



# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

2.6.1 Teachers and Students are aware of the stated Programs and course outcomes of the Programs offered by the institutions.

## Bachelor of Science in Microbiology, Zoology, Botany, Biotechnology, Forensic Science and Microbiology

Program name and Code	After completion of the program a student is able to
B.Sc., CBZ	<p><b>PO1. Critical Thinking:</b> Students are skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems.</p> <p><b>PO2. Communication Skills:</b> Students are able to communicate effectively their views and ideas clearly in person and through modern media in English and in their mother tongue.</p> <p><b>PO3. Modern Tool Usage:</b> Graduates will be able to use computers in data acquisition and processing and use available software as a tool in data analysis.</p> <p><b>PO6. Ethics:</b> Stay firm on the value systems of their culture, including their own for a healthy socio cultural environmen</p>





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No. :

Date : .....

Program Specific Outcomes	
	<p>PSO1: Students have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Analytical, Inorganic, Organic and Physical branches of chemistry.</p> <p>PSO2: Acquired the knowledge of terms, facts, concepts, processes techniques and principles of the subject.</p> <p>PSO3: Developed the ability to apply the principles of Chemistry.</p> <p>PSO4: Are inquisitive towards advanced chemistry and developments therein.</p> <p>PSO5: Are able to appreciate the achievements in Chemistry and to know the role of Chemistry in nature and in society.</p> <p>PSO6: Developed problem solving skills.</p>

## Chemistry

Course Title	After completion of the program a student is able to
I Semester	(OLD)





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

(OLD)

Chemistry

CO1. To understand the basic concept of kinetic theory of gases and know how to solve numerical problems related to that topic.

CO2. To learn the transport processes of liquids and gases.

CO3. To understand rate laws, rate equations of different types of reactions, determine rate constant values, order of reactions, effect of temperature and other factors on reaction rate, homogenous catalysis, catalytic effect on reaction rate, equations related to chemical catalysis

CO4. To learn the basic concepts of Stereochemistry

CO5. To understand about the formation and stability of reaction intermediates and their electrophilic and nucleophilic behavior.

CO6. To study the kinetics of decomposition of  $H_2O_2$ , acid-catalyzed hydrolysis of methyl acetate, viscosity measurement of unknown liquids, measurement of solubility of sparingly soluble salts.





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

<p>(NEW)</p> <p>Fundamentals Of Inorganic &amp; physical Chemistry</p>	<p>(NEW)</p> <p>CO1. See applications of periodicity in properties and of various metallurgical processes</p> <p>CO2. Explore basic chemistry of s- and p-block elements</p> <p>CO3. Explore chemistry of hydrides, oxides, oxoacids, halides and oxoacids of non-metals and to understand various aspects of liquid states</p> <p>CO4. Impart knowledge of kinetic theory of gases</p> <p>CO5. Investigate lattice structure of solids and rate of chemical reactions</p>
--	--





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Botany

Course Title	After completion of the program a student is able to
II Semester (OLD) Diversity of archegoniate and anatomy	(OLD) CO1. Describe the general characteristics of Bryophytes CO2. They gain detailed knowledge on Pteridophytes. CO3. Draw the life history of Lycopodium, Selaginella and Pteris CO4. Draw the life history of gymnosperms. CO5. Recognizes Recognizes various tissues.
(NEW) Plant Taxonomy	(NEW) CO1. Understand the terminology and history of taxonomy. CO2. Understand the principles and rules of ICN and understand the basic concept of palynology, cytology, phytochemistry in relation to taxonomy. CO3. Understand the basic principles of Classification and identification.





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

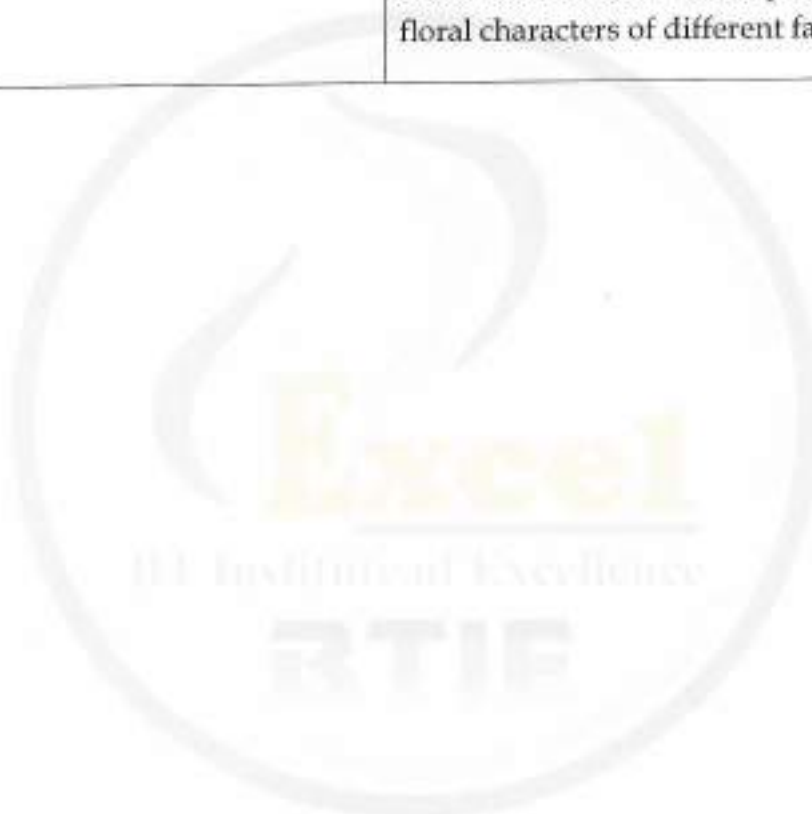
www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

	CO4. Understand the herbarium techniques.
	CO5. Understand the morphological and floral characters of different families





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Zoology

Course Title	After completion of the program a student is able to
III Semester (OLD) Cell biology & developmental biology	(OLD) CO1. To understand and recall the basic structure, origin and development of cell organelles. CO2. To analyze and differentiate organisms based on structure, composition and inter and intra cellular interactions CO3. To explain the role of cells and cell organelles in various biological processes CO4. Develop critical understanding how a single-celled fertilized egg becomes an embryo and then a fully formed adult by going through three important processes of cell division, cell differentiation and morphogenesis. (NEW) CO1. Understand the physiology a cellular and system levels.





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

(NEW) Physiology and biochemistry	CO2. Understand how mammalian body gets nutrition from different biomolecules.
--------------------------------------	--







# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Bachelor of Science in Biotech, Chemistry, Botany

Program name and Code	After completion of the program a student is able to
B.Sc.,	<p><b>PO1. Critical Thinking:</b> Students are skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems.</p> <p><b>PO2. Communication Skills:</b> Students are able to communicate effectively their views and ideas clearly in person and through modern media in English and in their mother tongue.</p> <p><b>PO3. Modern Tool Usage:</b> Graduates will be able to use computers in data acquisition and processing and use available software as a tool in data analysis.</p> <p><b>PO6. Ethics:</b> Stay firm on the value systems of their culture, including their own for a healthy socio cultural environmen</p>





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

Program Specific Outcomes	
	<p>PSO1: Students have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Analytical, Inorganic, Organic and Physical branches of chemistry.</p> <p>PSO2: Acquired the knowledge of terms, facts, concepts, processes techniques and principles of the subject.</p> <p>PSO3: Developed the ability to apply the principles of Chemistry.</p> <p>PSO4: Are inquisitive towards advanced chemistry and developments therein.</p> <p>PSO5: Are able to appreciate the achievements in Chemistry and to know the role of Chemistry in nature and in society.</p> <p>PSO6: Developed problem solving skills.</p>





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Biotech

Course Title	After completion of the program a student is able to
IV Semester (OLD) Immunology	(OLD) CO 1. Understand the immune system and its components. CO2. Learn key immunological techniques like ELISA and flow cytometry. CO3. Know the immune system's role in health and disease.
(NEW) Molecular biology s Genetic Engineering	(NEW) CO1. Understand DNA, RNA, and proteins. CO2. Learn techniques like PCR, cloning, and gel electrophoresis. CO3. Analyze and interpret genetic data





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Bachelor of Science in Computer Application, Chemistry, Botany

Program name and Code	After completion of the program a student is able to
B.Sc.,	<p>PO1. Critical Thinking: Students are skilled in problem solving, critical thinking and analytical reasoning as applied to scientific problems.</p> <p>PO2. Communication Skills: Students are able to communicate effectively their views and ideas clearly in person and through modern media in English and in their mother tongue.</p> <p>PO3. Modern Tool Usage: Graduates will be able to use computers in data acquisition and processing and use available software as a tool in data analysis.</p> <p>PO6. Ethics: Stay firm on the value systems of their culture, including their own for a healthy socio cultural environmen</p>





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No. \_\_\_\_\_

Date : \_\_\_\_\_

Program Specific Outcomes	
	<p>PSO1: Students have a firm foundation in the fundamentals and application of current chemical and scientific theories including those in Analytical, Inorganic, Organic and Physical branches of chemistry.</p> <p>PSO2: Acquired the knowledge of terms, facts, concepts, processes techniques and principles of the subject.</p> <p>PSO3: Developed the ability to apply the principles of Chemistry.</p> <p>PSO4: Are inquisitive towards advanced chemistry and developments therein.</p> <p>PSO5: Are able to appreciate the achievements in Chemistry and to know the role of Chemistry in nature and in society.</p> <p>PSO6: Developed problem solving skills.</p>





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Computer Application

Course Title	After completion of the program a student is able to
V Semester (OLD +NEW) Computer networks & E- Commerce	(OLD +NEW)  CO1. The characteristics of E-Commerce and advantages and limitations  CO 2. Difference between Traditional and E-Commerce  CO 3. Anatomy of E-Commerce applications  CO 4. Framework of E-Commerce  CO 5. Different applications of E-Commerce.  CO6. Different types of E-Commerce.  CO7. The way internet works as network infrastructure.  CO8. Network security by using different firewalls and different encrypted methods  CO9. Different types of payment methods  CO10. Electronic data interchange  CO11. Different types of document management methods like E- Catalogs,





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

	Digital Libraries & Supply chain management CO12.. Understanding the basic concept of web
--	--



Excel  
B.T. Institute of Excellence  
BTIE



# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

**Bachelor of Arts in History, Economics, Sociology, Political Science, Hindi,  
Psychology, Criminology, Geography**

Program name and Code	After completion of the program a student is able to
<b>B.A</b> <b>(History, Political, Sociology)</b>	<b>PO1. Stakeholders learn to apply ethical principles and become committed to professional ethics and responsibilities.</b>
	<b>PO 2.Socio scientific approach through literature enables to move forward from local to Global</b>
	<b>PO 3.Acquiring enhanced vocabulary makes them good communicator, civilians and patriotic</b>
	<b>PO 4.Developing Knowledge, analytical skills and reasoning for problem solving and decision making.</b>
	<b>PO 5.Excellent academic performance</b>
	<b>BA Programme Specific Outcomes</b>







# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

Program Specific Outcomes	PSO1.Historic Knowledge will helps to understand the present scenario, makes them visionaries.
	PSO 2. Gains respect and identity in the society.
	PSO 3. Understands the significance of critical thinking, social interactions, economic development and sustainability.
	PSO 4.Decision making in social and economic aspects of life leads to become successful entrepreneur.
	PSO 5. Capable of progressing to post graduation or making career in various sectors like Banking, Industry etc.





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## History

Course Title	After completion of the program a student is able to
I Semester (NEW) Idea of Bharat	(NEW) CO1. After studying the unit students would be able to understand Indian Literature and the concept of eternity. CO2. After studying the unit students would be able to understand Indian Knowledge system and arts CO3. After studying the unit students would be able to understand the Indian concept of Vasudhaiva Kutumbakam and its importance for humanity CO4. After studying the unit students would be able to understand Science and Mathematics in Ancient India CO5. After studying the unit students would be able to understand Indian Economic thoughts and practices.





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Political

Course Title	After completion of the program a student is able to
II Semester (OLD) Indian Government & Politics	<p>CO1. Student could compare the nation and nationality and nationalism.</p> <p>CO2. The student can identify how the Rights brought drastic changes in lifestyle of the human being, without which the development is not taken place as it is today.</p> <p>CO3. The student can distinguish the Freedom, Equality and Justice, identifies freedom and equality are both important and they are two sides of the same coin.</p> <p>CO4. Justice different based on needs and deserts Student could differentiate the differences between the two.</p> <p>CO5. Students identify the features of democracy and appreciate the greatness of democracy amongall forms of governments.</p> <p>(NEW)</p>





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

<p>(NEW) Indian Constitution and Institution</p>	<p>CO1. Student will get an overview of background and sources of Indian Constitution.</p> <p>CO2. Student will get an overview of the Preamble, Rights, Duties and DPSP.</p> <p>CO3. Student will get an overview of Central Institutional Structure.</p> <p>CO4 . Student will get an overview of State Institutional Structure.</p> <p>CO5. Student will get an overview of Centre-State Relations and major Commissions</p>
--	---





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Sociology

Course Title	After completion of the program a student is able to
III Semester (OLD) Rural and Urban Sociology	<p>(OLD)</p> <p>CO1. To make conscious efforts to drive home the relevance and significance of sociology for understanding society.</p> <p>CO2. To serve as preparation for careers in various fields as teaching, administration, journalism and other various applied arts and sciences.</p> <p>CO3. The ability to demonstrate sociological understandings of phenomena, for example Cooperatives, Rural Women, Panchayati Raj, Housing, Slums, Juvenile Delinquency, Alcoholism, Drugs, Addiction, Pollution, Crime, Poverty, Unemployment, etc..</p> <p>CO4. Analyse how numerous sociological concepts impact their own lives, their families, and communities, and how it impacts the larger society.</p> <p>(NEW)</p> <p>This course is intended to familiarize the students with the social, political,</p>





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No. \_\_\_\_\_

Date : \_\_\_\_\_

<p>(NEW) Classical Sociological Thinkers</p>	<p>economic and intellectual contexts in which sociology emerged as distinctive discipline. Its objective is to help students gain an understanding of the classical contributions in sociology and their contemporary relevance</p>
--	--





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Bachelor of Arts in History, Economics, Sociology

Program name and Code	After completion of the program a student is able to
B.A	PO1. Stakeholders learn to apply ethical principles and become committed to professional ethics and responsibilities.
	PO 2.Socio scientific approach through literature enables to move forward from local to Global.
	PO 3.Acquiring enhanced vocabulary makes them good communicator, civilians and patriotic.
	PO 4.Developing Knowledge, analytical skills and reasoning for problem solving and decision making.
	PO 5.Excellent academic performance
Program Specific Outcomes	PSO1. To provide students a well-founded education in Economics;





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

	PSO2. To provide and adapt curricula that prepare our graduates for employment and further study as economists
	PSO3. To provide structured curricula which support the academic development of students;
	PSO4. To provide the students with the opportunity to pursue courses that emphasizes quantitative and theoretical aspects of Economics.
	PSO5. the feeling of patriotism remains in the hearts of the people. History provors people about going independence whenever they are ruled by.







# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Economics

Course Title	After completion of the program a student is able to
IV Semester (OLD) Public Finance and International Economics	(OLD) CO 1. Learn the nature, scope and importance of public finance CO 2. Know the various theories of public finance. CO3. Understand theories of international trade CO4. Know the foreign exchange control, BOP and BOT CO5. Learn the working of international organization





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Bachelor of Arts in History, Geography, Economics

Program name and Code	After completion of the program a student is able to
B.A	PO1. The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough....
	PO 2. The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking
	PO 3. The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
	PO 4. The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.
	PO 5. The students will be ignited enough to think and act over for the solution of





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

	various issues prevailed in the human life to make this world better than ever
	PO 6. Programme provides the base to be the responsible citizen
<b>Program Specific Outcomes</b>	PSO1. are narrow statements that describe what the students are expected to know and would be able to do upon the graduation. Program outcomes represent broad statements that incorporate many areas of inter-related knowledge and skills developed over the duration of the program through a wide range of courses and experiences. They represent the big picture, describe broad aspects of behaviour, and encompass multiple learning experiences.
	PSO2. Understanding how different degrees of competition in a market affect pricing and output..
	PSO3. Understanding the efficiency and equity implications of market interference, including government policy
	PSO 4. Serving as a Geographer and Work as a teacher in colleges, schools and high schools.





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

	PSO 5 Serving as conserver in forest, Soil, Agricultural Departments and Work in disaster and water resources management.
--	---





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Geography

Course Title	After completion of the program a student is able to
V Semester (OLD) Environment Geography	(OLD) CO1. Comprehend the dynamic interactive relationship between Man and Environment. CO2. Get in depth understanding about the various disasters in the country. CO3. Develop thorough understanding about the Human responses to the disasters





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.:

Date : .....

## Bachelor of Arts in History, Political, Psychology

Program name and Code	After completion of the program a student is able to
B.A	PO1. PO 1. Stakeholders learn to apply ethical principles and become committed to professional ethics and responsibilities.
	PO 2 Socio scientific approach through literature enables to move forward from local to Global.
	PO 3.Acquiring enhanced vocabulary makes them good communicator, civilians and patriotic
	PO 4. Developing Knowledge, analytical skills and reasoning for problem solving and decision making.
	PO 5. Excellent academic performance
Program Specific Outcomes	PSO1..Historic Knowledge will helps to understand the present scenario, makes them Visionarica
	PSO 2. Gains respect and identity in the society.
	PSO3. Students can understand the concepts and methods of research.





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

	PSO4. Students are able to develop research proposal and can work with problems.
	PSO5. Students aware about the computer application in research.



**Excel**  
BT Institute of Excellence  
**BTIE**



# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Psychology

Course Title	After completion of the program a student is able to
VI Semester <u>(OLD)</u> COUNSELING PSYCHOLOGY	CO1. Understanding nature and process of counseling along with the difference between guidance and counseling.  CO2. Develop skills of counseling for solving the problems of people in different areas.  Develop the abilities to become an effective counselor.







# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Bachelor of commerce in Management, Economics, Accounting, computer application

Program name and Code	After completion of the program a student is able to
B.COM	PO1. Learn knowledge of problem solving and decision making
	PO2: Learn how to start new business
	PO3: Become responsible and rational behavior
	PO 4: Learners will be responsible citizens as various academic and co-curricular courses imbibe sensitivity, moral and ethical values among them
	PO5. Learners will be equipped to join the industry or setup own entities, peruse further professional and other courses.
Program Specific Outcomes	PSO1. Take independent decisions in economic and social aspects of life





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.:

Date : .....

	<p><b>PSO2: Acquire jobs in different sectors such as banking, industry, insurance companies, defence, CSO, NSSO, planning department etc</b></p>
	<p><b>PSO3: Start own entrepreneurship.</b></p>
	<p><b>PSO4: To enrich the learners with good communication, numerical ability, team work, leadership skills and ethical values.</b></p>
	<p><b>PSO5: to enable students with ICT skills through MS Excel and enrich their knowledge for career enhancement.</b></p>





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No. \_\_\_\_\_

Date : .....

## Management

Course Title	After completion of the program a student is able to
I Semester (OLD) Business Law	CO1. To familiarize learners with various laws essential for business.  CO2: To impart knowledge regarding legality of object and discharge of contract.  CO3: To introduce Sale of Goods Act, 1930 to learners.  CO4: To make learners aware about the various Insolvency and Bankruptcy Code.  CO5: To introduce the Information Technology Act, 2000 and the concept of Intellectual Property Rights
(NEW) Business Organisation and Management	(NEW)  CO1: To provide knowledge about fundamentals of business.  CO2: To familiarize learners with various forms of Business Organization.  CO3: To facilitate learners about process of planning and organizing





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : **Little Star Education Society**

Ref. No.

Date : .....

	<p>CO4. To promote the concepts of Motivation, Leadership &amp; Direction.</p> <p>CO5: To provide knowledge of controlling process.</p>
--	---



**Excel**  
BT Institute of Excellence  
**BTIE**



# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No. \_\_\_\_\_

Date : .....

## Economics

Course Title	After completion of the program a student is able to
II Semester  (OLD) Macro Economics	(OLD)  CO1. Understand the macro approaches to the economy  CO2. learn Concepts, measurement and difficulties in calculation of National Income  CO3. Understand the theory of employment, multiplier and acceleration  CO4. know the theory of trade cycle in the economy.
(NEW) Business Law	(NEW)  CO1. To familiarize learners with various laws essential for business.  CO2. To impart knowledge regarding legality of object and discharge of contract.  CO3. To introduce Sale of Goods Act, 1930 to learners.  CO4. To make learners aware about the various Insolvency and Bankruptcy Code.





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.:

Date : .....

	CO5. To introduce the Information Technology Act, 2000 and the concept of Intellectual Property Rights.
--	---





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Accounting

Course Title	After completion of the program a student is able to
III Semester (OLD) Corporate Accounting	<p>O1. To familiarize learners with the basic concepts of accounting for share capital and debentures.</p> <p>CO2: To impart knowledge about final accounts of companies through practical problems and absorption.</p> <p>CO3: To supplement knowledge about treatment of profit prior to incorporation.</p> <p>CO4: To make learners aware with the concepts of external reconstruction, amalgamation</p> <p>CO5: To introduce the concept of accounting of holding companies.</p>
(NEW) Bussiness Statistics	<p>(NEW)</p> <p>CO1: To introduce various statistical data analysis tools to learners.</p> <p>CO2: To inculcate understanding about various statistical measures.</p>





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

	<p>CO3: To make learners aware with various data types and their analysis techniques. time-series analysis.</p> <p>CO4: To develop necessary skill set required for</p> <p>CO5: To introduce the concept of probability to students.</p>
--	--



Excel  
BT Institute of Excellence  
BTIE





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## Bachelor of Computer Application (BCA)

Program name and Code	After completion of the program a student is able to
BCA	PO1. Understand, analyze and develop computer programs in the areas related to algorithm, web design and networking for efficient design of computer based system.
	PO2. Work in the IT sector as system engineer, software tester, junior programmer, web developer, system administrator, software developer etc.
	PO3. Apply standard software engineering practices and strategies in software project development using open source programming environment to deliver a quality of product for business success.
	PO4 Environment and Sustainability: Ability to understand the issues of environmental contexts and sustainable development





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

	PO5. Social Interaction: Ability to elicit views of others, mediate disagreements and help reach conclusions in group settings
Program Specific Outcomes	.PSO1. Equip themselves to potentially rich & employable field of computer applications.
	PSO2. Pursue higher studies in the area of Computer Science/Applications.
	PSO3. Take up self-employment in Indian & global software market.
	PSO4. Meet the requirements of the Industrial standards
	PSO5: Bachelor in computer applications (BCA) gives a number of opportunities to individuals to go ahead and shine in their lives.
	PSO6. A few of them being like software programmer, system and network administrator, web designer faculty for computer science and computer applications.





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## I SEMESTER

Course Title	After completion of the program a student is able to
PAPER 1 (OLD) Computer Fundamentals	(OLD) CO1. Understand basic concepts of computer.  CO2: Describe peripheral devices and number systems.  CO3: Understand operating environment  CO4: Demonstrate the use of Linux Operating system commands.
(NEW) Programming Using 'C'	(NEW) CO1. Illustrate the flowchart and designing an algorithm for a given problem to develop c programs using operators.  CO2. Develop conditional and iterative statements to write c programs.  CO3. Exercise user defined functions to solve real time problems. -  CO5. C programs that use pointers to access arrays ,strings and functions.





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

	<p>CO6. Exercise user defined data types including structures and unions to solve problems.</p> <p>CO7. Exercise files concept to show input and output of files in c.</p> <p>CO8. Design, develop and test programs written in 'C'.</p> <p>CO9. Design programs involving decision structures, loops and functions.</p>
--	--





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## II SEMESTER

Course Title	After completion of the program a student is able to
II PAPER  (OLD) Microprocessor and Assembly language Programming	(OLD)  CO1. The student will be able to select an appropriate 'architecture' or program design to apply to a particular situation; e.g. an interrupt-driven I/O handler for a responsive real-time machine. ·  CO2. the student will be able to design and build the necessary assembly language programs using various 8085 instructions. ·  CO3. The student will be able to characterise and predict the effects of the properties of the bus on the overall performance of a system. ·  CO4. Understand the taxonomy of microprocessors and knowledge of contemporary microprocessors. ·  CO5. Demonstrate programming using the various addressing modes and instruction set of 8085 microprocessor · Understand the concept & types of interrupts ,counters, timing delays ·





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar  
 Mob. No.: 9926459169, 8435208060, 9179071001  
 www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

<p>(NEW) OOPS using C++</p>	<p>CO6. Learn BCD and its operations          Demonstrate interfacing of special purpose programmable peripheral devices with microprocessor</p> <p>(NEW)</p> <p>CO1: Understand object-oriented programming and advanced C++ concept.</p> <p>CO2: Apply the concepts of object, classes and constructor.</p> <p>CO3: Design C++ Programs based on object, class, inheritance, abstraction, encapsulation, dynamic binding and polymorphism.</p> <p>CO4: Implement concept of polymorphism in program.</p>
---------------------------------	--





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

## III SEMESTER

Course Title	After completion of the program a student is able to
III PAPER (OLD) Business Data Processing Using COBOL	(OLD) CO1. Understand basic concepts of Accounting CO2. Knowledge regarding how to create ledgers, journals and balance sheet. CO3. To create programs in COBOL. CO4. Knowledge about different type of files and file programs
(NEW) Fundamentals Of Computer Algorithm	(NEW) CO1. Understand the basic notation for analyzing the performance of the algorithms. CO2. Use divide-and-conquer techniques for solving suitable problems CO3. Use greedy approach to solve an appropriate problem for optimal solution. CO4. Apply dynamic programming approach to solve suitable problems





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar  
Mob. No.: 9926459169, 8435208060, 9179071001  
www.btie.in / e-mail : btiesagar@rediffmail.com  
Run by : Little Star Education Society

Ref. No.

Date : .....

	CO5. Understand the limitations of algorithm power and study how to cope with the limitations of algorithm power for various problems
--	---







# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No. \_\_\_\_\_

Date : \_\_\_\_\_

## IV SEMESTER

Course Title	After completion of the program a student is able to
IV PAPER  (OLD)  Visual Programming	(OLD)  CO1. Design, create, build, and debug Visual Basic applications.  CO2. Explore Visual Basic's Integrated Development Environment(IDE).  CO3. Implement syntax rules in Visual Basic programs.  CO4. Explain variables and data types used in program development.  CO5. Apply arithmetic operations for displaying numeric output.  CO6. Write and apply decision structures for determining different operations.  CO7. Write and apply loop structures to perform repetitive tasks  CO8. Write and apply procedures, sub-procedures, and functions to create manageable code.





# B.T. Institute of Excellence

(Approved by Higher Education, Govt. of M.P. and NCTE, New Delhi)

Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar

Mob. No.: 9926459169, 8435208060, 9179071001

www.btie.in / e-mail : btiesagar@rediffmail.com

Run by : Little Star Education Society

Ref. No.

Date : .....

<p>(NEW) Database Management Systems</p>	<p>(NEW)</p> <p>CO1: Describe the basic concepts of DBMS and various databases used in real applications</p> <p>CO2: Demonstrate the principles behind systematic database design approaches.</p> <p>CO3: Design the database structure by applying the concepts of Entity relational model and Normalization.</p> <p>CO4: Learn MS-Access for database creation and handling transactions.</p>
--	---

