good communication and presentation skills.	PSYCHOMOTOR	**1, 2, 3, 4, 5, 6**
PO-10	Identify the need for and develop the ability to engage in continuous learning as a Computing professional.	AFFECTIVE	**1, 2, 3**
PO-11/ PSO1	Cite the knowledge and concepts of computer application to ease the daily routine tasks.	COGNITIVE	**1, 2, 3**
PO-12 /PSO2	Generate knowledge, how to identify, formulate and design solutions in the areas of Computer Science and Engineering	PSYCHOMOTOR	**1, 2, 3, 4, 5, 6**
PO-13/ PSO3	Assess theoretical foundations of different branches of Computer Science so that students can pursue for higher studies	COGNITIVE	**1, 2, 3, 4, 5, 6**
PO-14/ PSO4	Appraise, explore and build up computer programs in the allied areas like Algorithms, System Software, Multimedia, Web Design and Web applications for computer-based systems of varying complexity.	COGNITIVE	**1, 2, 3, 4, 5, 6**

PO-15/ PSO5	Commend Employability by developing leadership, effective communication & time management skills and also by incorporating ethics & team work ability	AFFECTIVE	**1, 2, 3**

*These **six levels** are: (1) knowledge, (2) comprehension, (3) application, (4) analysis, (5) synthesis, and (**6**) evaluation

PO 1-10 GENERIC

PO11-15 SPECIFIC or PSOs

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR PUNAJB

DESCRIPTION OF PROGRAMME OUTCOMES

Name of The Department   :   Department of Computer Science

Name of The Programme   :   PGDCA (Post Graduate Diploma in Computer Applications)

P.O. No.	Description of Programme Outcome	Domain as per Bloom's Taxonomy	Level of Bloom Taxonomy
PO-1	Illustrate the key concepts of Information Technology	COGNITIVE	**1**
PO-2	Apply information technology for better organizational performance	COGNITIVE	**1, 2, 3**
PO-3	Evaluate the latest trends in various subjects of computers & information technology.	COGNITIVE	**1, 2, 3, 4, 5, 6**
PO-4	Applying the computing techniques to solve business problems.	AFFECTIVE	**1, 2, 3**
PO-5	Operate proficiently the data and office management.	PSYCHOMOTOR	**1, 2, 3**
PO-6	Practise the skills to work on multidisciplinary managerial tasks.	PSYCHOMOTOR	**1, 2**
PO-7	Illustrating well by communicating with a wide range of audiences.	COGNITIVE	**1, 2, 3, 4, 5, 6**
PO-8	Identify hardware & software Specification which will be of computer system.	PSYCHOMOTOR	**1, 2, 3, 4, 5, 6**
PO-9	Identify , software engineering, networking, hardware knowledge,	COGNITIVE	**1, 2, 3**
PO-10	Applying the techniques, skills & modern programming tools, software development practice.	PSYCHOMOTOR	**1, 2, 3, 4, 5, 6**
PO-11/ PSO1	Apply appropriate tools of office automation.	COGNITIVE	**1, 2**
PO-12 /PSO2	Identify and use Basic concept, and Programming language.	PSYCHOMOTOR	**1, 2, 3**
PO-13/ PSO3	Demonstrate the technical knowhow in field of IT Applications.	COGNITIVE	**1**
PO-14/ PSO4	Recognize their career opportunities by learning IT skills and in the software development sector in the state.	AFFECTIVE	**1, 2, 3**
PO-15/ PSO5	Appraise students to decide in choosing the options available if the students wishes to go for further studies	COGNITIVE	**1, 2, 3, 4**

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR PUNAJB

DESCRIPTION OF PROGRAMME OUTCOMES

Name of The Department   :   Department of Computer Science

Name of The Programme   :   M. Sc. (IT) - Master of Science in Information Technology

P.O. No.	Description of Programme Outcome	Domain as per Bloom's Taxonomy	Level of Bloom Taxonomy*
PO-1	Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for computing models from defined problems and requirements.	COGNITIVE	**1, 2, 3**
PO-2	Identify, formulate and solve computing problem searching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.	PSYCHOMOTOR	**1, 2, 3, 4, 5, 6**
PO-3	Design and evaluate solutions for computing problems, and design and evaluate systems, components, or processes that meet specified needs.	PSYCHOMOTOR	**1, 2, 3, 4, 5, 6**
PO-4	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice	COGNITIVE	**1, 2, 3**
PO-5	Build, select, adapt and apply appropriate techniques, resources, and modern computing tools to computing activities, with an understanding of the limitations.	PSYCHOMOTOR	**1, 2, 3**
PO-6	Identify and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practices.	AFFECTIVE	**1, 2**
PO-7	Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.	COGNITIVE	**1, 2, 3**
PO-8	Demonstrate effectively with the computing community, and with society at large, about computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.	PSYCHOMOTOR	**1, 2**
PO-9	Assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practices.	COGNITIVE	**1, 2, 3, 4, 5, 6**
PO-10	Adapt and work effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.	COGNITIVE	**1, 2, 3, 4, 5, 6**

PO-11/ PSO1	Apply the knowledge of computer science tools and techniques to solve real world problems.	COGNITIVE	**1, 2, 3, 4**
PO-12/ PSO2	Recognizing broad range of programming language platforms	COGNITIVE	**1, 2**
PO-13/ PSO3	Accumulating Learners with the ability to route their talent into higher education M. Tech, M. Phil, Ph. D and preparing for examinations such as UGC NET, JRF,GATE etc.	COGNITIVE	**1**
PO-14/ PSO4	Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.	AFFECTIVE	**1, 2**
PO-15/ PSO5	Demonstrate the ability to define the structure and development methodologies of software systems.	COGNITIVE	**1, 2, 3**

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE, BELA, ROPAR, PUNJAB.

DESCRIPTION OF PROGRAM OUTCOMES

NAME OF THE DEPARTMENT: DEPARTMENT OF HUMANITIES

NAME OF THE PROGRAM   : BA

PO No.	Description of program outcomes	Domain as per Bloom's Taxonomy (cognitive/affective/psychomotor)	Level of Bloom Taxonomy*
PO 1	Acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	**Cognitive**	**1,2,3**
PO 2	Apply of three year course of BA enable students to gain a deep knowledge in History, Economics, Linguistic, Geographical and Political Science.	**Affective**	**1,2,3**
PO 3	Build students to face modern challenges in today's corporate life. Allow students to meet the requirements of the market.	**Psychomotor**	**1,2,3,4,5,6**
PO 4	Develop students as to ensure that they are turned up to date in social activities. Identify, formulate & analyze social problems to arrive at sustained conclusions using principles of humanity.	**Cognitive**	**1,2,3,4**
PO 5	Adhere ethical principles and develop strong commitment towards professional ethics and norms.	**Affective**	**1,2,3,4,5,6**
PO 6	Analyze the impact of responsibility of pursuing the environment and demonstrate the knowledge of, and need for sustainable development.	**Cognitive**	**1,2,3,4**
PO 7	Adapt effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	**Affective**	**1,2,3**
PO 8	Devise effective communication on day to day activities with the	**Psychomotor**	**1,2,3,4,5,6**

	professional community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.		
PO 9	Demonstrate the knowledge of the understanding of the economic fundamental principle of managing a project and apply the same in one's own work as a member and as a leader of a team, to manage project in a multi disciplinary environment.	**Cognitive**	**1,2,3,4,5,6**
PO 10	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the context of social sciences.	**Affective**	**1,2,3,4**
PSO 1	Practise the students with the basic of sound knowledge in their chosen areas of study, the ability to apply the knowledge they have required.	**Psychomotor**	**1,2,3,4**
PSO 2	Formulate students to have better language skills.	**Cognitive**	**1,2,3,4**
PSO 3	Empowers students to demonstrate the ability to innovate, the ability to execute the most daunting of challenges in the most trying of circumstances.	**Psychomotor**	**1,2,3,4**
PSO 4	Design to create synergies amongst the most diverse set of variables and the ability to continuously learn, improvise, adapt, energize, excel and grow.	**Cognitive**	**1,2,3,4,5**
PSO 5	Availing the job opportunity in translation transformation and media.	**Psychomotor**	**1,2,3,4,5,6**

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE, BELA, ROPAR, PUNJAB.

DESCRIPTION OF PROGRAM OUTCOMES

NAME OF THE DEPARTMENT: DEPARTMENT OF MANAGEMENT STUDIES

NAME OF THE PROGRAM   : BBA

PO No.	Description of program outcomes	Domain as per Bloom's Taxonomy (cognitive/affective/psychomotor)	Level of Bloom Taxonomy*
PO 1	**Knowledge:** Define, describe & discuss the major theories of management. Generate new ideas of business development. Apply the knowledge of business mathematics, business economics & business principles to the solution of complex management problems.	Cognitive	1,2,3
PO 2	**Management:** Apply of three year course of BBA enable students to gain a deep knowledge in Management, HRM & Finance.	Affective	1,2,3,4,5,6
PO 3	**Management students and society:** Develop students to face modern challenges in today's corporate life. Allow students to meet the requirements of the market.	Psychomotor	1,2,3,4,5,6
PO 4	**Problem analysis:** Develop learners as to ensure that they are turned up to date in management. Identify, formulate & analyze management problems to arrive at sustained conclusions using principles of management.	Cognitive	1,2,3,4

PO 5	**Ethics:** Apply ethical principles and develop strong commitment towards professional ethics and social responsibility.	**Affective**	**1,2,3,4,5,6**
PO 6	**Environment & sustainability:** Analyze the impact of the professional management solutions & techniques in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	**Cognitive**	**1,2,3,4**
PO 7	**Individual & team work:** Develop effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	**Affective**	**1,2,3**
PO 8	**Communication:** Develop effective communication on complex management activities with the management community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	**Psychomotor**	**1,2,3,4,5,6**
PO 9	**Project management & Finance:** Demonstrate the knowledge of the understanding of the management fundamental principle of managing a project and apply the same in one's own work as a member and as a leader of a team, to manage project in a multi disciplinary environment.	**Psychomotor**	**1,2,3,4,5,6**

PO 10	**Lifelong learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of management & technological change. Develop as learner so that learning may go as life goes on.	**Affective**	**1,2,3,4,5,6**
PSO 1	Helped in designing with the objective of developing young men and women into highly adept professional managers.	**Psychomotor**	**1,2,3,4**
PSO 2	Develop & Help students to explore practical application of the Retailing management concept.	**Cognitive**	**1,2,3,4**
PSO 3	Empowers students to demonstrate the ability to innovate, the ability to execute the most daunting of challenges in the most trying of circumstances.	**Psychomotor**	**1,2,3,4**
PSO 4	Helped to create synergies amongst the most diverse set of variables and the ability to continuously learn, improvise, adapt, energize, excel and grow.	**Cognitive**	**1,2,3,4,5**
PSO 5	Encourage student on their professional development plans by reflecting on their first year's learning and Summer Internship experiences.	**Psychomotor**	**1,2,3,4,5,6**

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE, BELA, ROPAR, PUNJAB.

DESCRIPTION OF PROGRAM OUTCOMES

NAME OF THE DEPARTMENT: DEPARTMENT OF MANAGEMENT STUDIES

NAME OF THE PROGRAM   : B.VOC (RETAIL MANAGEMENT & IT)

PO No.	Description of program outcomes	Domain as per Bloom's Taxonomy (cognitive/affective/psychomotor)	Level of Bloom Taxonomy*
PO 1	**Knowledge:** Define, describe & discuss the major theories of Retailing management. Generate new ideas of business development. Apply the knowledge of brand, product management, IT & business principles to the solution of complex management problems.	Cognitive	1,2,3
PO 2	**Management:** Apply of three year course of B.VOC (RM&IT) enable students to gain a deep knowledge in Retail Management.	Affective	1,2,3,4,5,6
PO 3	**Management students and society:** Develop students to face modern challenges in today's Retailing. Allow students to meet the requirements of the market.	Psychomotor	1,2,3,4
PO 4	**Problem analysis:** Develop learners as to ensure that they are turned up to date in Retail management. Identify, formulate & analyze Retail management problems to arrive at sustained conclusions using principles of	Cognitive	1,2,3,4

	management.		
PO 5	**Ethics:** Apply ethical principles and develop strong commitment towards professional ethics and social responsibility.	**Affective**	**1,2,3,4,5,6**
PO 6	**Environment & sustainability:** Analyze the impact of the professional management solutions & techniques in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	**Cognitive**	**1,2,3**
PO 7	**Individual & team work:** Develop effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	**Affective**	**1,2,3,4**
PO 8	**Communication:** Develop effective communication on complex retail management activities with the retailing community and with society at large, such as, being able to make effective presentations, and give and receive clear instructions.	**Psychomotor**	**1,2,3,4**
PO 9	**Project management & Finance:** Demonstrate the knowledge of the understanding of the Retailing fundamental principle of managing a retail project and apply the same in one's own work as a member and as a leader of a team, to manage project in a multi disciplinary environment.	**Psychomotor**	**1,2,3,4,5,6**
PO 10	**Lifelong learning:** Recognize the need for, and have the preparation and ability to engage in	**Affective**	**1,2,3,4,5,6**

	independent and life-long learning in the broadest context of management & technological change. Develop as learner so that learning may go as life goes on.		
PSO 1	Understand the functions of retail business and various retail formats and retail channels along with IT applications.	**Psychomotor**	**1,2,3,4**
PSO 2	Helped in designing with the objective of developing young men and women into highly adept professional Retailing managers.	**Cognitive**	**1,2,3,4**
PSO 3	Empowers students to demonstrate the ability to innovate, the ability to execute the most daunting of challenges in the most trying of circumstances.	**Psychomotor**	**1,2,3,4**
PSO 4	Develop ability to continuously learn, improvise, adapt, energize, excel and grow in their respective functional area of retail and IT.	**Cognitive**	**1,2,3,4,5**
PSO 5	Encourage student on their professional development plans by reflecting on their first year's learning and Summer Internship experiences.	**Psychomotor**	**1,2,3,4,5,6**

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR PUNAJB

DESCRIPTION OF PROGRAMME OUTCOMES

Name of the Department   :   Department of Mathematics

Name of the Programme   :   M.Sc. (Mathematics)

P.O. No.	Description of Programme Outcome	Domain as per Bloom's Taxonomy	Level of Bloom Taxonomy
PO-1	Identify and solve complex scientific problems using mathematical skills	Psychomotor	1,2,3,4,5,6
PO-2	Develop flair by participating in various social and cultural activities, in order to spread knowledge, awareness about the social evils, blinds faith.	cognitive	3,4,5
PO-3	Inculcate skills to excel in the field of mathematics, information technology and its related fields, government and private sectors, teaching and research.	Psychomotor	1,2,3,4,5,6
PO-4	Apply knowledge of Mathematics, in all the fields of learning including higher research and its extensions.	cognitive	1,2,3,4,5
PO-5	Encourage personality development skills like time management, crisis management, stress interviews and working as a team.	Psychomotor	1,2,3,4
PO-6	Implement ethical principles and responsibilities of mathematician to serve the society .	Affective	1,2,3,4,5,6
PO-7	Adopt changing scientific environment in the process of sustainable development by using mathematical tools.	Psychomotor	2,3,4
PO-8	Communicate mathematical thoughts and ideas clearly and concisely to others in the oral and written form.	cognitive	1,2,3,4,5,6
PO-9	Investigate and solve unfamiliar math problems	Psychomotor	3,4,5
PO-10	Demonstrate proficiency in writing proofs.	cognitive	1,2,3
PO-11/ PSO1	Develop mathematics thinking, Strategy to solve the problems and analysis.	Affective	1,2,3,4,5,6

PO-12/PSO2	Apply and implement mathematical statistical tools to analysis the data.	cognitive	1,2,3,4,5
PO-13/ PSO3	Apply numerical aptitude applying both qualitative and quantitative knowledge for their future carrier.	psychomotor	4,5,6
PO-14/ PSO4	Handel the advance techniques in algebra, analysis, optimization, differential equation and design algorithms solving variety of problem related to real life problems.	Psychomotor	1,2,3,4,5,6
PO-15/ PSO5	Demonstrate basic manipulative skills in algebra, geometry, trigonometry, and beginning calculus	Psychomotor	3,4,5,6

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR (PUNJAB)

DESCRIPTION OF PROGRAMME OUTCOMES

NAME OF THE DEAPRTMENT: Physical Sciences

NAME OF THE PROGRAMME: B.Sc. (Nonmedical / Computer Science)

P.O. No.	Description of Programme Outcome	Domain as per Bloom's Taxonomy	Level of Bloom Taxonomy*
PO-1	**Basic Scientific Knowledge:** Acquired the knowledge With facts and figures related to various subjects in pure sciences.	Cognitive	1,2,3,4,5,6
PO-2	**Communication skills:** Build the skills of speak, write, read and listen	Psychomotor	1,2,3
PO-3	**Ethics:** Adapt scientific conduct and ethical responsibilities.	Affective	1,2,3,4
PO-4	**Life-long learning:** Engaged in Life-long learning with changing environment and positive attitude**.**	Affective	1,2,3,4,5
PO-5	**Social Contribution and Social Responsibility:** Apply scientific theories and their relevancies in day	Affective	**4,5,6**

	to day life.		
PO-6	**Team Work:** Execute the knowledge in various fields of science and work as a team**.**	Psychomotor	1,2,3,4
PO-7	**Personality development:** Accumulate, management, principles and apply these to develop overall personality**.**	Affective	1,2
PO-8	**Leadership skills:** To cultivating a conductive environment, effective leadership quality and attributes to achieve the goals of organization**.**	Psychomotor	2,3,4
PO-9	**Problem solving skills:** Identify, analyze, evaluate and apply information scientifically to solve problems.	Affective	4,5,6
PO-10	**Environment, Sustainability and Diversity:** Develop flair by participating in various social and cultural activities voluntarily**.**	Cognitive	2,3
PO-11/ PSO1	**Critical thinking:** Working on the critical thinking and the scientific knowledge to design carryout, record and analyze the results of chemical reactions.	Cognitive	1,2,3,4,5,6
PO- 12/PSO2	**Modern Tool Usage:** Learn the laboratory skills needed to design, safely and interpret different instruments.	Psychomotor	1,2,3,4,5,6
PO-13/	**Project management:**		

PSO3	Demonstrate the knowledge of managing a project in multi-disciplinary environment.	Cognitive	1,2,3,4,5,6
PO-14/ *PSO4*	**Employability skills:** Inculcate skills to excel in the fields of science, information technology and its related fields.	Psychomotor	1,2,3,4,5,6
PO-15/ PSO5	**Computing and technology**: Create ideas and solutions to existing problems in modern day issues with latest trends in computing.	Cognitive	1,2,3,4,5,6

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR (PUNJAB)

DESCRIPTION   OF   PROGRAMME

OUTCOMES

NAME OF THE DEAPRTMENT: Physical Sciences

NAME OF THE PROGRAMME: B.Voc. (Renewable Energy Technology)

P.O. No.	Description of Programme Outcome	Domain as per Bloom's Taxonomy	Level of Bloom Taxonomy*
PO-1	**Basic Knowledge:** Acquired the knowledge, facts and figures related to various subjects in Renewable Energy and Technology	*Cognitive*	1,2,3,4,5,6
PO-2	**Communication skills:** Build the skills of speak, write, read and listen.	*Psychomotor*	1,2,3
PO-3	**Ethics:** Adapt scientific conduct and ethical responsibilities.	*Affective*	1,2,3,4

PO-4	**Life-long learning:** Engaged in Life-long learning with changing environment and positive attitude**.**	*Affective*	1,2,3,4,5
PO-5	**Social Contribution and Social Responsibility:** Apply scientific theories and their relevancies in day to day life.	*Affective*	4,5,6
PO-6	**Team Work:** Execute the knowledge in various fields of science and work as a team**.**	*Psychomotor*	1,2,3,4
PO-7	**Personality development:** Accumulate, management, principles and apply these to develop overall personality **.**	*Affective*	1,2
PO-8	**Leadership skills:** To cultivating a conductive environment, effective leadership quality and attributes to achieve the goals of organization**.**	*Psychomotor*	2,3,4
PO-9	**Problem Solving skills:** Identify, analyze, evaluate and apply information scientifically to solve problems.	*Affective*	4,5,6
PO-10	**Environment, Sustainability and Diversity:** Develop flair by participating in various social and cultural activities voluntarily**.**	*Cognitive*	2,3
PO-11/ PSO1	**Critical thinking:** Working on the critical thinking and the scientific knowledge to design carryout, record and analyze the results of chemical reactions.	*Cognitive*	1,2,3,4,5,6
PO-			

12/PSO2	**Modern Tool Usage:** Learn the laboratory skills needed to design, safely and interpret different instruments.	*Psychomotor*	1,2,3,4,5,6
PO-13/ *PSO3*	**Knowledge of Renewable Energy resources:** Know the need of Renewable Energy resources and can be used for improving the quality of life rural and urban population.	*Cognitive*	1,2,3,4
PO-14/ *PSO4*	**Employability skills:** Inculcate skills to excel in the fields of Renewable Energy Technology and energy efficiency sectors.	*Psychomotor*	1,2,3,4,5,6
PO-15/ PSO5	**Internship:** Internship time period inculcates the theoretical knowledge as well as good practical skills to any instrument.	***Cognitive***	1,2,3,4,5,6