Government College for Men (A), Kadapa
NAAC accredited at "B" grade
ISO 9001-2015 Certified

Abstract of the Bridge Course

ZOOLOGY

S. No	Academic Year	Date	Title of the Activity	No. of Beneficiaries
1	2018-19	20-08-2018	Introduction to Zoology, Biology of Invertebrates	70
2	2019-20	19-02-2020	Introduction to Zoology, Biology of Invertebrates	65
3	2021-22	03-12-2021	Introduction to Zoology, Biology of Invertebrates	70
4	2022-23	22-11-2023	Introduction to Zoology, Biology of Invertebrates	25

Lecturer in-Charge
Department of Zoology
Govt. College for Men
KADAPA

Signature of the Dept. In-Charge

PRINCIPAL
GOVT. COLLEGE FOR MEN (A)
KADAPA.

Signature of the Principal

Government College for Men ★ Autonomous ★ KADAPA

Department of Zoology

BRIDGE COURSE

Academic Year - 2018-19

Department of Zoology has designed and conducted a short intensive Bridge course from 8-8-2018 to20-08-2018, for B. Sc (BZC), I year I semester Zoology back ground students in the subject Zoology organized by **Dr. P. Ravi Sekhar and Dr. Y. Savithri,** the objectives of the course was to analyze their level of understanding of the subject before the start of curriculum and bridge the gap by enhancing their knowledge and bring them on par with students from Aquaculture background. The course covered topics such as "**History & Scope of Zoology, Classification & General characteristics of Invertebrate and Vertebrate Phylum and Classifications.**".

Lecturer in Zoology
Govt. College for Men
KADAPA

Signature of Lecturer

Lecturer in-Charge
Department of Zoology
Govt. College for Men
KADAPA

Signature of the H.O.D

OBJECTIVE OF BRIDGE COURSE

A Bridge course for newly admitted students is conducted every year before the commencement of the first semester classes. The main objective of course is to bridge the gap between subjects studied at pre - university level and subjects they would be studying in Graduation. Give students the confidence and skills to successfully transition to college and new curriculum. This Twelve days student enhancement and development programmed is device for overall grooming and enhancement of the student's fraternity with a special punctuation for students from rural and semi- rural community.

DESIGN

The course consists of twelve hrs of interactive sessions and an internal examination designed by the Zoology department which is compulsory for all students.

Bridge course topics

S.no	NAME OF THE LECTURER	TOPIC TO BE COVERED
1.	Dr. P. Ravi Sekhar	Introduction about the Bridge Course
2.	Dr. P. Ravi Sekhar	Importance of zoology
3.	Dr.Y.Savithri	Animal Kingdom
4.	Dr.Y.Savithri	Classification of animal Kingdom
5.	Dr. P. Ravi Sekhar	General information on Invertebrates
6.	Dr. P. Ravi Sekhar	Protozoa to Porifera
7.	Dr. C. Narasimha Rao	Coelenterata to Annelida
8.	Dr. P. Ravi Sekhar	Arthropoda to Echinodermata
9.	Dr.Y.Savithri	General information on Chordata
10.	Dr.Y.Savithri	Fishes to Reptiles
11.	Dr. P. Ravi Sekhar	Birds and Mammals
12.	Dr. C. Narasimha rao	Summarization of Entire Syllabus

CIRCULAR

DATE: 6-8-2018

The I B.sc students are informed that the department of zoology is going to be conduct bridge course to the Zoology students from 8-8-2018 To 20-08-2018. So the students utilize the opportunity.

Bridge Course Material

Bridge course has been conducted for second year B.Sc (BZC & Biotechnology) students to create awareness and to build a knowledge between the students . In First year syllabus we have Biology of Invertebrates. In this year all Invertebrates including Protozoa to Echinodermata

are going to be in discussion. In first year Biology of Invertebrates and Cell Biology which is first evolved in the origin of evolution was discussed.

Invertebrates comprise the overwhelming majority of animal species on Earth, representing approximately 97% of all known animal species. This diverse group includes a wide array of organisms ranging from simple, single-celled creatures like amoebas to complex, multicellular organisms like insects, mollusks, and jellyfish. Despite their incredible diversity, all invertebrates share the common trait of lacking a vertebral column.

One of the most prominent subgroups within the invertebrates is the phylum Arthropoda, which includes insects, arachnids, crustaceans, and myriapods. Arthropods are characterized by their segmented bodies, jointed appendages, and exoskeletons made of chitin. They are incredibly diverse, with over a million described species, making them the largest phylum in the animal kingdom.

Another significant subgroup of invertebrates is the phylum Mollusca, which includes creatures such as snails, clams, octopuses, and squids. Mollusks typically possess soft bodies covered by a protective shell, though some, like octopuses, have lost their shells through evolution. Mollusks exhibit a wide range of ecological adaptations and inhabit diverse environments, from freshwater lakes to deep-sea trenches.

Other notable groups of invertebrates include the phylum Porifera (sponges), Cnidaria (jellyfish, corals, sea anemones), Echinodermata (starfish, sea urchins, sea cucumbers), and Annelida (segmented worms).

In contrast, vertebrates are characterized by the presence of a backbone or spinal column, which provides structural support and protects the spinal cord. This group includes familiar animals such as fish, amphibians, reptiles, birds, and mammals. Vertebrates are known for their advanced nervous systems, which often include complex brains capable of sophisticated behaviors.

Fish represent the earliest and most diverse group of vertebrates, with over 30,000 species inhabiting freshwater and marine environments worldwide. They exhibit a wide range of adaptations for swimming, feeding, and reproduction, including various body shapes, fin types, and reproductive strategies.

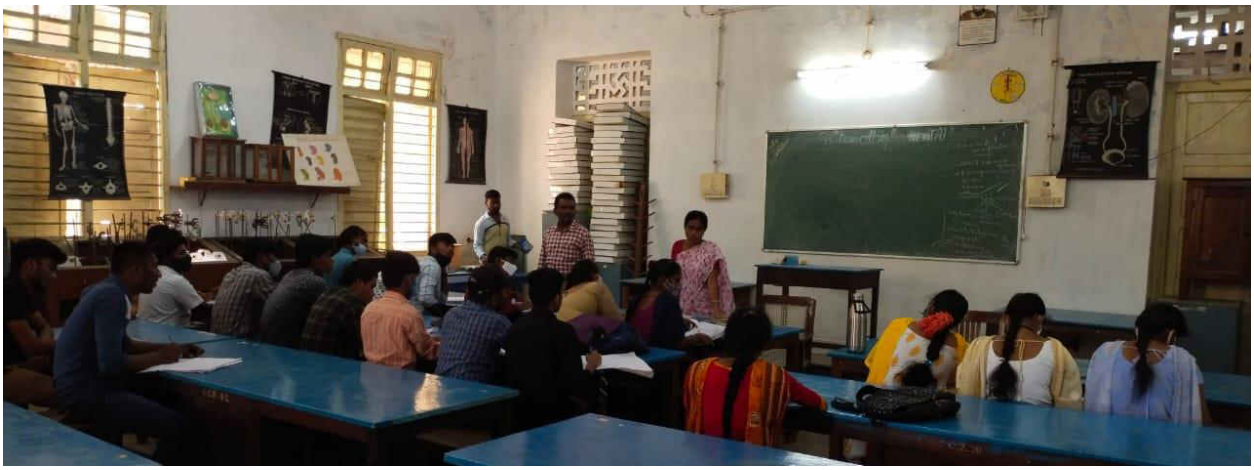
Amphibians, which include frogs, toads, salamanders, and newts, are vertebrates that typically undergo metamorphosis from aquatic larvae to terrestrial adults. They are known for their permeable skin, which allows for gas exchange, but also makes them sensitive to environmental changes, making them important indicators of ecosystem health.

Reptiles, including turtles, snakes, lizards, and crocodilians, are vertebrates characterized by their scaly skin and ectothermic metabolism. They have adapted to a diverse range of habitats, from deserts to rainforests, and play crucial roles in ecosystems as both predators and prey.

Birds are vertebrates with feathers, hollow bones, and efficient respiratory systems adapted for flight. They exhibit remarkable diversity in size, shape, and behavior, from tiny hummingbirds to large birds of prey like eagles and vultures.

Mammals, including humans, are characterized by several key features, including mammary glands that produce milk, hair or fur covering the body, and a neocortex region in the brain associated with higher cognitive functions. Mammals exhibit diverse reproductive strategies and occupy a wide range of ecological niches, from polar regions to tropical rainforests.

Animal kingdom is incredibly diverse, with invertebrates and vertebrates representing two major branches of this diversity. While invertebrates dominate in terms of sheer numbers and ecological roles, vertebrates have evolved a wide range of specialized adaptations that have enabled them to thrive in diverse environments around the world. Both groups play vital roles in ecosystems and contribute to the rich tapestry of life on Earth.



Government College for Men (Autonomous) Kadapa-516004, Andhra Pradesh
NAAC Accredited at "B" Grade
ISO 9001-2015 Certified Institution

BRIDGE COURSE

Bridge Course Organized by Zoology Department

Report - 2018-19

Department of Zoology has designed and conducted a short intensive Bridge course from 24th to 6st July 2019, for B. Sc (BZC), I year I semester Zoology back ground students in the subject Zoology organized by **Dr. P. Ravi Sekhar and Dr. Y. Savithri,** the objectives of the course was to analyze their level of understanding of the subject before the start of curriculum and bridge the gap by enhancing their knowledge and bring them on par with students from Aquaculture background. The course covered topics such as "**History & Scope of Zoology, Classification & General characteristics of Invertebrate and Vertebrate Phylum and Classifications."**.

Signature of Lecturer **Signature of the H.O.D**

OBJECTIVE OF BRIDGE COURSE

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DESIGN

The course consists of twelve hrs of interactive sessions and an internal examination designed by the Zoology department which is compulsory for all students.

Bridge course topics

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11.	Dr. P. Ravi Sekhar	Birds and Mammals
12.	Dr.Y.Savithri	Summarization of Entire Syllabus

CIRCULAR

DATE: 22-6-2019

The I B.sc students are informed that the department of zoology is going to be conduct bridge course to the Zoology students from 24th to 6$^{th\ July}$. So the students utilize the opportunity.

Bridge Course Material

Bridge course has been conducted for second year B.Sc (BZC & Biotechnology) students to create awareness and to build a knowledge between the students . In First year syllabus we have Biology of Invertebrates. In this year all Invertebrates including Protozoa to Echinodermata are going to be in discussion. In first year Biology of Invertebrates and Cell Biology which is first evolved in the origin of evolution was discussed.

In evolutionary aspects Invertebrates originate prior to the vertebrates with more significance evolutionary characters. Invertebrates originate in Archizoic era and well

established in Proterozoic era. In invertebrate phyla Protozoa is the first phylum which consists of Unicellular organisms like Amoeba, Eugleena, Paramecium and Vorticella etc., All these organisms does not have any specific organs to perform daily activities. All activities are performed by plasma membrane by the process of diffusion. Porifera is the second phylum with multicellular grade of organization. These organisms processes various types of cells for metabolic activities they are Choanocytes, archeocytes amoebocytes etc., A spacious cavity is present in the animals called as spongocoel or gastrovascular cavity. Sponjilla , Corallum, Pennatula, Gargonia etc., are included in this phylum.

Cnidaria or Coelentarata is the third phylum with free floating organisms like Aurelia (jelly fish), Velella, Hydra etc., These organisms exhibit diploblastic nature with tissue grade of organization. Sexual dimorphism is present with sexual and asexual reproductive systems. Alternations of generations are observed in this phylum. Platyhelmenthis and Nemati helmenthis are the next respective invertebrate phyla. These are commonly known as plat worms and round worms respectively. These are triploblastic, acoelomate and organ grade animals. Specific functions.

Platyhelmenthes and Nematihelmenthes are the next respective Invertebrate phyla commonly known as flat worms and round worms. These are acoelomate, triploblastic and bilateral symmetrical animals with organ grade of organization. These organisms are generally adopted to live inside of the animals as parasites and cause various types of diseases like taeniasis, ascariasis, wuchariariasis and encylostomiasis etc., among all invertebrates major diseases are caused by these helmenthic parasites only.

The annelids (also called "ringed worms"), formally called Annelida , are a large phylum of segmented worms, with over 22,000 modern species including gragworms, earthworms and leeches. They are found in marine environments from tidal zones to hydrothermal vents, in freshwater, and in moist terrestrial environments.They are bilaterally symmetrical, triploblastic, coelomate organisms. They have parapodia for locomotion. Although most textbooks still use the traditional division into polychaetes , oligochaetes and leech-like species, research since 1997 has radically changed this scheme, viewing leeches as a sub-group of oligochaetes and oligochaetes as a sub-group of polychaetes. In species with well-developed septa, the blood circulates entirely within blood vessels, and the vessels in segments near the front ends of these species are often built up with muscles to act as hearts. The septa of these species also enable them to change the shapes of individual segments, which facilitates movement by peristalsis or by undulations that improve the effectiveness of the parapodia. In species with incomplete septa or none, the blood circulates through the main body cavity without any kind of pump, and there is a wide range of locomotory techniques – some burrowing species turn their pharynges inside out to drag themselves through the sediment.

An arthropod is an invertebrate animal having an exoskeleton , a segmented body, and jointed appendages. Arthropods are members of the phylum Arthropoda ,and include the insects,

arachnids, andcrustaceans. Arthropods are characterized by their jointed limbs and cuticles, which are mainly made of α-chitin; the cuticles of crustaceans are also biomineralized with calcium carbonate. The rigid cuticle inhibits growth, so arthropods replace it periodically by moulting. The arthropod body plan consists of repeated segments, each with a pair ofappendages. Their versatility has enabled them to become the most species-rich members of all ecological guilds in most environments. They have over a million described species, making up more than 80% of all described living animal species, some of which, unlike most animals, are very successful in dry environments. They range in size from microscopic plankton up to forms a few meters long.

The molluscs compose the large phylum of invertebrate animals known as the phylum Mollusca. Around 85,000 extant species of molluscs are recognized. Molluscs are the largest marine phylum, comprising about 23% of all the named marine organisms. Numerous molluscs also live in freshwater and terrestrial habitats. They are highly diverse, not only in size and in anatomical structure, but also in behaviour and in habitat. The phylum is typically divided into 9 or 10 taxonomic classes, of which two are entirely extinct. Cephalopodmolluscs, such as squid, cuttlefish and octopus, are among the most neurologically advanced of all invertebrate and either the giant squid or the colossal squid is the largest known invertebrate species. The gastropods (snails and slugs) are by far the most numerous molluscs in terms of classified species, and account for 80% of the total. The scientific study of molluscs is called malacology.

Echinodermata is a phylum of marine animals. The adults are recognizable by their (usually five-point) radial symmetry, and include such well-known animals asstarfish, sea urchins, sand dollars, and sea cucumbers. Echinoderms are found at every ocean depth, from the intertidal zone to the abyssal zone. The phylum contains about 7000 livingspecies, making it the second-largest grouping of deuterostomes (a superphylum), after the chordates (which include the vertebrates, such as birds, fish, mammals, and reptiles). Echinoderms are also the largest phylum that has no freshwater or terrestrial (land-based) representatives.

Hemichordata is a phylum of marine deuterostome animals, generally considered the sister group of the echinoderms. They appear in the Lower or Middle Cambrian and include two main classes: Enteropneusta (acorn worms), and Pterobranchia. A third class, Planctosphaeroidea, is known only from the larva of a single species, Planctosphaera pelagica. The extinct classGraptolithina is closely related to the pterobranchs. Acorn worms are solitary worm-shaped organisms. They generally live in burrows (the earliest secreted tubes)[2] and are deposit feeders, but some species are pharyngeal filter feeders. Pterobranchs are filter-feeders, mostly colonial, living in a collagenous tubular structure called a coenecium.

Introduction to Cell Biology

Cell biology, also known as cytology, is the study of cells – the fundamental units of life. This bridge course provides a foundational understanding of cell structure, function, and the

dynamic processes that govern cellular life. Cells come in various shapes and sizes, but they share common features such as the plasma membrane, cytoplasm, and genetic material. The plasma membrane regulates the passage of molecules into and out of the cell, while the cytoplasm houses organelles where cellular processes occur. The nucleus, often referred to as the control center of the cell, contains the genetic material in the form of DNA.Cells perform a multitude of functions essential for life, including metabolism, growth, and reproduction. Metabolism involves the biochemical processes that generate energy and synthesize molecules necessary for cellular activities. Cells also undergo growth by increasing in size or dividing to produce new cells. Reproduction ensures the continuity of life through the generation of offspring cells.Cell biology explores dynamic processes such as cell signaling, cell cycle regulation, and cellular transport mechanisms. Cell signaling allows cells to communicate with each other, coordinating their activities and responding to external stimuli. The cell cycle regulates the orderly progression of cell growth and division. Cellular transport mechanisms ensure the movement of molecules within and between cells, facilitating essential processes like nutrient uptake and waste removal.

Chordates, members of the phylum Chordata, are deuterostome animals possessing a notochord, a hollow dorsal nerve cord, pharyngeal slits, an endostyle, and a post-anal tail for at least some period of their life cycles. Taxonomically, the phylum includes the subphyla Vertebrata, include mammals, fish, amphibians, reptiles, birds Tunicata, include salps and sea squirts; and Cephalochordata, comprising the lancelets. The phylum Hemichordata including the acorn worms has been presented as a fourth chordate subphylum, but it now is usually treated as a separate phylum. It, along with the echinodermphylum, including starfish, sea urchins, and sea cucumbers and their kin, are the chordates' closest relatives. Primitive chordates are known from at least as early as the Cambrian explosion.

Embryology is the science of the development of an embryo from the fertilization of the ovum to the fetus stage.

Ecology is the scientific study of interactions among organisms and their environment, such as the interactions organisms have with each other and with their abiotic environment. Topics of interest to ecologists include the diversity, distribution, amount (biomass), number (population) of organisms, as well as competition between them within and among ecosystems. Ecosystems are composed of dynamically interacting parts including organisms, the communities they make up, and the non-living components of their environment. Ecosystem processes, such as primary production, pedogenesis, nutrient cycling, and various niche construction activities, regulate the flux of energy and matter through an environment. These processes are sustained by organisms with specific life history traits, and the variety of organisms is called biodiversity. Biodiversity, which refers to the varieties of species, genes, and ecosystems, enhances certain ecosystem services.

Photo Gallery


GOVT. COLLEGE FOR MEN KADAPA

GOVERNMENT COLLEGE FOR MEN (AUTONOMOUS)
KADAPA-516004, ANDHRA PRADESH, INDIA
(Accredited by NAAC at "B" Level)

Department of Zoology

BRIDGE COURSE

Academic Year - 2020-2021

Bridge Course Report

Department of Zoology has designed and conducted a short intensive Bridge course from 02-02-2020 To 14-02-2020, for B. Sc (BZC), I year I semester Zoology back ground students in the subject Zoology organized by **Dr. P. Ravi Sekhar and Dr. Y. Savithri,** the objectives of the course was to analyze their level of understanding of the subject before the start of curriculum and bridge the gap by enhancing their knowledge and bring them on par with students from Aquaculture background. The course covered topics such as "**History & Scope of Zoology, Classification & General characteristics of Invertebrate and Vertebrate Phylum and Classifications."**.

Signature of Lecturer **Signature of the H.O.D**

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DESIGN

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12.	Dr. D. V. Nagendra Kumar	Summarization of Entire Syllabus

CIRCULAR

DATE: 01-02-2020

The I B.sc students are informed that the department of zoology is going to be conduct bridge course to the Zoology students from 02-02-2020 To 14-02-2020. So the students utilize the opportunity.

Bridge Course Material

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are going to be in discussion. In first year Biology of Invertebrates and Cell Biology which is first evolved in the origin of evolution was discussed.

Invertebrates and vertebrates represent two major branches of the animal kingdom, each with distinct characteristics in terms of cell biology, genetics, and evolution. Despite their differences, both groups share fundamental biological processes that underpin life on Earth. Invertebrates represent the vast majority of animal diversity on Earth, with millions of species occupying virtually every habitat on the planet. The evolution of invertebrates has been shaped by a myriad of ecological pressures, including predation, competition, environmental changes, and symbiotic relationships. For instance, the development of complex exoskeletons in arthropods provided protection from predators and support for terrestrial locomotion, while the evolution of segmented body plans facilitated movement and specialization of body parts for different functions. Vertebrates, although comprising a smaller proportion of animal diversity compared to invertebrates, have diversified into a wide range of ecological niches and lifestyles. The evolution of vertebrates has been marked by several key innovations, including the development of jaws and paired appendages in early fish, which facilitated feeding and locomotion in aquatic environments. Subsequent adaptations such as the evolution of limbs and the transition to terrestrial habitats in tetrapods paved the way for the colonization of land and the emergence of reptiles, birds, and mammals

Cells are the basic structural and functional units of all living organisms. In both invertebrates and vertebrates, cells exhibit similar fundamental characteristics, including a plasma membrane, cytoplasm, organelles, and a nucleus containing genetic material. Invertebrates, which lack a backbone or spinal column, encompass a diverse array of organisms with varying cell types and structures. For example, in insects like bees and ants, specialized cells called epithelial cells form the outer protective layer of the exoskeleton, while muscle cells enable movement through coordinated contraction and relaxation.

. Genetics is the branch of biology that studies genes, heredity, and genetic variation. Both invertebrates and vertebrates inherit genetic information from their parents in the form of DNA (deoxyribonucleic acid), the molecule that carries the instructions for the development, functioning, growth, and reproduction of organisms.

The field of evolutionary developmental biology, or evo-devo, explores how changes in gene regulation and expression patterns drive evolutionary innovations and morphological diversity in both invertebrates and vertebrates. For example, the evolution of vertebrate limbs from ancestral fins involved modifications in the expression of key developmental genes such as Hox genes, which regulate the formation of body structures along the anterior-posterior axis. Evolution is the process by which species change over time through genetic variation, natural selection, genetic drift, and other mechanisms. Invertebrates and vertebrates have undergone millions of years of evolutionary history, resulting in the diversification of body plans, ecological adaptations, and reproductive strategies.

The study of evolutionary relationships, or phylogenetics, allows scientists to reconstruct the evolutionary history of organisms based on shared genetic and morphological characteristics. Phylogenetic analyses have revealed the evolutionary relationships among different groups of invertebrates and vertebrates, providing insights into the patterns and processes of evolution over deep time.


Caudal fin is heterocercal
Mouth and nostrils are ventral
Four to seven pairs of gill-slits are present
lamelliform gills
Gill slits are naked, not covered by operculum
In males the pelvic fins are provide with
claspers.

Department of Zoology

BRIDGE COURSE

Academic Year - 2020-2021

Bridge Course Report

Department of Zoology has designed and conducted a short intensive Bridge course from 22-11-2021 To 03-12-2021 for B. Sc (BZC), I year I semester Zoology back ground students in the subject Zoology organized by **Dr. P. Ravi Sekhar and Dr. Y. Savithri,** the objectives of the course was to analyze their level of understanding of the subject before the start of curriculum and bridge the gap by enhancing their knowledge and bring them on par with students from Aquaculture background. The course covered topics such as "**History & Scope of Zoology, Classification & General characteristics of Invertebrate and Vertebrate Phylum and Classifications."**.

Lecturer in Zoology
Govt. College for Men
KADAPA

Signature of Lecturer

Lecturer in Charge
Department of Zoology
Govt. College for Men
KADAPA

Signature of the H.O.D

OBJECTIVE OF BRIDGE COURSE

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12.	Dr.Y.Savithri	Summarization of Entire Syllabus

CIRCULAR

DATE: 20-11-2021

The I B.sc students are informed that the department of zoology is going to be conduct bridge course to the Zoology students from 22-11-2021 To 03-12-2021. So the students utilize the opportunity.

Bridge Course Material

Invertebrates: Invertebrates constitute the majority of animal species on Earth, encompassing a vast array of organisms such as insects, mollusks, arachnids, and worms. Despite their diversity, they share common traits like the absence of a backbone. Invertebrates exhibit remarkable physiological adaptations to their environments. For instance, many insects have evolved specialized respiratory systems, such as tracheal tubes, to facilitate gas exchange. In terms of genetics, invertebrates display a wide range of genomic structures and organization,

with some species having relatively simple genomes, like fruit flies, making them ideal model organisms for genetic studies. Evolutionarily, invertebrates have diversified into numerous ecological niches, with adaptations such as exoskeletons in arthropods and cephalopods' highly developed nervous systems, reflecting their long evolutionary history and successful colonization of diverse habitats.

Vertebrates: Vertebrates are characterized by the presence of a backbone or spinal column, including fish, amphibians, reptiles, birds, and mammals. They exhibit complex physiological systems that support diverse functions, such as circulation, respiration, and nervous coordination. For example, mammals have evolved specialized structures like the placenta to support fetal development and lactation to nourish offspring. In terms of genetics, vertebrates possess more complex genomes compared to invertebrates, with larger numbers of genes and regulatory elements. Evolutionarily, vertebrates have undergone significant adaptations, including the development of endothermy in birds and mammals, which has enabled them to maintain stable body temperatures and exploit a wide range of habitats from polar regions to deserts.

Cell Biology: Both invertebrates and vertebrates consist of cells as fundamental units of life. Cells exhibit similar structures and functions across both groups, including organelles like mitochondria for energy production and the nucleus for genetic storage. Cell biology in invertebrates and vertebrates is characterized by intricate cellular interactions and signaling pathways that regulate various physiological processes such as growth, development, and homeostasis.

Physiology: Physiology refers to the study of how organisms function and adapt to their environments. In invertebrates, physiological processes are often specialized to meet the demands of specific ecological niches. For example, cephalopods like octopuses possess highly developed nervous systems and complex behaviors for hunting and camouflage. In vertebrates, physiological systems are more complex and diversified, supporting a wide range of activities such as flight in birds, thermoregulation in mammals, and osmoregulation in fish. These physiological adaptations reflect the diverse lifestyles and environmental challenges faced by both invertebrates and vertebrates.

Genetics: Genetics encompasses the study of genes, heredity, and genetic variation. Invertebrates and vertebrates inherit genetic information encoded in DNA, with variations in genome size, structure, and organization. Genetic studies have elucidated the mechanisms underlying traits and adaptations in both groups, from the development of specialized appendages in insects to the evolution of vertebrate limbs. Comparative genomics across invertebrates and vertebrates provide insights into the evolutionary relationships and shared genetic ancestry among different animal species.

Evolution: Evolutionary processes have shaped the diversity and adaptation of invertebrates and vertebrates over millions of years. Invertebrates have diversified into myriad ecological niches through evolutionary innovations such as the development of segmented body plans and specialized appendages. Vertebrates have undergone significant evolutionary transitions, including the colonization of land by tetrapods and the emergence of flight in birds. Comparative evolutionary studies across invertebrates and vertebrates reveal common patterns and mechanisms of evolution, such as natural selection, genetic drift, and gene flow, that have driven the adaptation and speciation of animal species throughout history.

GOVERNMENT COLLEGE FOR MEN (AUTONOMOUS)
KADAPA-516004, ANDHRA PRADESH, INDIA
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Department of Zoology

BRIDGE COURSE

Academic Year - 2022-2023

Bridge Course Report

Department of Zoology has designed and conducted a short intensive Bridge course from 10-11-2023 To 22-11-2023, for B. Sc (BZC), I year I semester Zoology back ground students in the subject Zoology organized by **Dr. P. Ravi Sekhar and Dr. Y. Savithri,** the objectives of the course was to analyze their level of understanding of the subject before the start of curriculum and bridge the gap by enhancing their knowledge and bring them on par with students from Aquaculture background. The course covered topics such as "**History & Scope of Zoology, Classification & General characteristics of Invertebrate and Vertebrate Phylum and Classifications."**.

Lecturer in Zoology
Govt. College for Men
KADAPA

Signature of Lecturer

Lecturer in-Charge
Department of Zoology
Govt. College for Men
KADAPA

Signature of the H.O.D

OBJECTIVE OF BRIDGE COURSE

A Bridge course for newly admitted students is conducted every year before the commencement of the first semester classes. The main objective of course is to bridge the gap between subjects studied at pre - university level and subjects they would be studying in Graduation. Give students the confidence and skills to successfully transition to college and new curriculum. This Twelve days student enhancement and development programmed is device for overall grooming and enhancement of the student's fraternity with a special punctuation for students from rural and semi- rural community.

DESIGN

The course consists of twelve hrs of interactive sessions and an internal examination designed by the Zoology department which is compulsory for all students.

Bridge course topics

S.no	NAME OF THE LECTURER	TOPIC TO BE COVERED
1.	Dr. P. Ravi Sekhar	Introduction about the Bridge Course
2.	Dr. P. Ravi Sekhar	Importance of zoology
3.	Dr.Y.Savithri	Animal Kingdom
4.	Dr.Y.Savithri	Classification of animal Kingdom
5.	Dr. P. Ravi Sekhar	General information on Invertebrates
6.	Dr. P. Ravi Sekhar	Protozoa to Porifera
7.	Dr. P. Ravi Sekhar	Coelenterata to Annelida
8.	Dr. P. Ravi Sekhar	Arthropoda to Echinodermata
9.	Dr.Y.Savithri	General information on Chordata
10.	Dr.Y.Savithri	Fishes to Reptiles
11.	Dr. P. Ravi Sekhar	Birds and Mammals
12.	Dr.Y.Savithri	Summarization of Entire Syllabus

CIRCULAR

DATE: 08-11-2023

The I B.sc students are informed that the department of zoology is going to be conduct bridge course to the Zoology students from 10-11-2023 To 22-11-2023. So the students utilize the opportunity.

Bridge Course Material

Invertebrates and vertebrates represent two vast and diverse groups within the animal kingdom, each with distinctive characteristics and evolutionary adaptations.

Invertebrates:

Invertebrates constitute the majority of animal species on Earth, encompassing a wide range of organisms that lack a backbone or spinal column. This group includes insects, arachnids, mollusks, annelids, and many others. Despite their immense diversity, invertebrates

share common traits such as bilateral symmetry, a soft body, and an exoskeleton or hydrostatic skeleton for support and protection. They inhabit diverse ecosystems, from the depths of the ocean to the heights of mountain ranges, and play crucial roles in ecological processes such as pollination, decomposition, and nutrient cycling. Invertebrates exhibit a remarkable array of adaptations to their respective environments and lifestyles. For instance, insects have evolved wings for flight, while cephalopods like octopuses possess highly developed camouflage abilities. Invertebrate physiology varies widely, with some species displaying complex organ systems for circulation, respiration, and nervous system function, while others rely on simpler structures for basic life processes.

Despite their structural diversity, invertebrates share certain cellular and genetic characteristics with vertebrates. They are composed of eukaryotic cells with membrane-bound organelles, containing DNA as their genetic material. However, invertebrate genomes often exhibit variations in size, organization, and gene regulation mechanisms compared to vertebrates.

Vertebrates:

Vertebrates represent a smaller but highly diverse group of animals characterized by the presence of a backbone or spinal column composed of vertebrae. This group includes fish, amphibians, reptiles, birds, and mammals. Vertebrates exhibit a wide range of adaptations to terrestrial, aquatic, and aerial environments, including limbs for locomotion, specialized respiratory systems, and complex sensory organs. One of the defining features of vertebrates is their internal skeletal system, which provides structural support and protection for internal organs, including the brain and spinal cord. This anatomical feature allows for greater mobility and versatility in body shape and size compared to many invertebrates. Vertebrates also possess advanced organ systems for circulation, respiration, digestion, and nervous system coordination, allowing for complex physiological functions. For example, mammals have evolved specialized adaptations such as mammary glands for lactation and a highly developed neocortex for cognitive processes. In terms of genetics, vertebrates generally have larger and more complex genomes compared to many invertebrates, reflecting their evolutionary history and diverse biological traits.

Physiology is the branch of biology that deals with the study of the functions and mechanisms of living organisms and their parts. It encompasses a wide range of disciplines, from molecular and cellular physiology to whole organism physiology, including plants, animals, and humans. Understanding physiology is crucial for comprehending how living organisms maintain homeostasis, respond to changes in their environment, and carry out essential life processes. At the cellular level, physiology examines how cells function and interact with each other to sustain life. This includes processes such as cellular respiration, where cells generate energy through the breakdown of nutrients like glucose, and cellular communication, which involves signaling molecules that regulate various cellular activities.

Organ physiology focuses on the functions of specific organs within an organism. For example, cardiovascular physiology explores how the heart pumps blood throughout the body, while respiratory physiology investigates how the lungs facilitate gas exchange between the body and the environment. Systemic physiology considers the integrated functions of multiple organs and systems within an organism. This includes systems such as the nervous system, which coordinates communication between different parts of the body through electrical and chemical signals, and the endocrine system, which regulates various physiological processes through the release of hormones. Human physiology, in particular, delves into the intricacies of the human body, including the musculoskeletal system, digestive system, immune system, and reproductive system. It explores how these systems work together to maintain health and respond to internal and external stimuli.

Advancements in technology, such as imaging techniques and molecular biology tools, have revolutionized the field of physiology, enabling researchers to investigate physiological processes at increasingly finer scales. This interdisciplinary approach has led to discoveries that have profound implications for medicine, agriculture, and environmental science. Evolution is the biological process through which living organisms have changed over time. It is a fundamental concept in biology and provides the framework for understanding the diversity of life on Earth. The theory of evolution, proposed by Charles Darwin in the 19th century, explains how species evolve through the mechanisms of natural selection, genetic drift, gene flow, and mutation.

Natural selection is the cornerstone of evolutionary theory. It describes how certain traits become more or less common in a population over time based on their contribution to an organism's survival and reproduction. Individuals with advantageous traits are more likely to survive and pass on their genes to the next generation, while those with less favorable traits are less likely to reproduce. Genetic drift refers to the random fluctuations in the frequency of alleles (different versions of a gene) in a population due to chance events. It can have a significant impact on small populations and is a key driver of evolution in isolated or bottlenecked populations.

Gene flow occurs when individuals from one population migrate and interbreed with individuals from another population, introducing new genetic variation into the gene pool. This exchange of genes can lead to the spread of beneficial traits throughout a species.

Mutation is the ultimate source of genetic variation. It is the process by which changes occur in the DNA sequence of an organism's genes, resulting in new alleles. While most mutations are neutral or harmful, some may confer advantages under certain environmental conditions, driving evolutionary change.

Evolution occurs over long periods of time and can lead to the emergence of new species through a process known as speciation. This occurs when populations become reproductively

isolated from each other, preventing gene flow and allowing for the accumulation of genetic differences that ultimately result in the formation of distinct species. The evidence for evolution is overwhelming and comes from multiple sources, including the fossil record, comparative anatomy, embryology, biogeography, and molecular biology. Together, these lines of evidence provide a compelling picture of the history of life on Earth and the processes that have shaped its diversity over billions of years.

Estd:1948

Government College for Men (A), Kadapa
NAAC accredited at "B" grade
ISO 9001-2015 Certified

Abstract of the Bridge Course

Name of the Department: HISTORY

Name of the Activity: BRIDGE COURSE

S.No	Academic Year	Date	Name of the Activity	No. of Beneficiaries
1	2018-2019	08-06-2018	Bridge Course	31
2	2019-2020	17-06-2019	Bridge Course	34
3	2020-.2021	24-11-2020	Bridge Course	38
4	2021-.2022	24-11-2021	Bridge Course	32
5	2022-2023	15-09-2023	Bridge Course	21

M Ramesh

Signature of the Dept. In-Charge

PRINCIPAL
GOVT. COLLEGE FOR MEN (A)
KADAPA.

Signature of the Principal

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BRIDGE COURSE

2018-2019

Date: 08-06-2018

1. NAME OF THE PROGRAMME — BRIDGE COURSE

2. COURSE — B.A. STUDENTS

3 ORGANISED BY — DEPARTMENT OF HISTORY

4 NAMES OF THE LECTURES — N. SIVAPARVATHI, Dr. M. RAMESH

CONTENT

The Bridge Course is designed to bridge the gap between the previous knowledge of the students and the present knowledge they are acquiring in the present courses.

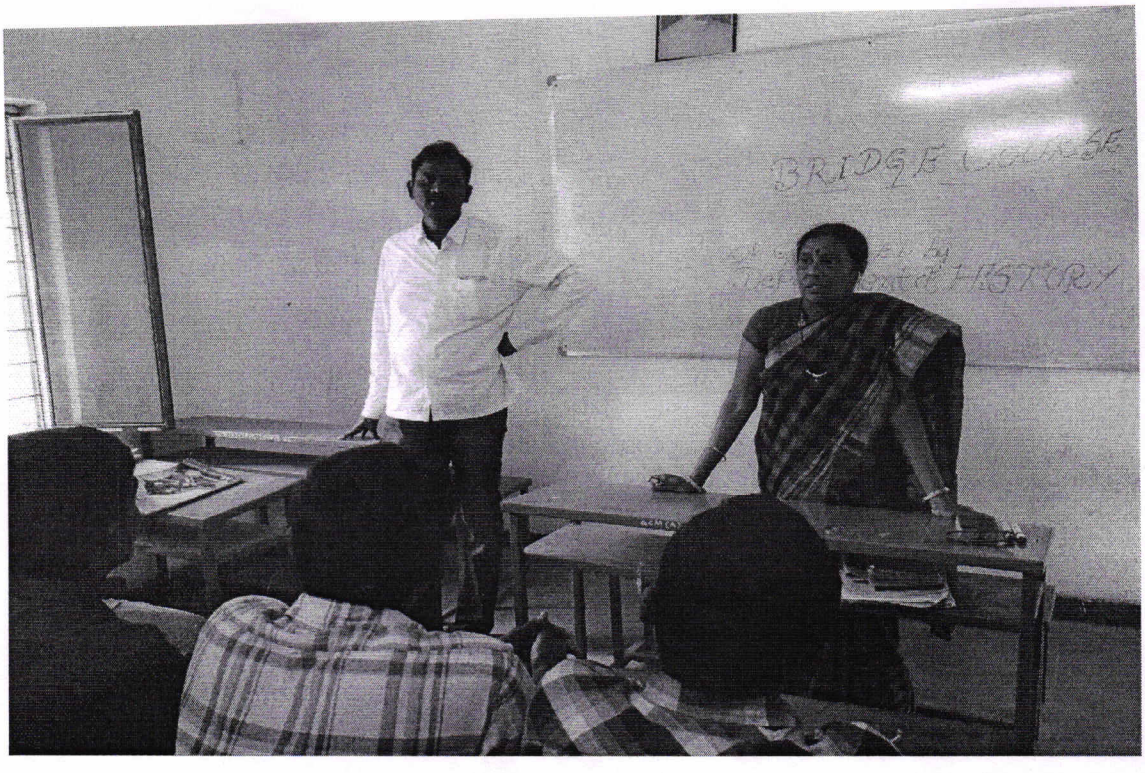
The Department of History organised a Bridge Course for the I Year B.A. History Students with the aim of introducing them to various aspects of the program and providing guidance on academic and career pathways. The course held on 8th July 2018 and two staff members delivered presentation on different topics related to the discipline of History.

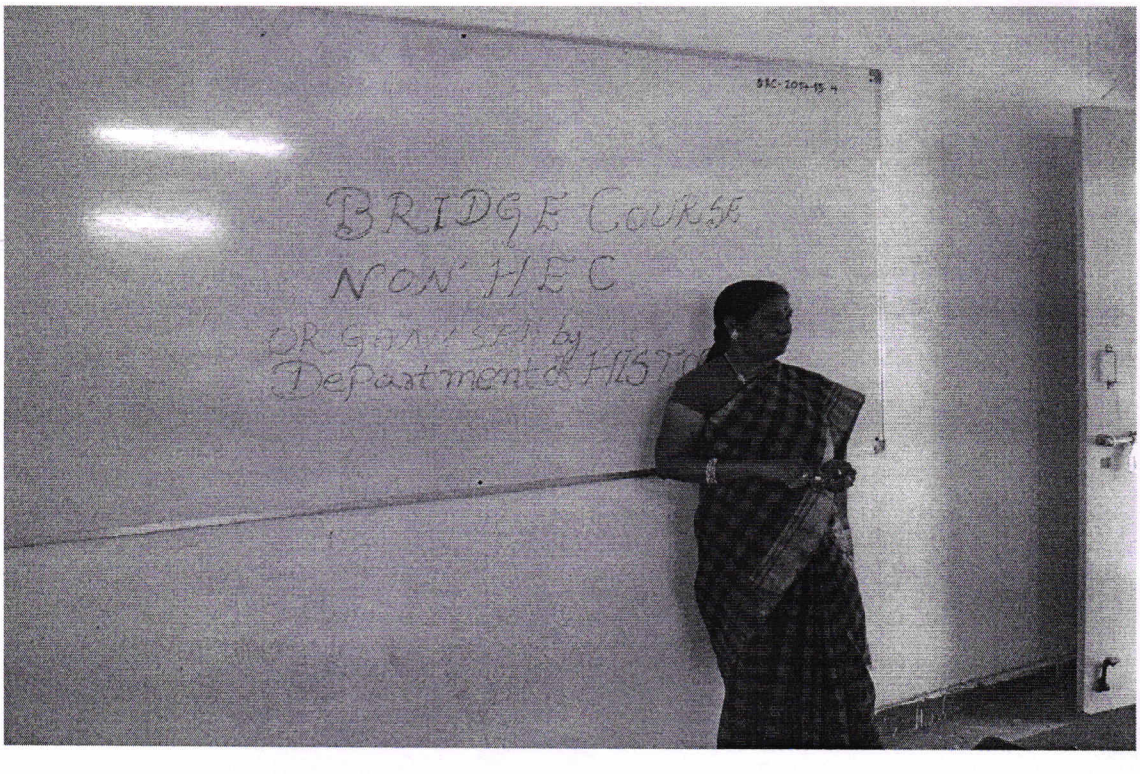
In view of that we introduced certain fundamental elements of history exclusively bringing awareness on different periods of history-Ancient, Middle and Modern. This would enable the students to have knowledge about the progress of civilization and cultural in India. We the faculty of History involved in delighting the students different dynasties and the way of administration and clarified the doubts raised by the students.

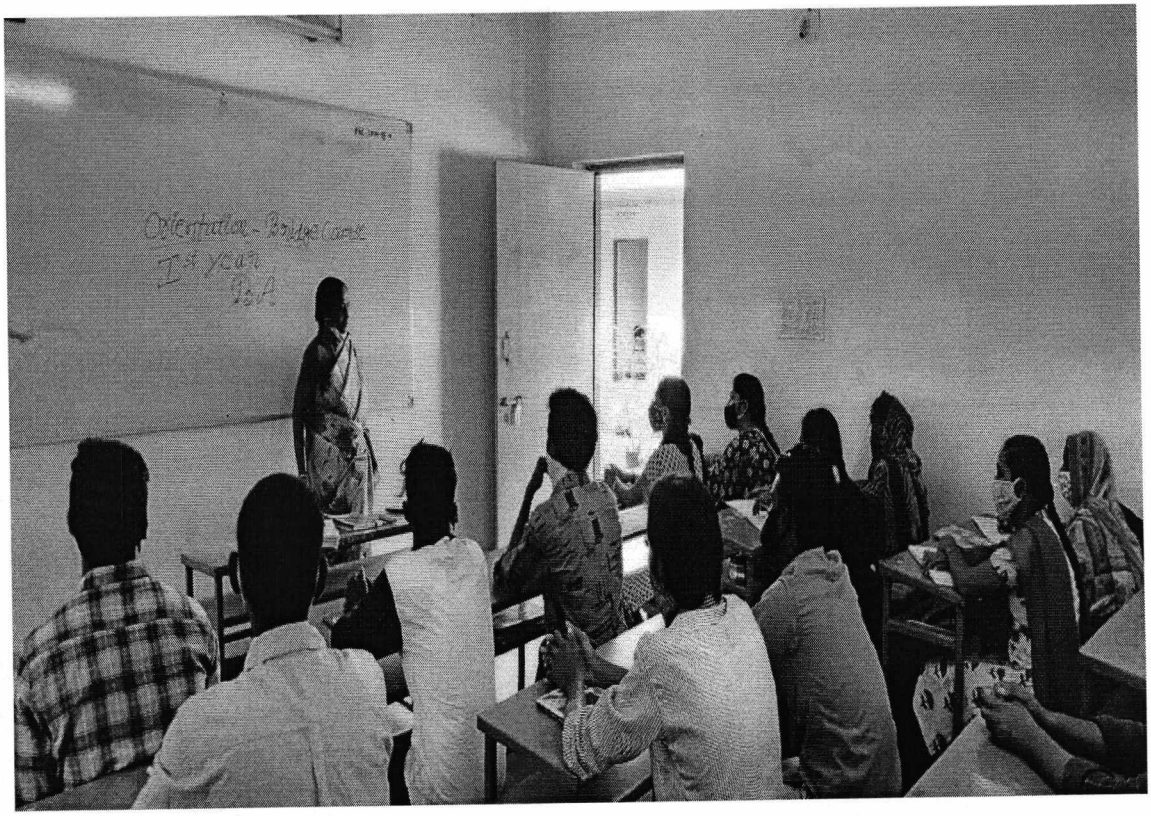
Course Outcomes

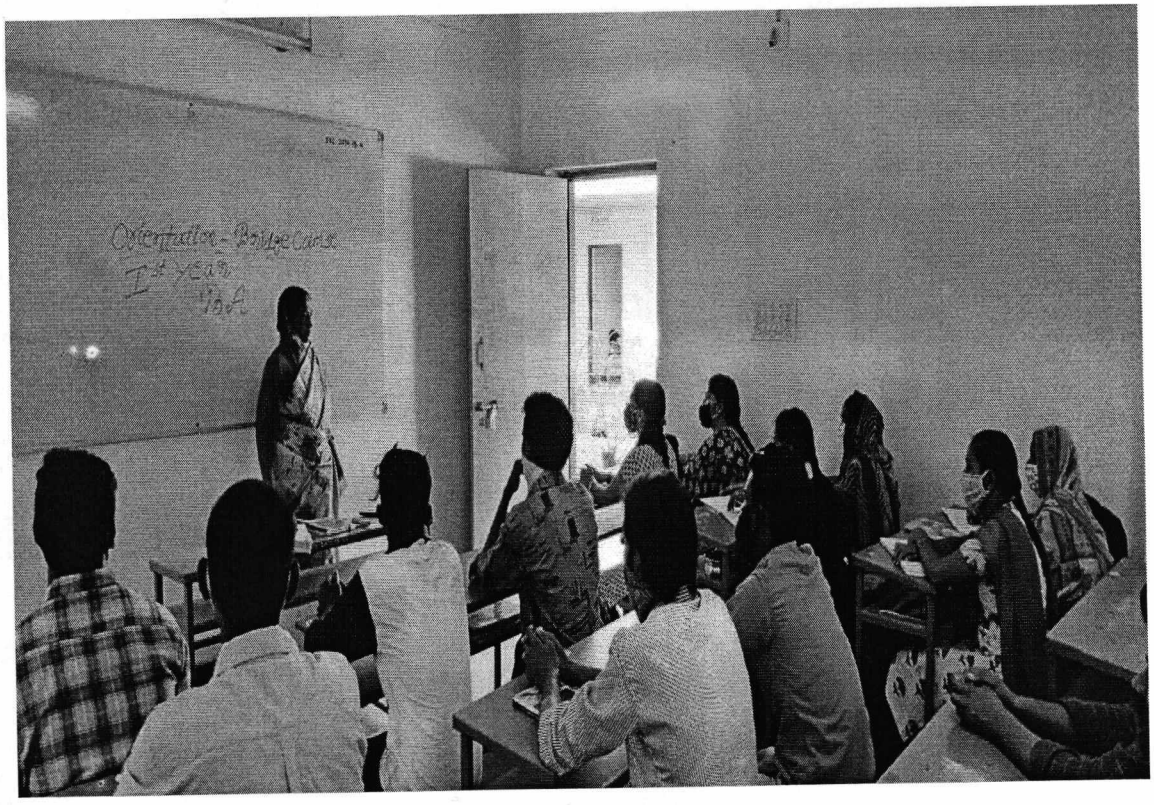
- Understanding Capacity
- To Improve Practical Skills of the subject
- Bridge Course can boost students confidence by making in the field of study
- Focus on improving foundational knowledge.

Bridge Course Photo Evidences 2018-2019

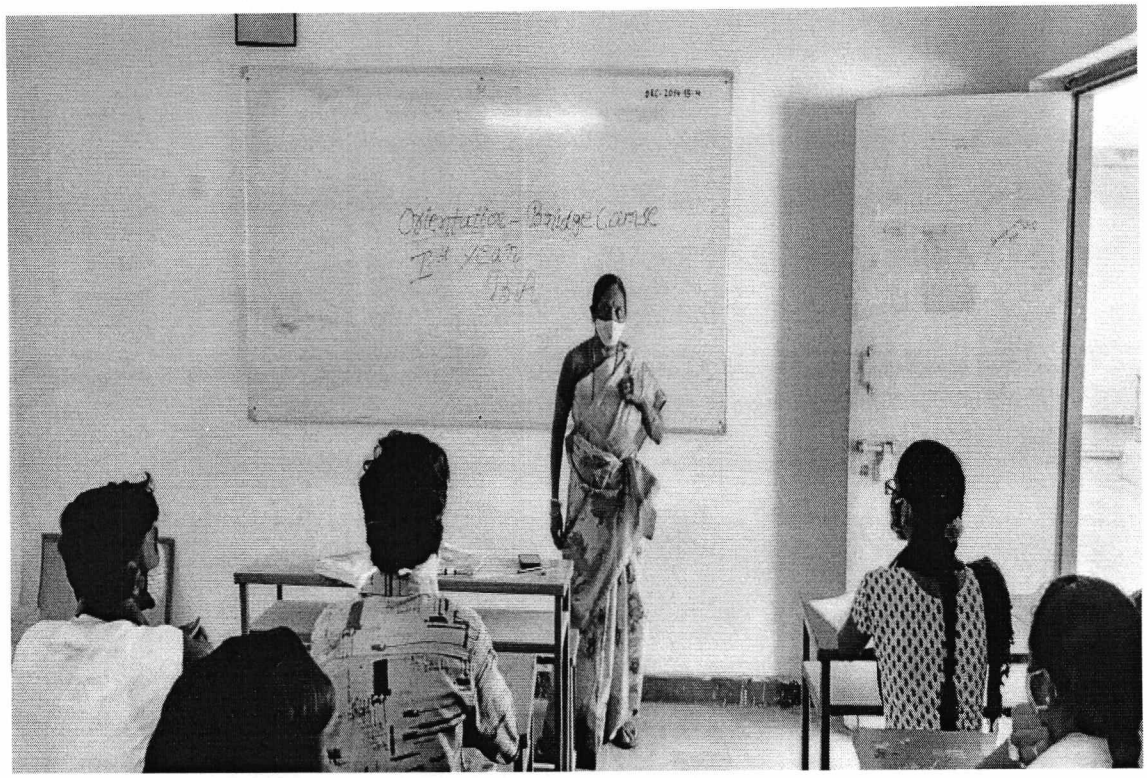


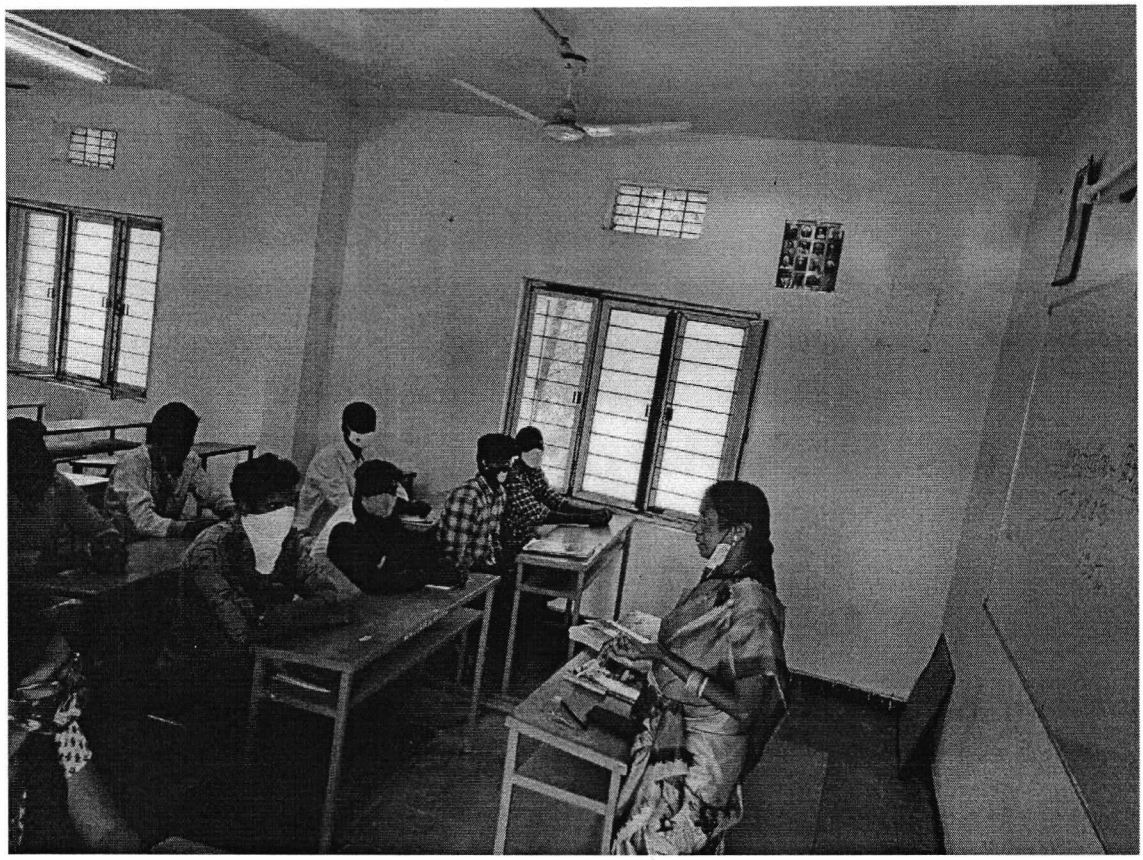



Orientation - Bridge Course
I st year
BA

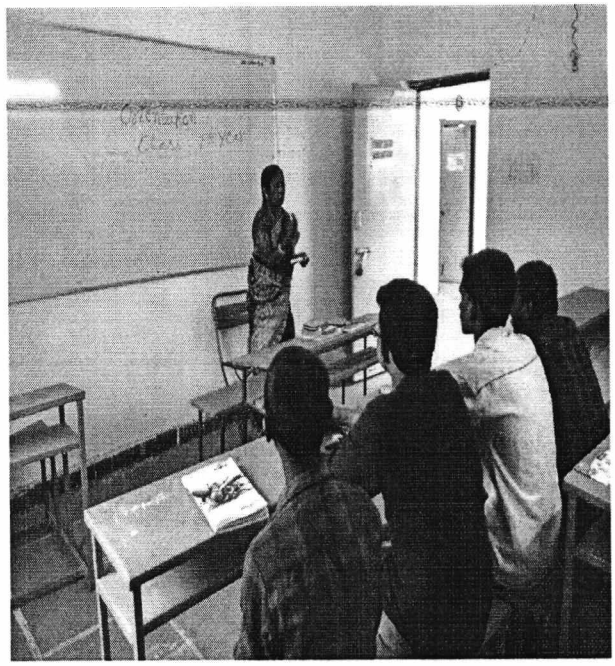

Orientation - Bridge Course
I st year
BA

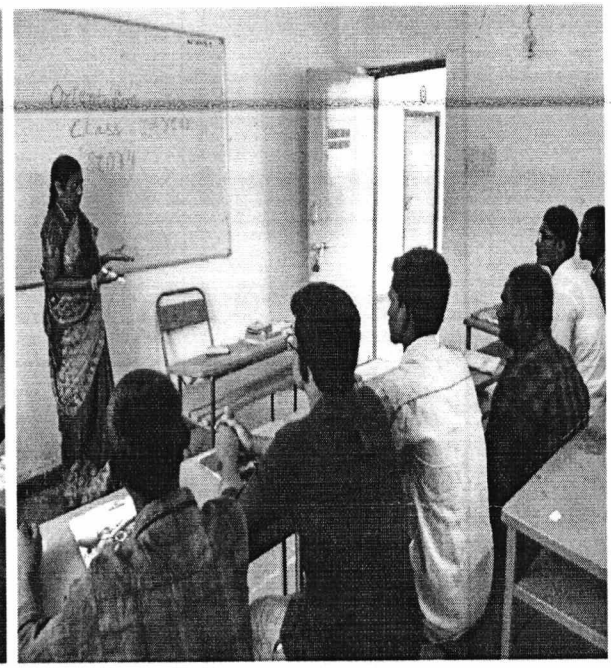
BRIDGE CIYRSE course

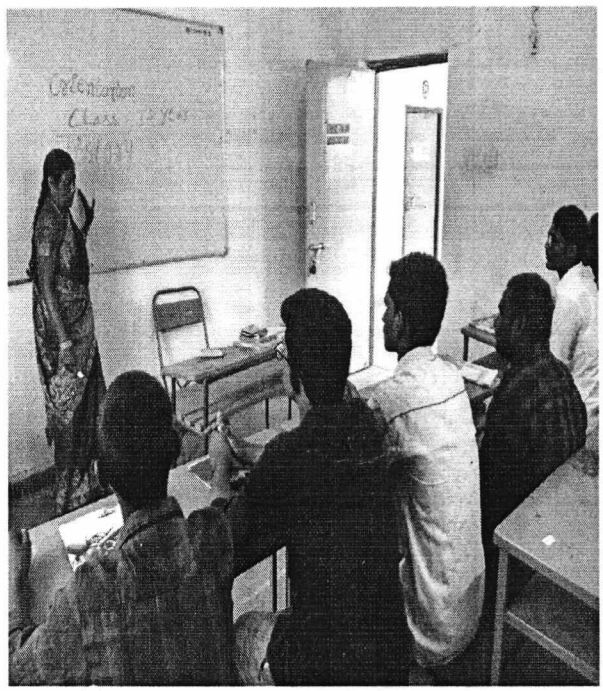


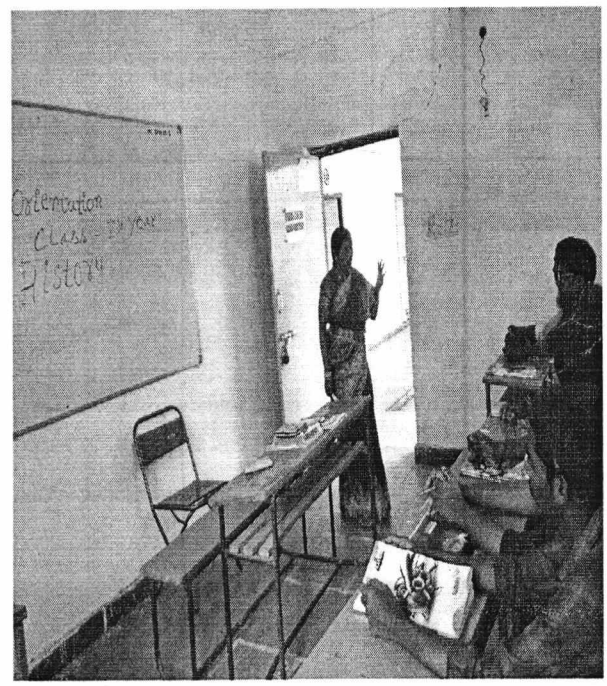


Orientation Programme on Semesters/Syllabus/Exams Pattern etc.
Date: 2018-2019









27-6-18

History 3rd Period

D. Jith Roshan (H.E.P) Em

N. Srikanth. [H.E.P] T.M.

R. Suneel kumar (HEP) G.M

S. Prasad. (H.E.P) T.M

S. Kaarthi k Kumar Reddy [H.E.P) T.M

M. [illegible] [H.E.P) T.M

M. [illegible] [H.E.P] T.M

D. Vijay krishna [H.E.P] C.M

S. Jilan basha. (H.E.P) M.

N. Venkatesh (H.EP) T.M.

2-7-18

History 2nd Period

1D. Jith Roshan [H.E.P) [E.M]

2S. Allabakash. [H.E.P) (E.M)

3S. Jeelan basha [H.E.P) (T.M)

4S. [illegible] [H.E.P) [T.M]

5N. Venkatesh (H.E.P). (T.M).

6M. [illegible] [H.E.P] (T.M)

7M. Rama naik (H.E.P) (T.M)

8G. Veeranjaneyulu. (H.P.T) T.M

9S. Solmon (H.P.T) (E.M)

10N. Srikanth. [H.E.P]. (T.M).

11S. Prasad [H.E.P] (T.M)

12R. Lakshminarasimha (HEP) (EM)

13D. Vijay krishna (H.E.P) (E.M)

14M. Mahesh babu. [H.E.P] [T.M]

History

19-6-18 1st hour

D. Jith Roshan

19/6/18

20-6-18 1st hour

D. Jith Roshan

Manikanta

20/6/18

21-6-18 1st hour

D. Jith Roshan

21/6/18.

M. Vasu.

25-6-18 1st hour

D. Jith Roshan (HEP) (EM)

O. Vijay krishna (HEP) (E.M)

R. Lakshminarasimha (HEP) (EM)

S. Jilan bagha. (HEP) (TM)

M. Vasu. (H.E.P). T.M.

S. Karthik Kumar Reddy (HE.P). T.M

M. Arjunreddy (H.E.P) T.M

N. Venkatesh (H.Ep). T.M.

26-6-18 1st hour

25/6/18

D. Jith Roshan (H.E.P) (E.M)

Lecturer in History
College for Men.

R. Lakshminarasimha (HEP) (EM)

S. Jilan bagha. (HEP) - (T.M)

N. Srikanth [HEP] - [T.M]

R. Suneel Kumar [H.E.P] - [E.M]

M. Vasu. (H.E.P.) [T.M]

G Venkatesh (HEP) [TM]

M. Arjunreddy [HEP] [TM]

N. Venkatesh [H.Ep] [T.M.]

S. Karthik Kumar Reddy [H.E.P] [T.M]

Lecturer in History.
College for Men.

26.6.18

BRIDGE COURSE

2019-2020

Date: 17-06-2019

1. NAME OF THE PROGRAMME	BRIDGE COURSE
2. COURSE	B.A. STUDENTS
3 ORGANISED BY	DEPARTMENT OF HISTORY
4 NAMES OF THE LECTURES	N. SIVAPARVATHI
	Dr. M. RAMESH

CONTENT

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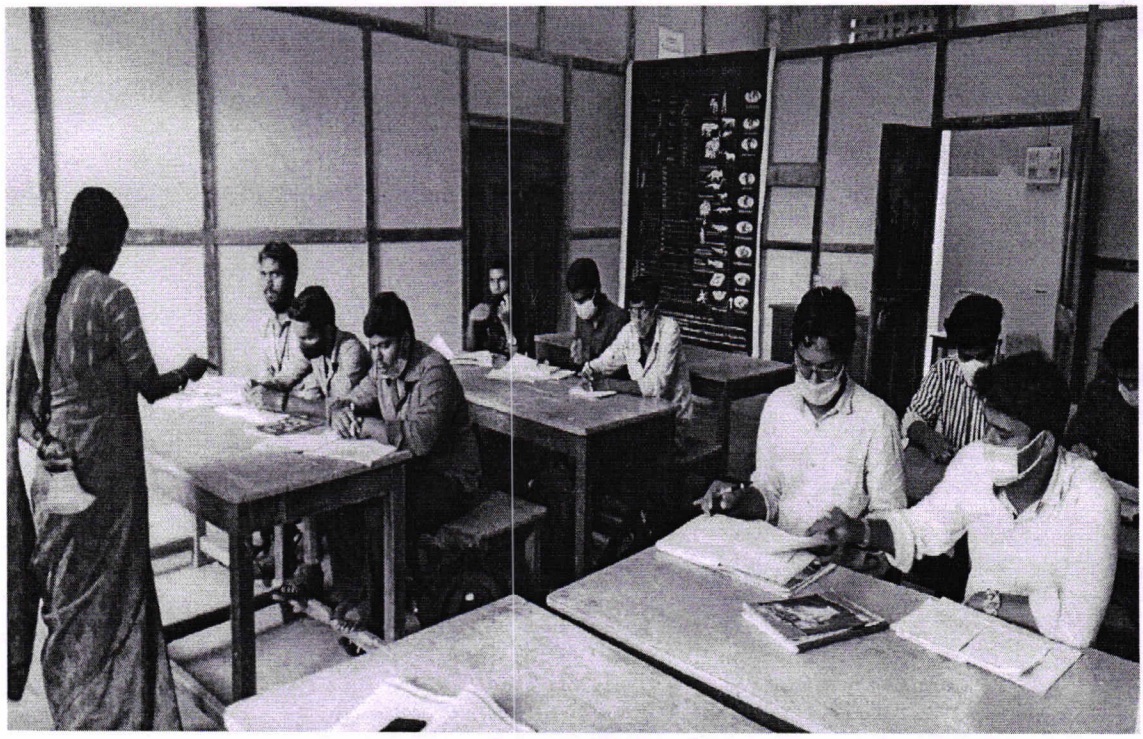
The Department of History organised a Bridge Course for the I Year B.A. History Students with the aim of introducing them to various aspects of the program and providing guidance on academic and career pathways. The course start from 17th July 2019 to 26th July 2019 and two staff members delivered presentation on different topics related to the discipline of History.

We the faculty of History involved in delighting the students on the significance of History as a discipline and emphasized the role of History in understanding the present, analyzing social changes and preserving cultural heritage. The Lecturers of History provided an overview of the program structure and requirements for the B.A. History Course and clarified the doubts raised by the students.

Course Outcomes

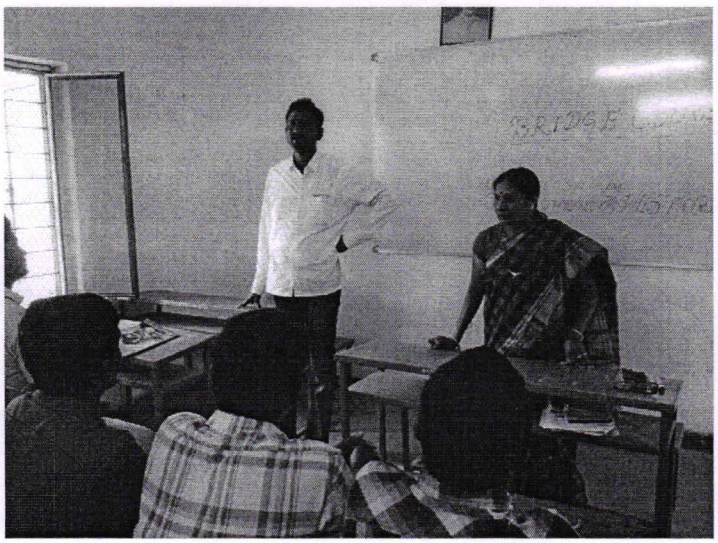
- Bridge Course focus on developing Skills
- Understanding Capacity
- Fill knowledge gaps and understanding of essential subjects
- Ensuring a more comprehensive academic foundation
- Bridge Course can boost students confidence by making in the field of study

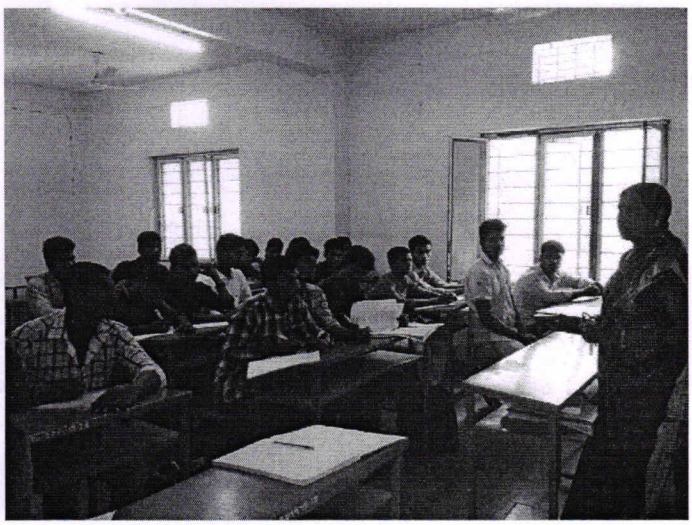
Bridge Course Evidences 2019-2020



AY: 2018-2019 **2.2.1 Bridge Course**

1.	Title of the Activity	:	**Bridge Course on Significance of Social Sciences**
2.	Organizing Department	:	**History**
3.	Name of the Organizer	:	**N. Sivaparvathi**
4.	Activity Conducted for	:	**UG Students**
5.	Date		**04/07/2018**
6.	Resource Person	:	
7.	Collaborator	:	
8.	No. of Beneficiaries	:	**Students: 56** **Faculty: 3**





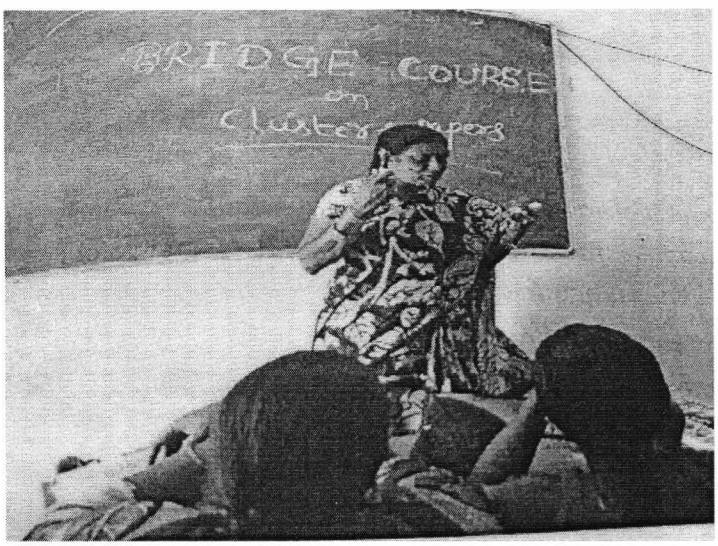
Brief Description with Outcomes:

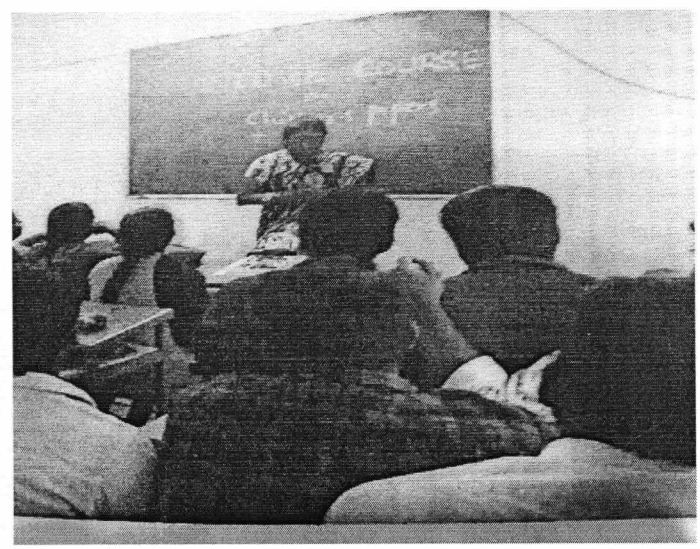
Organized by the History department at Government College for Men (A), Kadapa, the Bridge Course on the Significance of Social Sciences was conducted for UG students during the academic year 2018-2019. N. Sivaparvathi, a dedicated Lecturer, spearheaded this educational initiative, held at the college level on 4th July 2018. The collaboration involved 56 enthusiastic students and 3 faculty participants, emphasizing the importance of social sciences in academic development. Principal unwavering support greatly contributed to the successful execution of this insightful activity.

The Bridge Course facilitated a profound understanding of the role and impact of social sciences in diverse fields, enhancing the students' analytical skills and critical thinking. Participants gained insights into the historical and contemporary significance of social sciences, broadening their academic perspective. This endeavor not only enriched the academic experience but also fostered a sense of intellectual curiosity among the attendees. The collaborative efforts and active participation reflect the success of the activity in achieving its educational objectives. The support of Principal underscored the college's commitment to providing holistic learning opportunities.

AY: 2019-2020 **2.2.1 Bridge Course**

1.	Title of the Activity	:	**Bridge Course on Cluster Papers (History)**
2.	Organizing Department	:	**History**
3.	Name of the Organizer	:	**N. Sivaparvathi**
4.	Activity Conducted for	:	**UG Students**
5.	Date		**27/10/2020**
6.	Resource Person	:	
7.	Collaborator		:
8.	No. of Beneficiaries	:	**Students: 40** **Faculty: 3**





Brief Description with Outcomes:

N. Sivaparvathi, a dedicated Lecturer in the History department at Government College for Men (A), Kadapa, organized a Bridge Course on Cluster Papers in History. This course, conducted at the college level on October 27, 2020, during the academic year 2019-2020, aimed to provide valuable insights to UG students.

Aligned with Metric No. 2.2.1, the Bridge Course played a crucial role in easing the transition for students, offering support and additional learning opportunities related to cluster papers in History. The initiative received encouragement and support from Principal, highlighting the commitment of the college to enhance the academic experience for students.

The event involved 40 enthusiastic student participants and three faculty members. The collaboration and engagement during the Bridge Course facilitated a better understanding of cluster papers in History, contributing to the holistic development of the participating students.

Principal support was instrumental in the seamless execution of this educational initiative. His commitment to fostering academic excellence ensures that such activities align with the college's mission to provide quality education and support to students.

Government College for Men ★ KADAPA ★ Autonomous

PRINCIPAL
GOVT. COLLEGE FOR MEN (A)
KADAPA.

Date 19/6/19 History 3rd ~~hour~~ hour.

Date, 19/06/19

1. P. Tejeswara [HPT]
2. B. Mahaboob Basha [HPT]
3. P. Reddy basha [HPT]
4. N. Mallesh [HPT]
5. K. Sekhar. [HPT] [HEP]
6. M. Uday Kiran [HEP] EM
7. S. Khader basha (H.E.P) T.M
8. N. Rama Krishna. (HEP) T.M.
9. T. Sreenivasulu (HEP) T.M. X
10. SHIVA Teja (H.E.P) T.M X
11. P. Ramesh (HEP) E/M
12. N. Rambrahmaiah (H.E.P) E/M X
13. M. Venkata Subbaiah
14. V. Uday Kiran
15. G. Rajagopal Reddy
16. T. Ganesh. (H.E.P) E/M
17. T. ~~Vijay Kumar~~ (H.P.T).
18. G. Hari (H.EP) EM
19. K. Siva Theja.
20. M. Nageswara Naik [B.A] [H.P.T]
21. Y. Sagar. [BA HEP TM]
22. ~~V~~. Raj Kumar (B.A) (TM)
23. P. Pavan Kumar (11) (EM)
24. J. Ellamaiah.
25. Y. Krishna Babu B.A (HEPSY) T.M
26. B. Nagendra Babu B.A (H.E.P) (E.M)
27. P. Palakonda [H.E.P] EM
28. V. [illegible]
29. V. Charan H.E.P
30. M. Surendra HPT (TM)

Date - 20-9-2019 History 1st period

1.) P.C. Sai Bhuay (B.A) (H.G.P) (E.M)
2). P. PALAKONDA. [B.A] [H.E.P] [E.M]
3). K. Siva Shedo [B.A] [H.E.P] T.M
4.) P. Tejeswara [BA] [HPT] T.M
5) S. Khader basha [B.A] [H.E.P] T.M
6) N. Ramakrishna [B.A] [H.E.P] T.M.
7) M. Nageswar Naik [B.A] [H.P.T] T/M
8) Y. Sagar. [B.A] [H.E.P] T.M
9) T. Ganesh (B.A) (HEP) E/M
10) G. Hari (B.A) (HEP) E/M
11) M. Uday kiran BA HEP EM
12) J. Raj kumar (B.A) (HEP) TM
13) P. Phanikumar (B.A) (HEP) EM
14) P. Ramesh B.A (H.E.P) EM
15) N. Ram brahmaiah H.E.P E/M
16) B. Mahaboob Basha H.P.T T/M Telugu
17) G. Raja Sekhar H.P.T T/M
18) B. Pavan kumar H.E.Psy T/M
19. A. Veera Teja H.E.P EM
20 V. Dhanush H.E.P. EM
21 K. venkata Teja H.E.P EM
22. B. Raj Narshimha HEP TM
23 T. Ganadhara Chari (HPT).

BRIDGE COURSE

2020-2021

Date: 24-11-2020

1. NAME OF THE PROGRAMME	BRIDGE COURSE
2. COURSE	B.A. STUDENTS
3 ORGANISED BY	DEPARTMENT OF HISTORY
4 NAMES OF THE LECTURES	N. SIVAPARVATHI
	Dr. M. RAMESH

CONTENT

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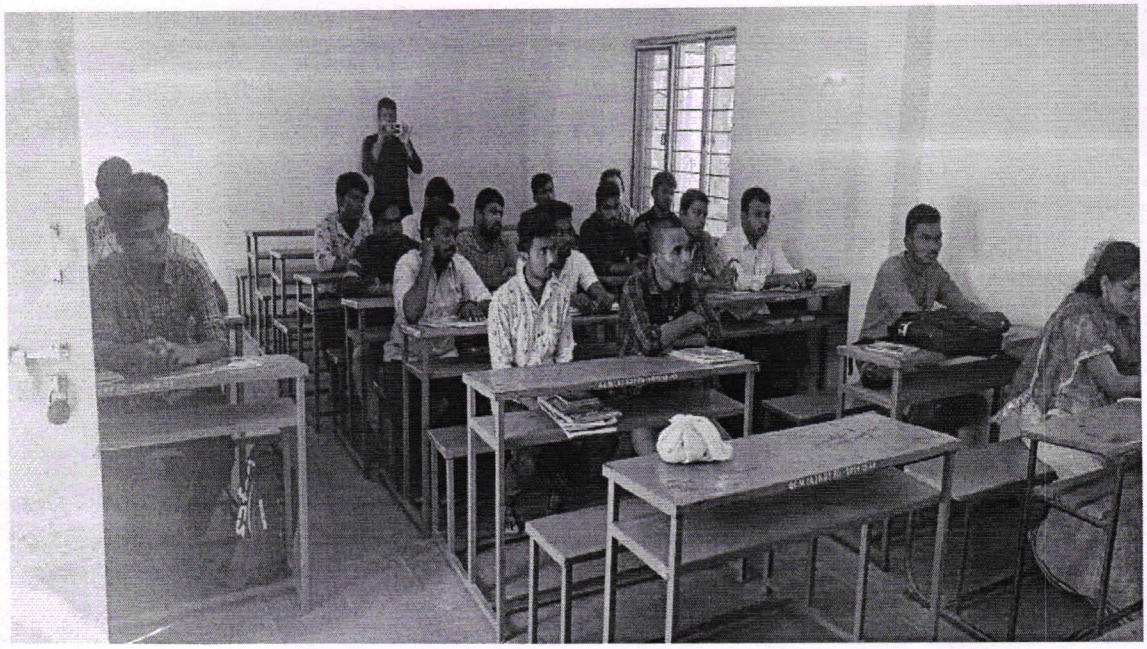
COURSE OUTCOMES

- Understanding Capacity
- To Improve Practical Skills of the subject
- Bridge Course can boost students confidence by making in the field of study
- Focus on improving foundational knowledge.

PHOTO EVIDENCE



M. Ramesh

Signature of Lecturer

PRINCIPAL
GOVT. COLLEGE FOR MEN (A)
KADAPA.

Government College for Men ★ KADAPA ★ Autonomous

BRIDGE COURSE

2021-2022

Date: 24-11-2021

1. NAME OF THE PROGRAMME	BRIDGE COURSE
2. COURSE	B.A. STUDENTS
3 ORGANISED BY	DEPARTMENT OF HISTORY
4 NAMES OF THE LECTURES	N. SIVAPARVATHI
	Dr. M. RAMESH

CONTENT

The Bridge Course is designed to bridge the gap between the previous knowledge of the students and the present knowledge they are acquiring in the present courses.

The Department of History organised a Bridge Course for the I Year B.A. History Students with the aim of introducing them to various aspects of the program and providing guidance on academic and career pathways. The course held on 24th November 2021 and two staff members delivered presentation on different topics related to the discipline of History

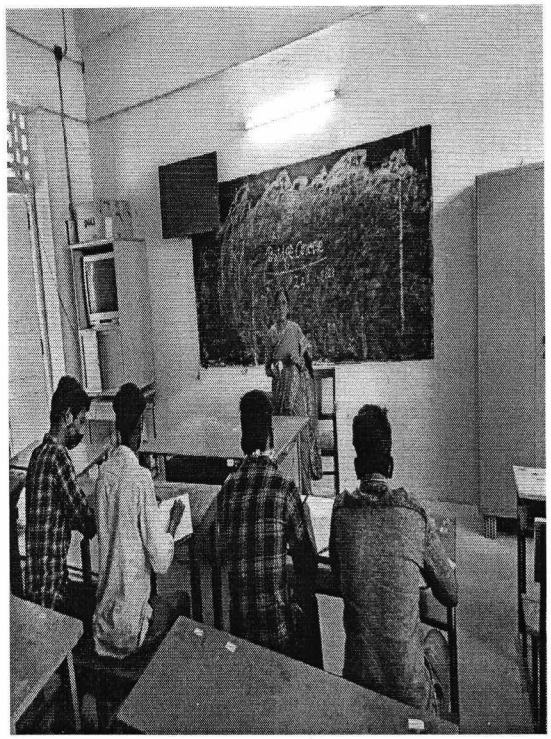
DR. M. Ramesh, faculty of History delivered a presentation on the significance of History as a discipline. He emphasized the role of History in understanding the present, analysing of social changes and present serving cultural heritage. He clarified the doubts raised by the students.

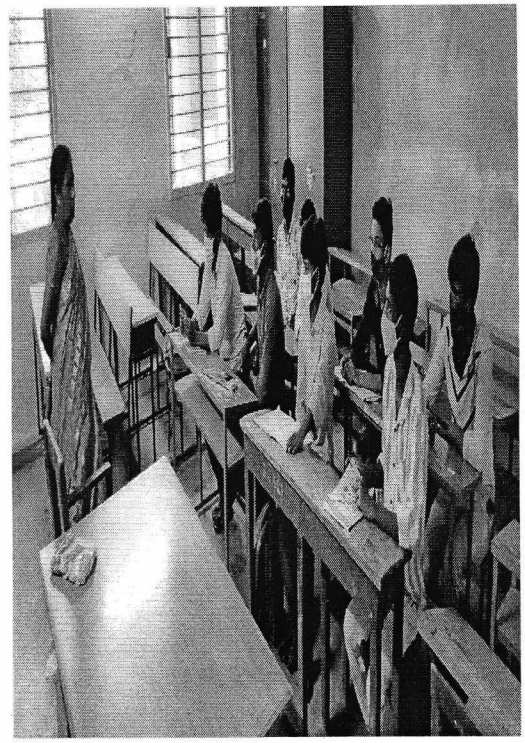
Smt. N. Sivaparvathi explained an overview of the program structure and requirements for the B.A. History Course. She explained the Core subjects, Elective options and credit distribution and also highlighted the importance of curriculum planning and significance of meeting academic pre-requisite.

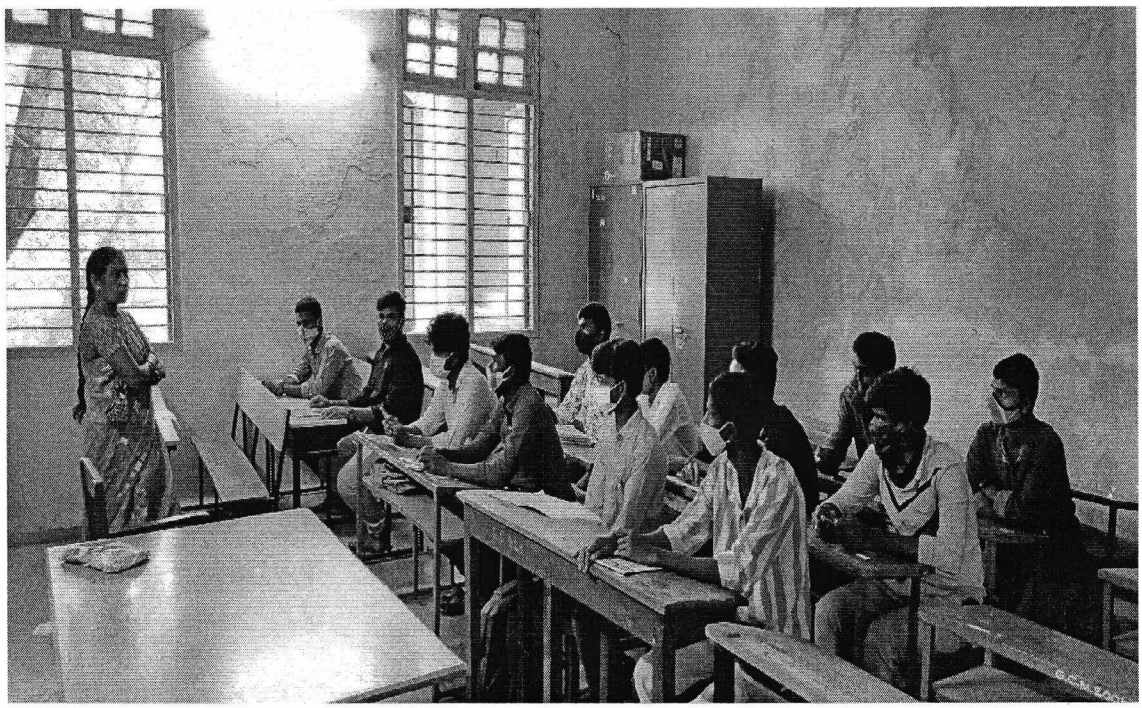
COURSE OUTCOMES

- Understanding Capacity
- To Improve Practical Skills of the subject
- Bridge Course can boost students confidence by making in the field of study
- Focus on improving foundational knowledge.

.BRIDGE GOURSE PHOTO EVIDENCES 2021-2022







M. Ramesh

Signature of the Lecturer

Government College for Men ★ Autonomous ★ KADAPA

PRINCIPAL
GOVT. COLLEGE FOR MEN (A)
KADAPA.

25/11/21

Name	Mobile	Signature
B. Siva	9966674655	B. Siva
K. Rajkumar	6301698164	K.
J. Abbaram	9398579115	J. Abbaram
M. Ganesh	7893368950	M. Ganesh
N. ANNAMAIAH	9346366303	N. Annamaiah
S. Mohammed Sharif	7995607635	S. Mohammed Sharif
K. Venugopal	8302674171	
G. Rangaiah	9550863575	Rangaiah

Bridge Course I Year BA

24.11.21

Name	Mobile	Signature
K Rajkumar	6301698164	
B. Siva	9966674655	B. Siva
J. Abraham	9398749113	J. Abraham
M. Ganesh	7893685960	M. Ganesh
N. ANNAMAIAH	9346366303	N. Annamaiah
S. Mohammed Shanj	7995107635	S. Mohamed Shanj
K. Venugopal	6302874171	
G. Rangaiah	9550863575	Ranga

BRIDGE COURSE

Date: 15-09-2023

1. NAME OF THE PROGRAMME	BRIDGE COURSE
2. COURSE	B.A. STUDENTS
3 ORGANISED BY	DEPARTMENT OF HISTORY
4 NAMES OF THE LECTURES	N. SIVAPARVATHI
	Dr. M. RAMESH
	E.M.D. GAYAS

CONTENT

The Bridge Course is designed to bridge the gap between the previous knowledge of the students and the present knowledge they are acquiring in the present courses.

As per new Educational Policy History subject is made a compulsory paper for all programmes. In view of that we introduced certain fundamental elements of history exclusively bringing awareness on different periods of history-Ancient, Middle and Modern. This would enable the students to have knowledge about the progress of civilization and cultural in India. We the faculty of History involved in enlighting the students different dynasties and the way of administration.

The teachers explained the different aspects of their respective subjects and clarified the doubts raised by the students.

BRIDGE COURSE

Date: 16-09-2023

1. NAME OF THE PROGRAMME	BRIDGE COURSE
2. COURSE	SCIENCE STUDENTS Multi Disciplinary course
3 ORGANISED BY HISTORY	DEPARTMENT OF
4 NAMES OF THE LECTURES	N. SIVAPARVATHI Dr. M. RAMESH E.M.D. GAYAS

CONTENT

The Bridge Course is designed to bridge the gap between the previous knowledge of the students and the present knowledge they are acquiring in the present courses.

As part of Multi Disciplinary course History is introduced to all Science Programmes to have knowledge about History and how it influences the society right from the past. This would enable the Science Students appear for Civils and Groups Examinations without any difficulties. The faculty has been interested to different classes accordingly Smt. N. Sivaparvathi handles classes for Mathematics, Statistics, Botany and Geology. Dr. M. Ramesh handles Chemistry, Analytical Chemistry, Zoology, Computer Science Machine Learning and Mr. E.M.D.Gayas.

The teachers explained the different aspects of their respective subjects and **clarified the doubts raised by the students.**

BRIDGE COURSE

Date: 25-06-2019

1. NAME OF THE PROGRAMME	BRIDGE COURSE
2. COURSE	B.A. STUDENTS
3 ORGANISED BY	DEPARTMENT OF HISTORY
4 NAMES OF THE LECTURES	N. SIVAPARVATHI
	Dr. M. RAMESH
	E.M.D. GAYAS

CONTENT

The Bridge Course is designed to bridge the gap between the previous knowledge of the students and the present knowledge they are acquiring in the present courses

As per new Educational Policy History subject is made a compulsory paper for all programmes. In view of that we introduced certain fundamental elements of history exclusively bringing awareness on different periods of history-Ancient, Middle and Modern. This would enable the students to have knowledge about the progress of civilization and cultural in India. We the faculty of History involved in delighting the students different dynasties and the way of administration.

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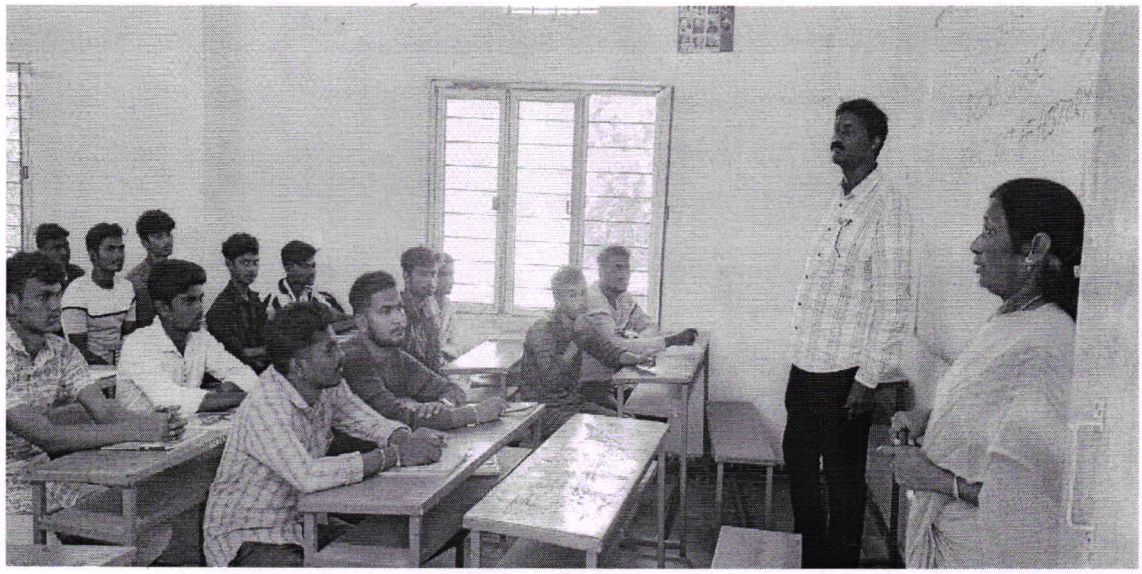

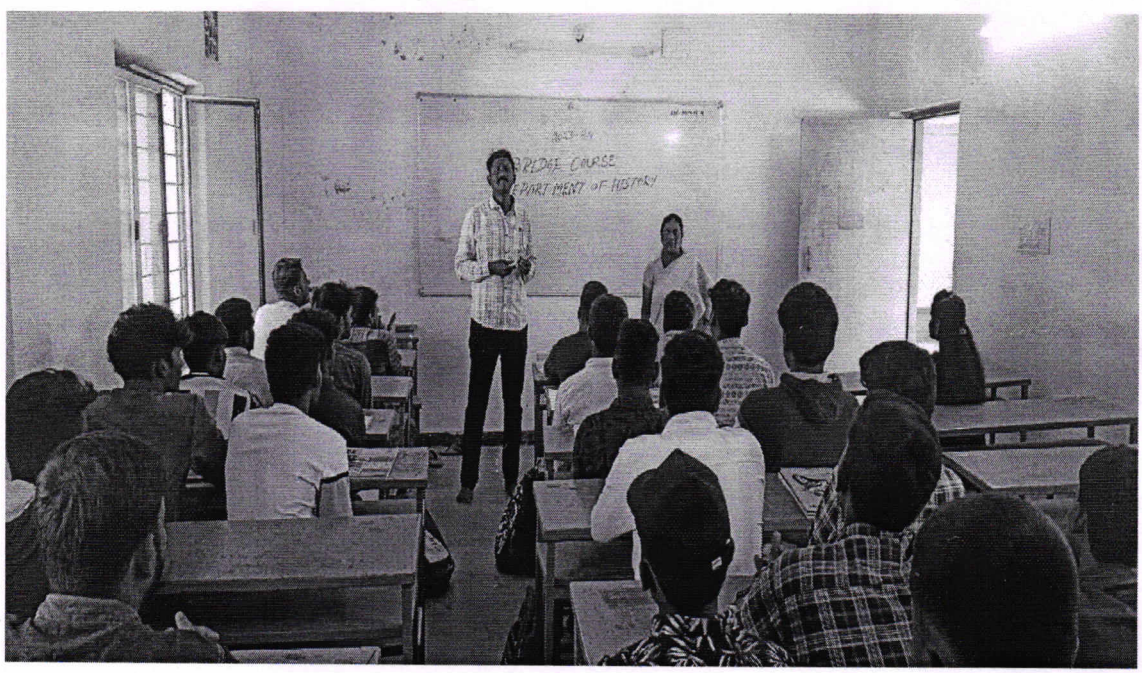

PRINCIPAL
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KADAPA.

Signature of the Lecturer

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Estd:1948

Government College for Men (A), Kadapa
NAAC accredited at "B" grade
ISO 9001-2015 Certified

Abstract of the Bridge Course

COMPUTER SCIENCE

S. No	Academic Year	Date	Name of the Faculty	Title of the Activity	No. of Beneficiaries
1.	2021-22	25/11/2021 to 30-11-2021	T MANOHAR REDDY	Computer Fundamentals	20
2.	2021-22	10/11/2022 To 15/11/2022	Y.Anitha	Fundamentals of Computer Science	20
3.	2021-22	25/11/2021 to 30-11-2021	M.Govardhan	C Language Basics	14
4.	2021-22	27/04/2022	M.Govardhan	Internet Basics	20
5.	2021-22	08/07/2022	B.Renuka Devi	Introduction to Basic Concepts of OOP	5
6.	2022-23	14/11/2022	M.Govardhan	Introduction to Operating System	23
7.	2022-23	15/11/2022	Y.Anitha	Introduction to Computer System	23
8.	2022-23	15/11/2022	T MANOHAR REDDY	COMPUTER FUNDAMENTALS	23
9.	2022-23	15/11/2022	B.Renuka Devi	Input and Output Devices	23
10.	2022-23	22/11/2022	MAHABOBSUBHANI M	COMPUTER FUNDAMENTALS	3
11.	2022-23	23/11/2022	K.H.Sampath Kumar Raju	COMPUTER FUNDAMENTALS	19

LECTURER INCHARGE
DEPT. OF COMPUTER SCIENCE
GOVT. COLLEGE FOR MEN (A)
KADAPA.

PRINCIPAL
GOVT. COLLEGE FOR MEN (A)
KADAPA.

Signature of the Dept. In-Charge

Government College for Men ★ KADAPA ★ Autonomous

Signature of the Principal

Government College for Men:: Kadapa

(NAAC Accredited at "B" Grade)

Andhra Pradesh-516004

Bridge Course Report

AY: 2021-2022

Name of the Faculty	**: ANITHA YARAVA**
Organizing Department	**: COMPUTER SCIENCE**
Title of the Activity	**: Bridge Course**
Date	**: 10.11.2022 – 15.11.2022**
Year & Group	**: I B.Sc.**

Brief Description:

Anitha Yarava, Lecturer in Computer Science, Department of Computer Science had conducted Bridge Course in the title "Basics in Computer fundamentals" for non-computer students. Totally 20 students were participated in this programme. The purpose of this program is to bridge the gap between computer and non-computer students. The students were interestedly attended the session and acquired basic knowledge about the components of computer and how to work with MS-Office. It aimed to provide a comprehensive introduction to fundamental computing concepts.

Topics Covered On Bridge Course:

Fundamentals of Computer Science:

Definition of a Computer, History of Computers, Generations of Computers, types of computer – based on size and working principle, Block diagram of a Computer with functional units(explanation), Parts of a computer system, Information processing Cycle – What is Hardware and Software – Hardware components with its uses – Software components with its uses.

Basic concept of MS – Office:

Introduction of MS-Office – MS-Word – MS-Excel – MS-PowerPoint – MS-Access – MS-Publisher – Important Features of MS-Words – Introduction to MS-PowerPoint – Features of MS-PowerPoint – Introduction to MS-Excel – Features of MS-Excel – AutoSum – List -AutoFill – AutoShapes toolbar – Drag and Drop – Charts – PivotTable – Shortcut Menus.

GOVERNMENT COLLEGE FOR MEN(A) :: KADAPA

DEPARTMENT OF COMPUTER SCIENCE

ACADEMIC YEAR 2021-2022

Name Of The Faculty: Anitha Yarava

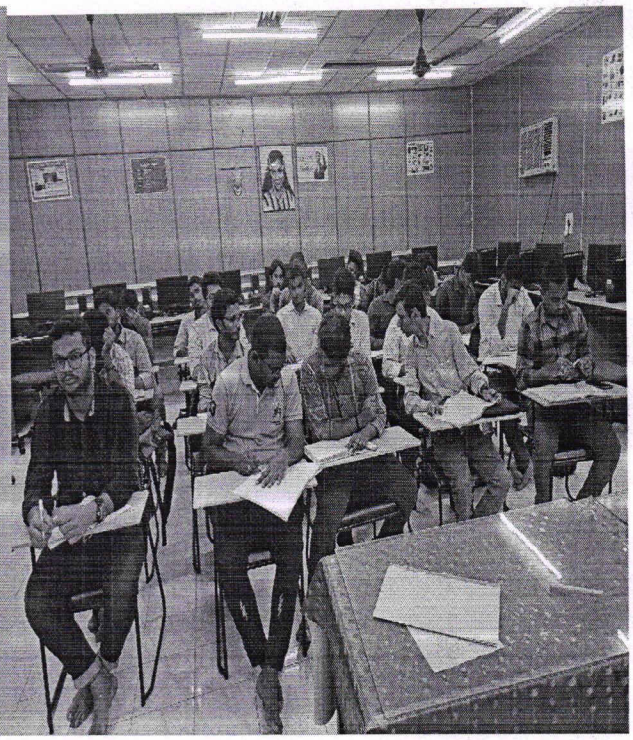
BRIDGE COURSE

DATE: 15.11.2022

S.NO	Hall Ticket No.	STUDENT NAME	GROUP	Signature
1	220043055001	BANDLAKUNTA NAGASIVA	MPCs	B. Naga Siva
2	220043055002	CHITTIBOYINA KRISHNAM RAJU	MPCs	C. Krishna Raju
3	220043055003	DANDIPOENA SIRVA	MPCs	
4	220043055004	GAGGUTURU RIYAZ	MPCs	
5	220043055005	GODLAVEETI GURRAPPA	MPCs	
6	220043055006	GODLAVEETI PAVAN KUMAR	MPCs	G. Pavan Kumar
7	220043055007	KANUPARTHI YOGENDRA	MPCs	K. Yogendra
8	220043055008	MELUPAKU MUNIVARDHAN	MPCs	M. Munivardhan
9	220043055009	NAGUR USMAN BASHA	MPCs	N. Usman Basha
10	220043055010	SHAIK MOHAMMED BASHA	MPCs	S. Mohamed Basha
11	220043055011	UDUTHA NAGANADHANAIK	MPCs	U. Naganadh NAIK
12	220043075001	KAMPA KARTHIK	MSCs	K. Karthik
13	220043075002	KOLA JAGADISH	MSCs	K. Jagadish
14	220043075003	KORNEPALLI GOVINDA RAJU	MSCs	K. Govinda Raju
15	220043075004	LINGAMPALLI	MSCs	L. Harshavardhan Reddy
16	220043075005	POTHURAJU VENKATA	MSCs	P. Venkat
17	220043075006	SIVADHANAM KARTHIK	MSCs	
18	220043075007	TANGUTURI DEVA SUBALAM	MSCs	
19	220043075008	VENNAPUSA BHARATH	MSCs	V. Bharath
20	220043135001	KOMMU SNEHITH	QPCs	Snehith K
21	220043135002	NIMMAGADDA DEVANANDAM	QPCs	N. Devanandam
22	220043135003	ORAMPADU VENKAT	QPCs	
23	220043135004	SANTYAGAPU SAMPATH KUMAR	QPCs	Sampath Reddy
24	220043135005	SWARNA PRADEEP	QPCs	S. Pradeep
25	220043135006	VAKAMALLA VENKATA SAI	QPCs	V. Venkata Sai

Lecturer Signature

LECTURER
Dept. of Computer Science
Government College for Men
Kadapa - 516004



Outcome Analysis

The Bridge Course in Computer Fundamentals successfully achieved its objective of providing foundational computer knowledge to new students, thereby better preparing them for their upcoming academic courses and ensures all students start their academic courses with a solid foundation.

Government College for Men:: Kadapa

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Andhra Pradesh-516004

Bridge Course Report AY: 2021-2022

Name of the Faculty	**: T MANOHAR REDDY**
Organizing Department	**: COMPUTER SCIENCE**
Title of the Activity	**: Bridge course on COMPUTER FUNDAMENTALS**
Date	**: 25/11/2021-30/11/2021**
Year & Group	**: MPCS, MSCS, MCCCS, MECS**

1. Executive Summary

- This report provides an overview of the Bridge Course on Computer Fundamentals, designed to equip new degree students with the necessary basic knowledge in computing. Over a period of three weeks, the course covered essential topics and resulted in significant improvement in students' foundational computer skills.

2. Introduction

- The Bridge Course was developed in response to a noticeable gap in basic computer skills among incoming students. It aimed to provide a comprehensive introduction to fundamental computing concepts, ensuring all students start their academic courses with a solid foundation.

3. Program Design

- ***Duration:*** Three weeks, with four 2-hour sessions per week.
- ***Content Covered:*** Introduction to computer systems, basic software applications (word processors, spreadsheets, presentation tools), internet navigation, and elementary programming concepts.
- ***Teaching Approach:*** Combination of lectures, hands-on computer lab sessions, and interactive group activities.

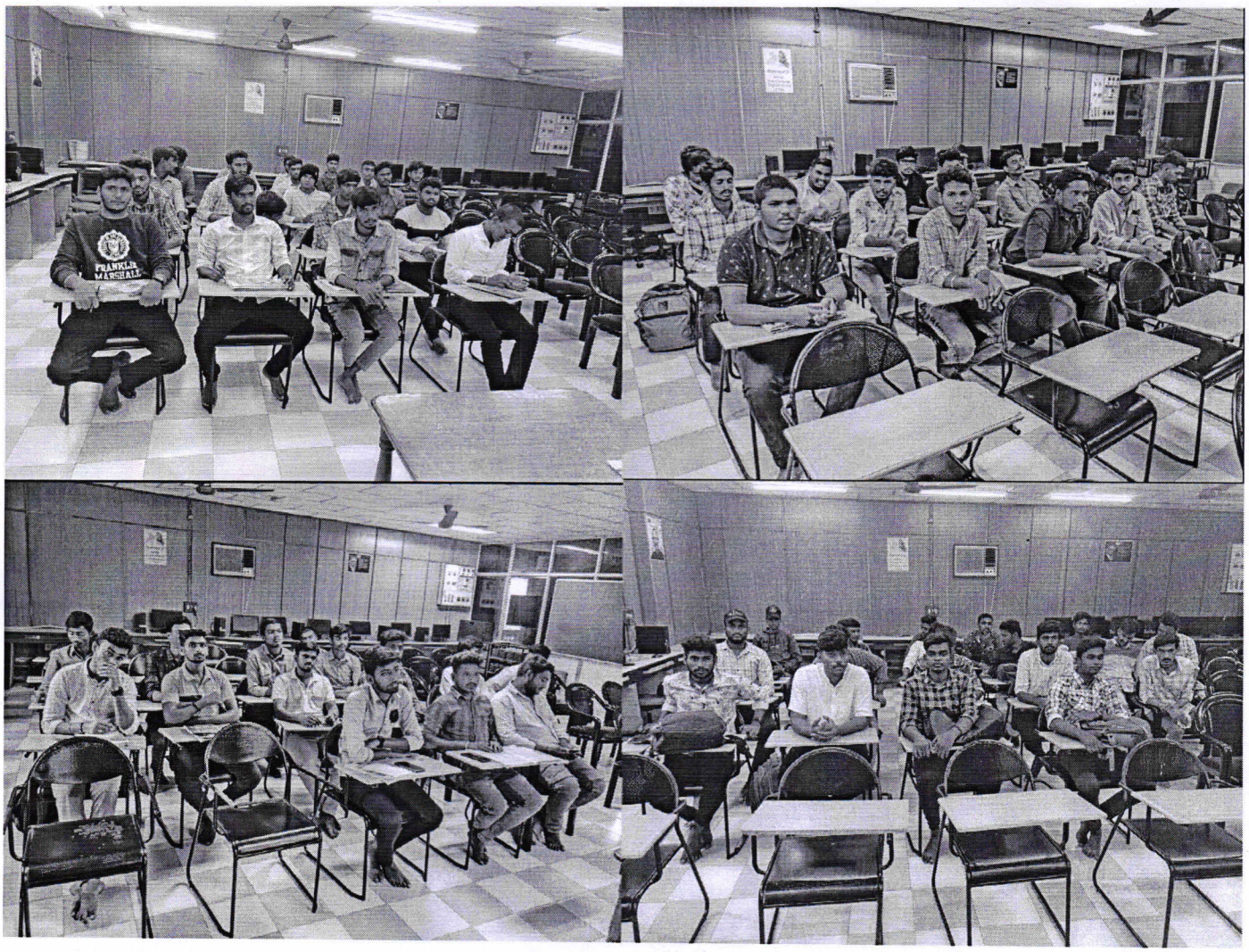
4. Participant Profile

- ***Participants:*** 23 incoming first-year Computer Science students from various academic backgrounds.

- ***Selection Criteria:*** Students with limited or no prior formal education in computer science.

5. Implementation

- The course was conducted both in-person and digital class learning environment to accommodate different learning preferences. Challenges such as varying learning paces were managed through personalized support and additional tutoring sessions.



6. Outcome Analysis

- The Bridge Course in Computer Fundamentals successfully achieved its objective of providing foundational computer knowledge to new students, thereby better preparing them for their upcoming academic courses.

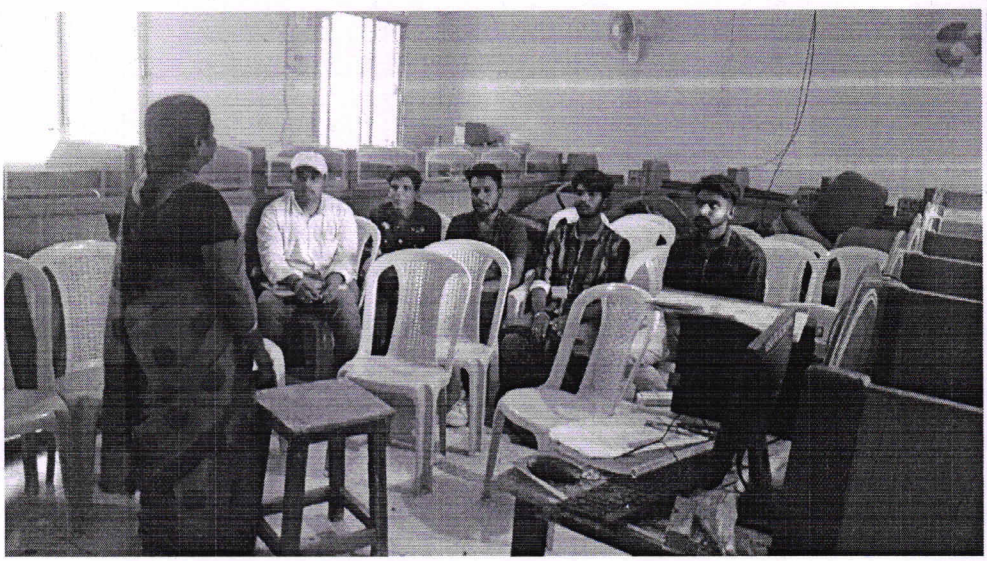
Government College for Men:: Kadapa

(NAAC Accredited at "B" Grade)
Andhra Pradesh-516004

Bridge Course Report

AY: 2021-2022

Name of the Faculty	**: B.RENUKA DEVI**
Organizing Department	**: COMPUTER SCIENCE**
Title of the Activity	**: Introduction to Basic Concepts of OOP**
Date	**: 08/07/2022**
Year & Group	**: II B.A (HECA)**



Brief Description:

- Bridge course is preparative course for college level course with an academic curriculum that is offered to enhance the knowledge of the students by means of preparing for the intellectual challenges of computer science subject and to know basic information about core subject.
- A bridge course may be taught to him so that he can have the basic knowledge of the course that will be taught to him.
- In this course students came to know about Basic Concepts of OOP.

Government College for Men (A)

Department of Computer Science

BRIDGE COURSE A.Y 2021-2022

Faculty Name: Smt .B.RENUKA DEVI

Course: II BA HECA

Sl. No	Regd.No	Student Name	Group	Signature
1	200041075004	DERANGULA CHIRANJEEVI	II BA HECA	D. Chiranjeevi
2	200041075007	JAMBARAPU ADITHYA	II BA HECA	J. Adithya
3	200041075009	KASHGIE IDRIS ALI KHAN	II BA HECA	Idris Ali Khan
4	200041075010	KATI GANDLA NIVASH	II BA HECA	K.G. Nivash
5	200041075020	SURABHI LAKSHMI NARASIMHA	II BA HECA	S. Lakshmi Narasimha
6				
7				
8				
9				
10				

B. Renuka

Signature of the Lecturer

Government College for Men:: Kadapa

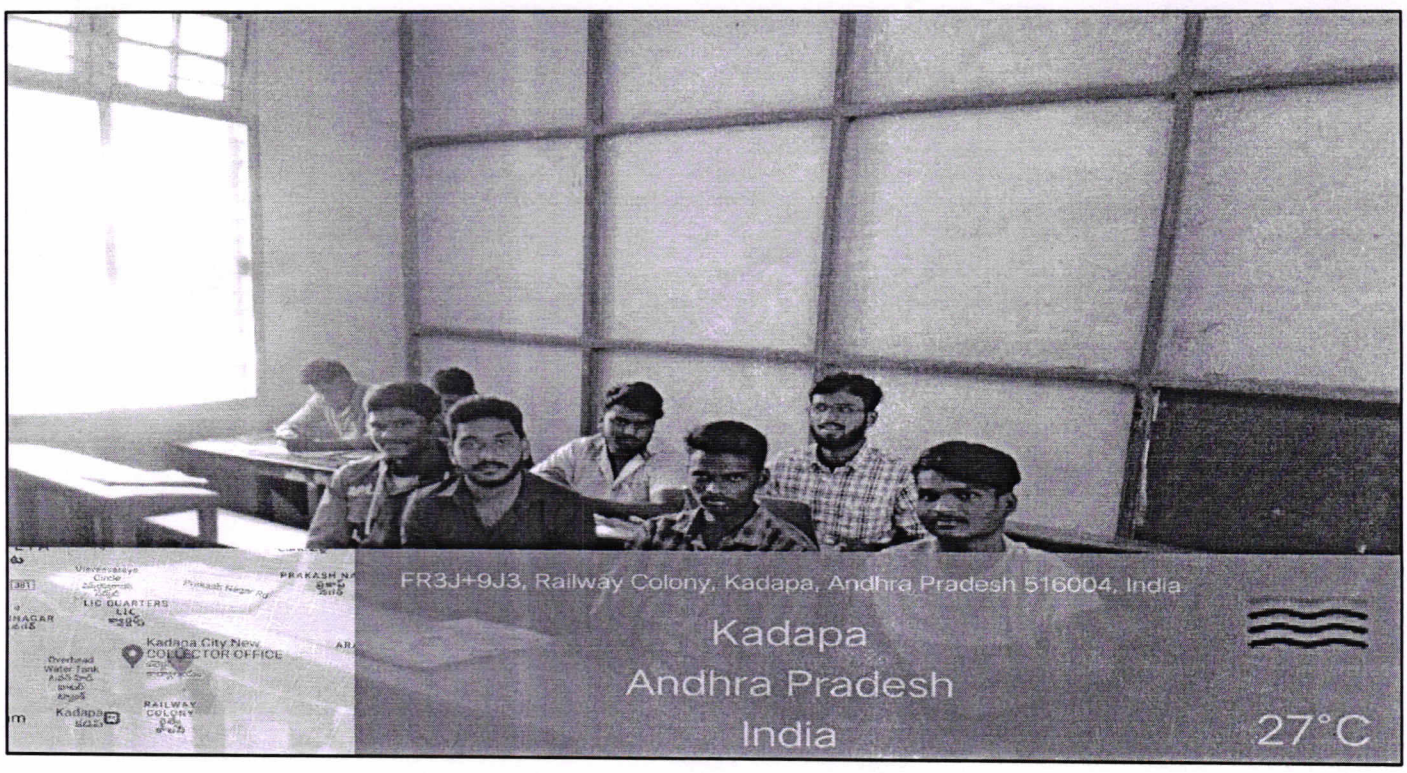
(NAAC Accredited at "B" Grade)

Andhra Pradesh-516004

Bridge Course Report

AY: 2021-2022

Name of the Faculty	**: M. GOVARDHAN**
Organizing Department	**: COMPUTER SCIENCE**
Title of the Activity	**: C Language Basics**
Date	**: 21/01/2022**
Year & Group	**: I B.Sc. [MCCCS]**



Brief Description:

- Bridge course is preparative course for college level course with an academic curriculum that is offered to enhance the knowledge of the students by means of preparing for the intellectual challenges of Computer Science subject and to know basic information about core subject.

GOVERNMENT COLLEGE FOR MEN(A), KADAPA

Department of Computer Science

Bridge Course for A.Y 2021-22

Name of Faculty: M.Govardhan

Group: I B.Sc. [MCCCs]

S.No	Roll Number	Name of Student	Group	Signature
1	210043125003	B. Ramachandra	B.Sc. [MCCCS]	B Ramachandra
2	210043125004	D. Mahesh	B.Sc. [MCCCS]	D. Mahesh
3	210043125005	K. Siva Prasad	B.Sc. [MCCCS]	K. Siva Prasad
4	210043125006	M. Dileep	B.Sc. [MCCCS]	M. Dileep
5	210043125007	M. Anil Kumar	B.Sc. [MCCCS]	M. Anil
6	210043125008	O. Vinod Kumar	B.Sc. [MCCCS]	Vinod Kumar. O
7	210043125009	R. Homa Charan	B.Sc. [MCCCS]	R. Homacharan
8	210043125010	R. Lakshman	B.Sc. [MCCCS]	R. Lakshman
9	210043125011	R .Madhan	B.Sc. [MCCCS]	R. Madhan
10	210043125012	R. R. Mohan Reddy	B.Sc. [MCCCS]	R. Mohan Reddy
11	210043125014	S. Naga Teja	B.Sc. [MCCCS]	S. Naga Teja
12	210043125016	S. Firdose	B.Sc. [MCCCS]	S. Firdose
13	210043125017	S. Muskin valli	B.Sc. [MCCCS]	S. Muskin Valli
14	210043125018	V. Jaya Bharath Reddy	B.Sc. [MCCCS]	V. Bharath Reddy

Outcome:

- The Bridge Course for MCCCs students focused on teaching key programming skills such as variables, loops, functions, and arrays. Students learned through practical exercises and interactive sessions, improving their understanding of coding and problem-solving. Despite some students having different levels of prior knowledge, personalized support helped everyone grasp the concepts. Students appreciated the structured learning approach and found the course beneficial.

M. Govardhan

Signature of the Faculty

Government College for Men:: Kadapa

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Andhra Pradesh-516004

Bridge Course Report

AY: 2021-2022

Name of the Faculty : M. GOVARDHAN

Organizing Department : COMPUTER SCIENCE

Title of the Activity : Internet Basics

Date : 27/04/2022

Year & Group : II B.A. [HECA]

Brief Description:

- Bridge course is preparative course for college level course with an academic curriculum that is offered to enhance the knowledge of the students by means of preparing for the intellectual challenges of Computer Science subject and to know basic information about core subject.

GOVERNMENT COLLEGE FOR MEN(A), KADAPA

Department of Computer Science

Bridge Course for A.Y 2021-22

Name of Faculty: M.Govardhan

Group: IIB.A. [HECA]

S.No	Roll Number	Name of Student	Group	Signature
1	200041075001	BALA SASIDHAR	B.A (H.E.CA)	B. Sasidhar
2	200041075002	BALIPOGU SAI	B.A (H.E.CA)	B. Sai
3	200041075003	BANAVANTH KALYAN NAIK	B.A (H.E.CA)	B. Kalyan nak
4	200041075004	DERANGULA CHIRANJEEVI	B.A (H.E.CA)	D. Chiranjeevi
5	200041075005	GALI REDDAIAH	B.A (H.E.CA)	Gr. Reddaiah
6	200041075006	GOLLAPALLI MANOHAR	B.A (H.E.CA)	G. MANOHAR
7	200041075007	JAMBARAPU ADITHYA	B.A (H.E.CA)	J. Adithya
8	200041075009	KASHGIE IDRIS ALI KHAN	B.A (H.E.CA)	K. Idris Ali Khan
9	200041075010	KATI GANDLA NIVASH	B.A (H.E.CA)	K.G
10	200041075013	MUNDLA PAVAN	B.A (H.E.CA)	M. Pavan.
11	200041075014	NAKKALA NAVEEN	B.A (H.E.CA)	N. Naveen
12	200041075015	PEDDAPATI VENKATESH	B.A (H.E.CA)	P. venkatesh
13	200041075016	S. NITEESH KUMAR REDDY	B.A (H.E.CA)	S. Niteesh
14	200041075017	SHAIK ISMAIL	B.A (H.E.CA)	S. Ismail
15	200041075018	S KASI VISWANATH	B.A (H.E.CA)	S. Kasi Viswanath
16	200041075019	SINGANAMALA BALAJI	B.A (H.E.CA)	S. Balaji
17	200041075020	S LAKSHMI NARASHIMHA	B.A (H.E.CA)	S. Narasimha
18	200041075021	T VEERA PRASANTH	B.A (H.E.CA)	T. Veera Prasanth
19	200041075022	V NAGESWARA REDDY	B.A (H.E.CA)	V. Nageswara Reddy
20	200041075023	YANNAM SUKUMAR	B.A (H.E.CA)	Y. Sukumar

Outcome:

- The Bridge Course on Internet Basics for BA (HECA) students aimed to enhance their understanding of essential online tools and resources. Covering topics such as web browsing, email usage, online safety, and effective search strategies, the course provided practical knowledge applicable to academic and professional settings. Interactive sessions and hands-on activities enabled students to gain proficiency in navigating the internet securely and efficiently. Feedback highlighted improved confidence and readiness to utilize online resources effectively.

M.G

Signature of the Faculty

Government College for Men:: Kadapa

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Andhra Pradesh-516004

Bridge Course Report AY: 2022-2023

Name of the Faculty	**: T MANOHAR REDDY**
Organizing Department	**: COMPUTER SCIENCE**
Title of the Activity	**: Bridge course on COMPUTER FUNDAMENTALS**
Date	**: 15/11/2022**
Year & Group	**: MPCS, MSCS,MCCCS,GPCS**

1. Executive Summary

- This report provides an overview of the Bridge Course on Computer Fundamentals, designed to equip new degree students with the necessary basic knowledge in computing. Over a period of three weeks, the course covered essential topics and resulted in significant improvement in students' foundational computer skills.

2. Introduction

- The Bridge Course was developed in response to a noticeable gap in basic computer skills among incoming students. It aimed to provide a comprehensive introduction to fundamental computing concepts, ensuring all students start their academic courses with a solid foundation.

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- ***Duration:*** Three weeks, with four 2-hour sessions per week.
- ***Content Covered:*** Introduction to computer systems, basic software applications (word processors, spreadsheets, presentation tools), internet navigation, and elementary programming concepts.
- ***Teaching Approach:*** Combination of lectures, hands-on computer lab sessions, and interactive group activities.

4. Participant Profile

- ***Participants:*** 23 incoming first-year Computer Science students from various academic backgrounds.

- ***Selection Criteria:*** Students with limited or no prior formal education in computer science.

Government College for Men (A)

Department of Computer Science

BRIDGE COURSE A.Y. 2022-2023

Faculty Name: Sri T. MANOHAR REDDY

Course: BSc

S.No	Regd.No	Name of the Candidate	Group	Signature
1	220043135005	K. Lathessh	MCCS	K. Lathessh
2	220043125015	T. Nazeer	MCCS	T. Nazeer
3	220043125016	Venkata vara prasad	MCCS	Y.V.V.prasad
4	220043125014	S. Mohammad Faizan	MCCS	S. Faizan
5	220043055008	M. Muni vardhan.	MPCS	M. Muni vardhan.
6	220043055006	G. Raveen Kumar	M.P.C.S	G
7	220043075004	C. Harsha vardhan kumar	M.S.C.S	C. Harshavardhan Kumar
8	220043075002	K. Jagadish	M.S.C.S	K. Jagadish
9	220043125003	C. Deva	MCCS	C. Deva
10	220043125011	S. Salomon	MCCS	S. Salomon
11	220043125005	M. Prabel	MCCS	M. Prabel
12	220043135005	S. Pradeep	GPCS	S. Pradeep
13	220043135002	N. Devanandam	GPCS	N. Devanandam.
14	220043135001	K. Snehith	GPCS	K. Snehith
15	220043125012	S. Md. Shoaib	MCCS	Shoaib
16	220043135004	Sampath Reddy	GPCS	Sampath.
17	220043135006	V. Venkata Sai	GPCS	Venkata Sai
18	220043125006	M. Mujeeb Ali Khan	MCCCS	
19	220043125010	P. Balaji	MCCS	P. Balaji
20	220043055009	N. Usman Basha	M.P.C.S	Usman Basha. N.
21	220043075003	K. Govindaraju	M.S.C.S	
22	220043055011	U. Nagaraju Naik	MPCS	U. Nagaraju Naik
23	220043055010	S. Mohammed Basha	MPCS	S. Mohammed Basha
24	220043125014	S. Mohammed Faizan	MCCCS	S. MD. Faizan
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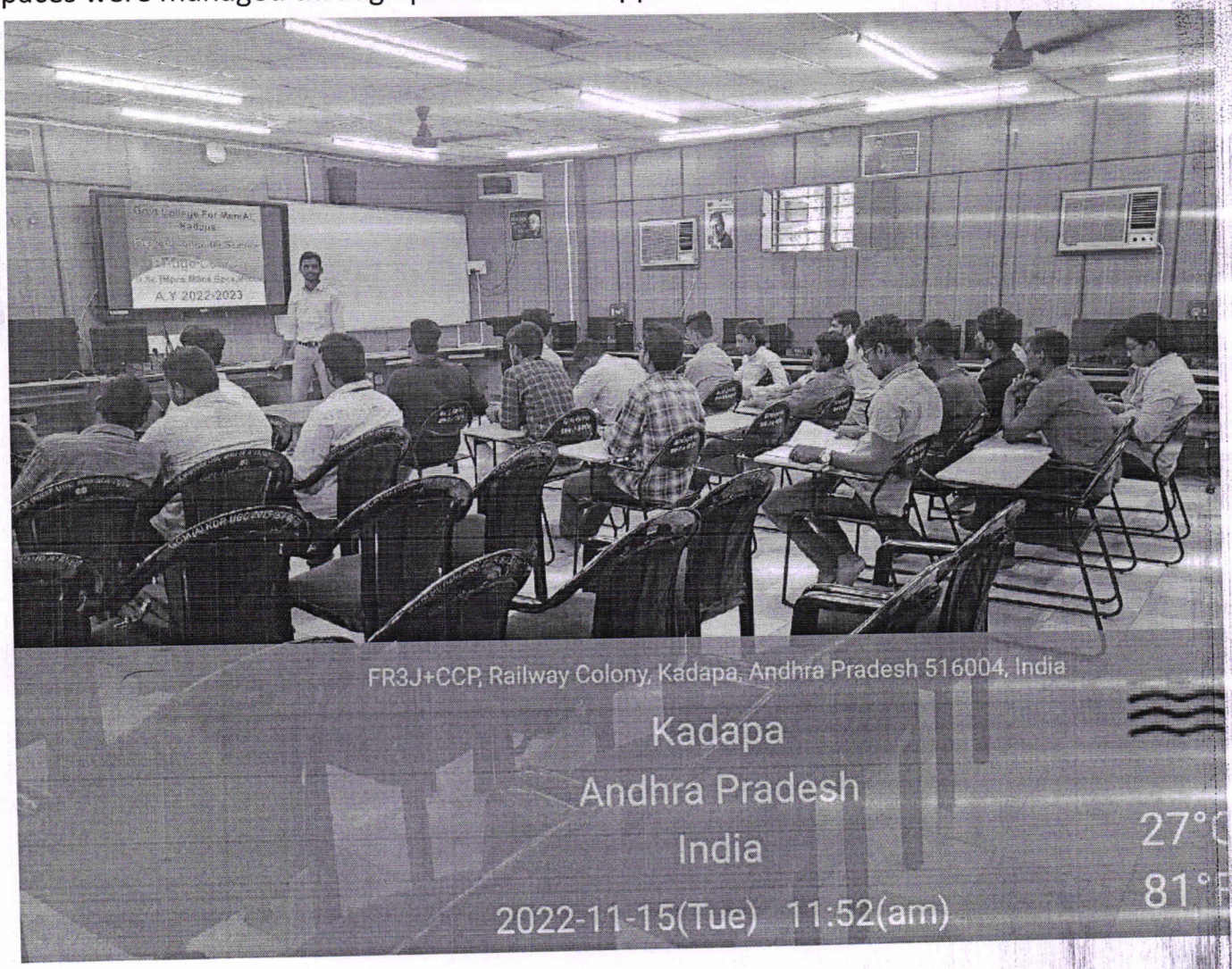
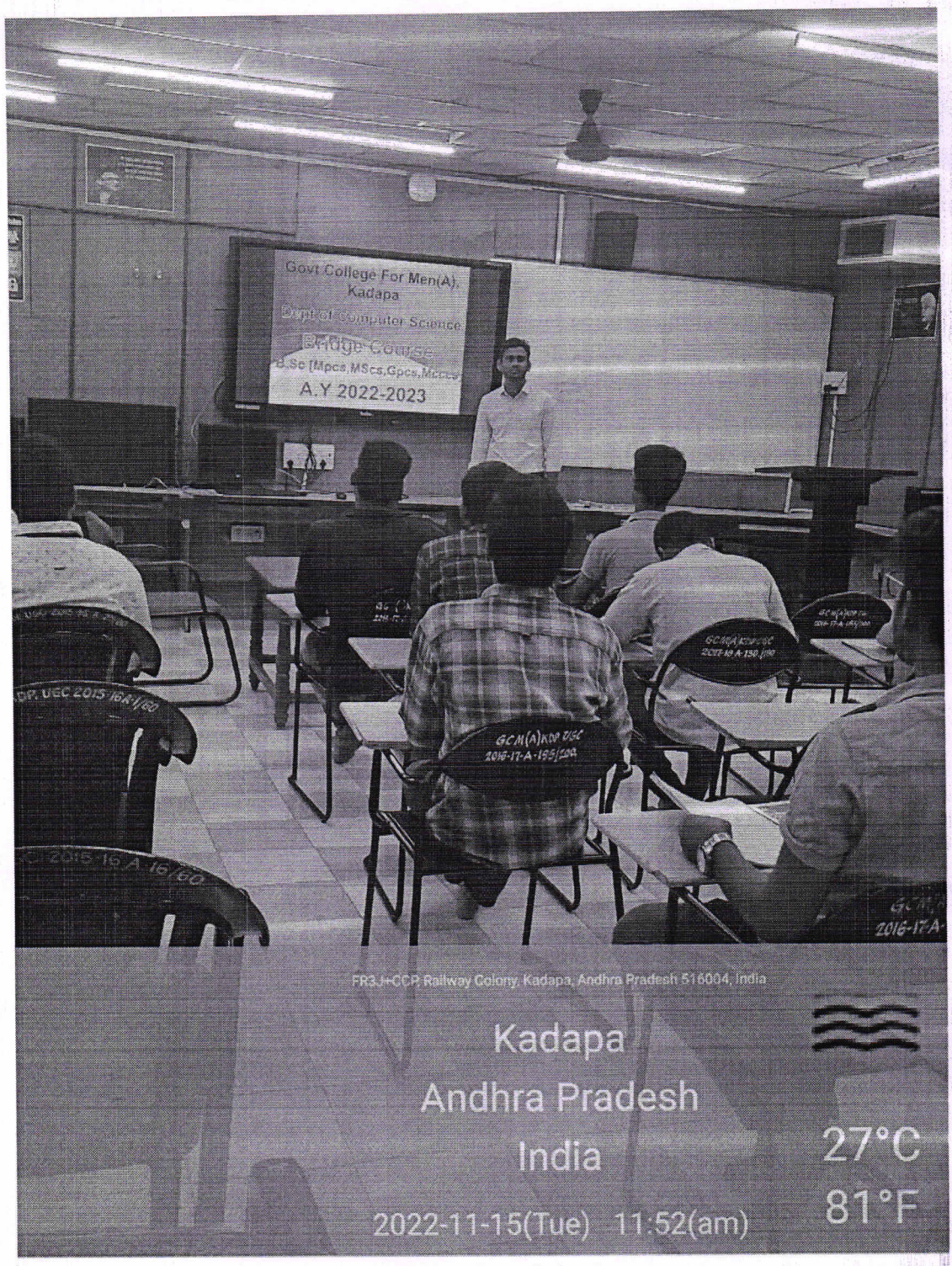
Signature of the Lecturer

LECTURER
Dept. of Computer Science
Government College for Men
Kadapa - 516004

5. Implementation

- The course was conducted both in-person and digital class learning environment to accommodate different learning preferences. Challenges such as varying learning paces were managed through personalized support and additional tutoring sessions.





6. Outcome Analysis

- The Bridge Course in Computer Fundamentals successfully achieved its objective of providing foundational computer knowledge to new students, thereby better preparing them for their upcoming academic courses.

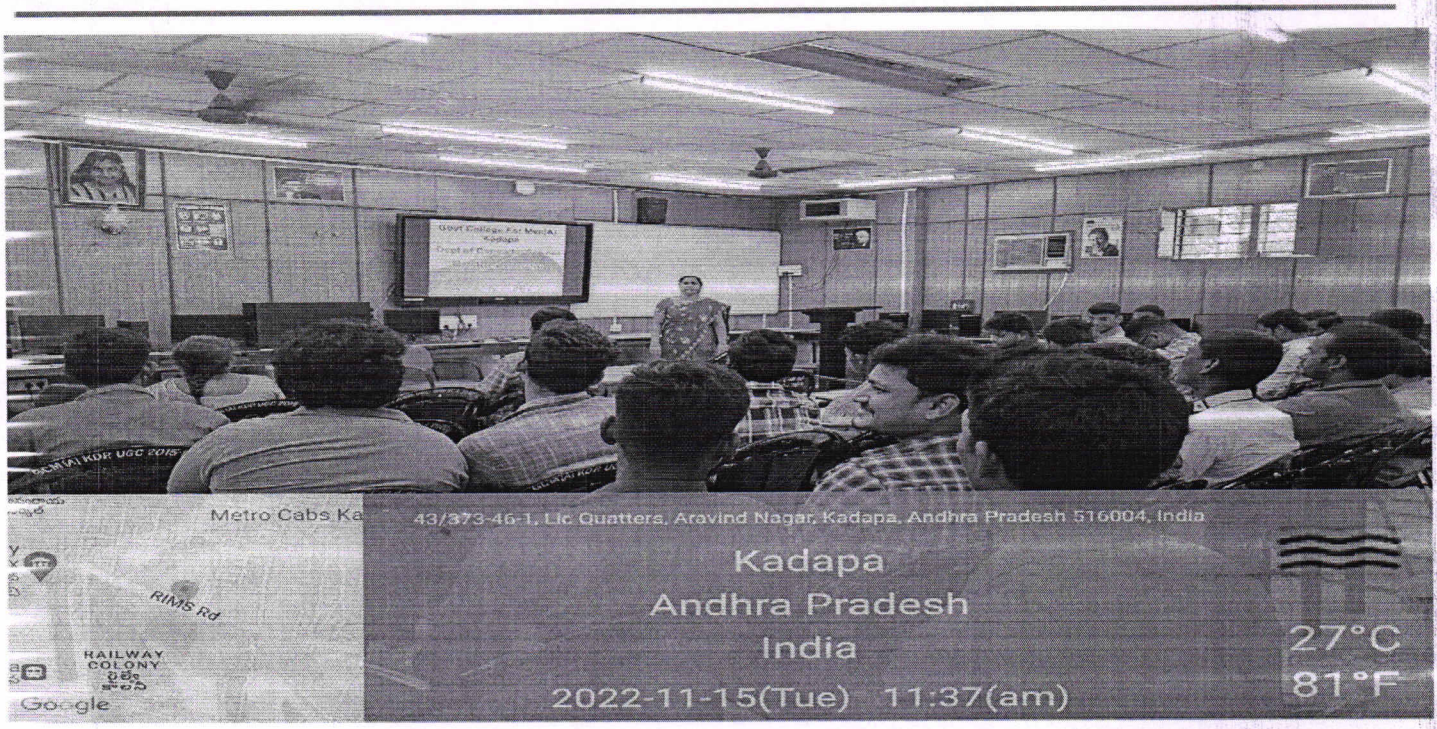
Government College for Men:: Kadapa

(NAAC Accredited at "B" Grade)

Andhra Pradesh-516004

Bridge Course Report AY: 2022-2023

Name of the Faculty	**: ANITHA YARAVA**
Organizing Department	**: COMPUTER SCIENCE**
Title of the Activity	**: Introduction to Computer System**
Date	**: 15/11/2022**
Year & Group	**: II B.Sc (M.P.Cs, G.P.Cs, M.SCs, M.CCCs)**



Brief Description:

- Bridge course is preparative course for college level course with an academic curriculum that is offered to enhance the knowledge of the students by means of preparing for the intellectual challenges of computer science subject and to know basic information about core subject.
- A bridge course may be taught to him so that he can have the basic knowledge of the course that will be taught to him.
- In this course students came to know about the parts of the computer, how to operate the computer.

Website: www.gcmkadapa.ac.in

Government College for Men (A)

Department of Computer Science

BRIDGE COURSE A.Y 2022-2023

Faculty Name: Smt. Y. ANITHA

Course: BSc

S.No	Regd.No	Name of the Candidate	Group	Signature
1	22004312S005	K. Tatheesh	MCCCS	K. Tatheesh.
2	22004312S015	T. Nazeer	MCCCS	T. Nazeer.
3	22004312S016	Y. Venkata vara prasad	MCCCS	Y. V. V. Prasad
4	22004312S009	N. Mohammad Tahsin	MCCCS	N. Tahsin
5	22004305S008	M. Muniwardhan.	M.P.CS	
6	22004305S006	G. Paran kumar	M.P.CS	
7	22004307S004	C. Harshavardan kumar	M.SCS	C. Harsha vardan kumar
8	22004307S002	K. Jagadish	M.S.C.S	K. Jagadish
9	22004312S003	C. Devakumar	MCCCS	C. Devakumar.
10	22004312S011	S. Salomon	MCCCS	S. Salomon
11	22004312S008	M. Prasad	MCCCS	M Prasad
11	22004313S001	K. Snehith	GPCS	Snehith. K
12	22004313S002	N. Devanandam	G.P.C.S	N. Devanandam
13	22004312S010	P. Balaji	MCCCS	P. Balaji
14	22004312S006	M. Mubeeb Ali Khan	"	
15	22004312S012	S. Md. S. Shoaib	MCCCS	S Md Shoaib
16	22004313S004	Sai Surya Reddy	GPCS	Sai Surya Reddy
17	22004313S003	V. Venkata sai	CAPCS	V. Venkata sai
18	22004313S005	S. Pradeep	GPCS	S Pradeep
19	22004305S009	N. Usman Basha	M.P.CS	Usman Basha. N.
20	22004307S003	K. Govinda Raju	M.S.C.S	
21	22004305S011	U. Nagaradha Naik	MPCS	U. Nagaradha Naik
22	22004305S010	S. Mohammed Basha	MPCS	S. Mohammed Basha
23	22004312S014	S. Mohammed faizan	MCCCS	S. md - faizan
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Signature of the lecturer

LECTURER

Dept. of Computer Science

Government College for Men

Kadapa - 516004

Outcome Analysis

- The Bridge Course in Computer Fundamentals successfully achieved its objective of providing foundational computer knowledge to new students, thereby better preparing them for their upcoming academic courses.

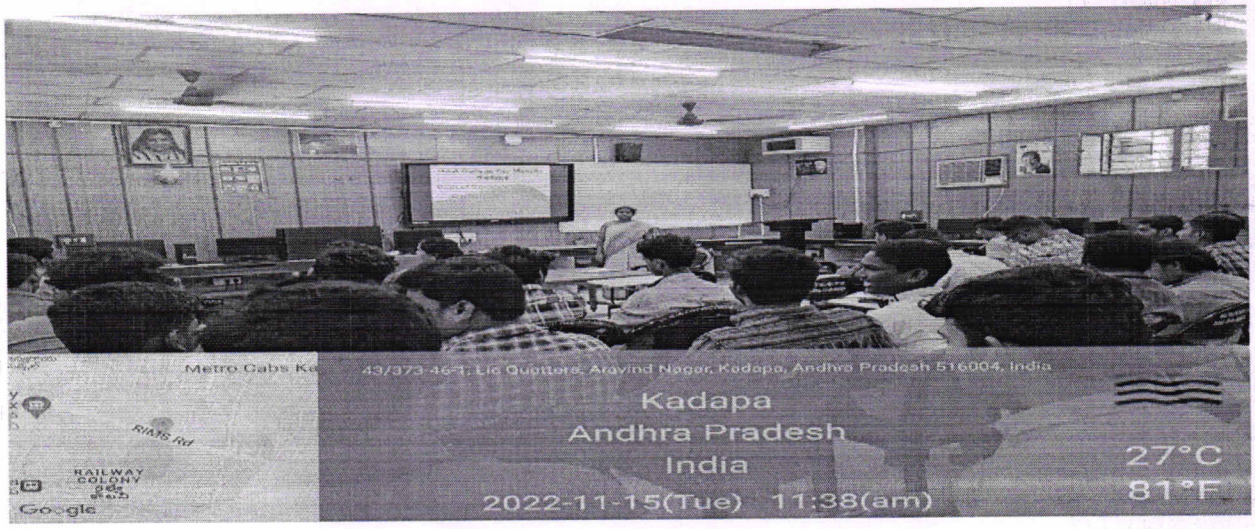
Government College for Men:: Kadapa

(NAAC Accredited at "B" Grade)

Andhra Pradesh-516004

Bridge Course Report AY: 2022-2023

Name of the Faculty	**: B.RENUKA DEVI**
Organizing Department	**: COMPUTER SCIENCE**
Title of the Activity	**: Input and Output Devices**
Date	**: 15/11/2022**
Year & Group	**: I B.Sc (M.P.CS, G.P.CS, M.S.CS, M.CC.CS)**



Brief Description:

- Bridge course is preparative course for college level course with an academic curriculum that is offered to enhance the knowledge of the students by means of preparing for the intellectual challenges of computer science subject and to know basic information about core subject.
- A bridge course may be taught to him so that he can have the basic knowledge of the course that will be taught to him.
- In this course students came to know about the parts of the computer, how to operate the computer.

Government College for Men (A)

Department of Computer Science

BRIDGE COURSE A.Y 2022-2023

Faculty Name: Smt. B.RENUKA DEVI

Course: BSc

S.No	Regd.No	Name of the Candidate	Group	Signature
1	220043125005	K. Fatheesh	MCCCS	K. Fatheesh
2	220043125015	T. Nazeer	MCCS	T. Nazeer
3	220043125016	Y. Venkata Vara prasad	MCCCS	Y.V.V. prasad
4	220043125009	D. Mahammad Hussain	MCCS	D. Hussain
5	220043055008	H. Muni Vardhan	M.P.CS	
6	220042055006	G. Pawan Kumar	M.P.CS	
7	220043075004	C. Harshavardhan kumar	M.S.CS	C. Harshavardhan
8	220043075002	K. Jagadish	M.SCS	K. Jagadish
9	220043125003	C. Jaya Kumar	MCCS	C. Jaya Kumar
10	220043125011	S. Salomon	MCCCS	S. Salomon
11	220043125008	M. Venkata Prasad	MCCCS	M Prasad
12	220043135005	S. Paleeq P	GPCS	S. Paleeq P
13	220043135001	K. Snehith	GPCS	Snehith
14	220043125012	S. Md. S. Shoaib	MCCS	Shoaib
15	220043135004	Sampath Reddy	GPCS	Sampath
16	220043135006	V. Venkata Sai	GPCS	V Venkata Sai
17	220043135002	N. Devanandam	GPCS	N Devanandam
18	220043125006	M. Mujeeb Ali Khan	MCCCS	
19	220043125010	P. Balaji	MCCS	P. Balaji
20	220043055009	N. Usman Basha	M.P.CS	Usman Basha N.
21	220043075003	K. Govinda Raju	M.S.CS	
22	220043055011	U. Nagendra Naik	MPCS	U. Nagendra Naik
23	220043055010	S. Mohammed Basha	MPCS	S. Mohammed Basha
24	220043125014	S. Mohammed Faizan	MCCCS	S. Md. Faizan
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B. Renuka D

Signature of the lecturer

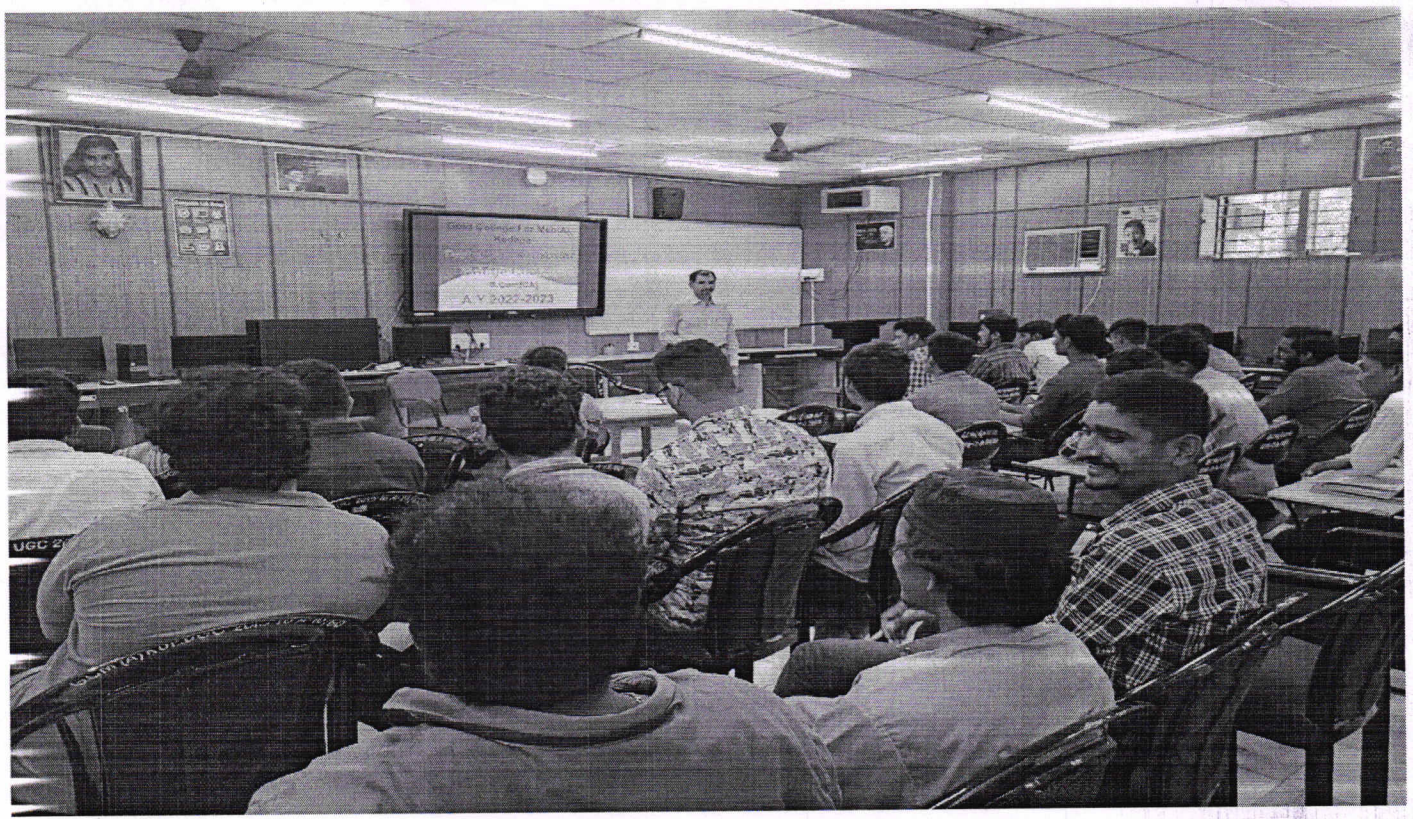
Government College for Men:: Kadapa

(NAAC Accredited at "B" Grade)

Andhra Pradesh-516004

Bridge Course Report AY: 2022-2023

Name of the Faculty	**: K H Sampathkumar Raju**
Organizing Department	**: COMPUTER SCIENCE/COMPUTER APPLICATIONS**
Title of the Activity	**: COMPUTER FUNDAMENTALS**
Date	**: 23/11/2022**
Year & Group	**: I B.Com (CA)**



Brief Description:

- Bridge course is preparative course for college level course with an academic curriculum that is offered to enhance the knowledge of the students by means of preparing for the intellectual challenges of Computer Science / Applications subject and to know basic information about core subject.
- A bridge course may be taught to him so that he can have the basic knowledge of the course that will be taught to him.
- In this course students came to know about the computer basics.

Government College for Men (A)

Department of Computer Science

BRIDGE COURSE A.Y 2022-2023

Faculty Name: Sri. K.H. SAMPATH KUMAR RAJU

Course: BCom(CA)

S.No	Regd.No	Name of the Candidate	Group	Signature
1	220042025017	K. Sathish	B.com C.A	K. Sathish
2	220042025039	P. Ashok	B.com CA	P. Ashok
3	220042025013	H. Saleem Raju	B. Com CA	H. Saleem Raju
4	220042025011	D. Chenna Krishna	B.com CA	D. Chenna Krishna
5	220042025031	M. Suresh	B.com CA	M. Suresh
6	220042025026	M. Chinmaya Venkata Sai	B. COM CA	M. Chinmaya Venkata Sai
7	220042025046	S. Noorjahan	B.com CA	S. Noorjahan
8	220042025006	B. venkata Jyothi	B.com CA	B. V. Jyothi
9	220042025025	H. PURUSHOTTAM	B.com C.A	H. Purushottam
10	220042025030	M. Anil	B.com CA	M. Anil
11	220042025042	R. venkata Sai	B.com CA	R. venkata Sai
12	220042025030	M. Anil	B.com CA	M. Anil
13	220042025035	N. S M. Khalidh	B.com CA	N. S M. Khalidh
14	220042025027	M. S Aimah	B.com C.A	M. Saiman
15	220042025032	M. Sagar	B.com CA	M. Sagar
16	220042025008	B. Prakash	B.com.CA	B. prakash
17	220042025010	C. Hari prasad	B.Com.C.A	C. Hari prasad
18	220042025040	P. Vijay Kumar	B.Com C.A	P. Vijay Kumar
19	220042025022	L. NAGENDRA	B.com C.A	L. Nagendra
20	220042025049	Syed Heena	Bcom C.A	Syed Heena
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SK Raju

Signature of the lecturer

Outcome Analysis

- The Bridge Course in Computer Fundamentals successfully achieved its objective of providing foundational computer knowledge to new students, thereby better preparing them for their upcoming academic courses.

Government College for Men:: Kadapa

(NAAC Accredited at "B" Grade)

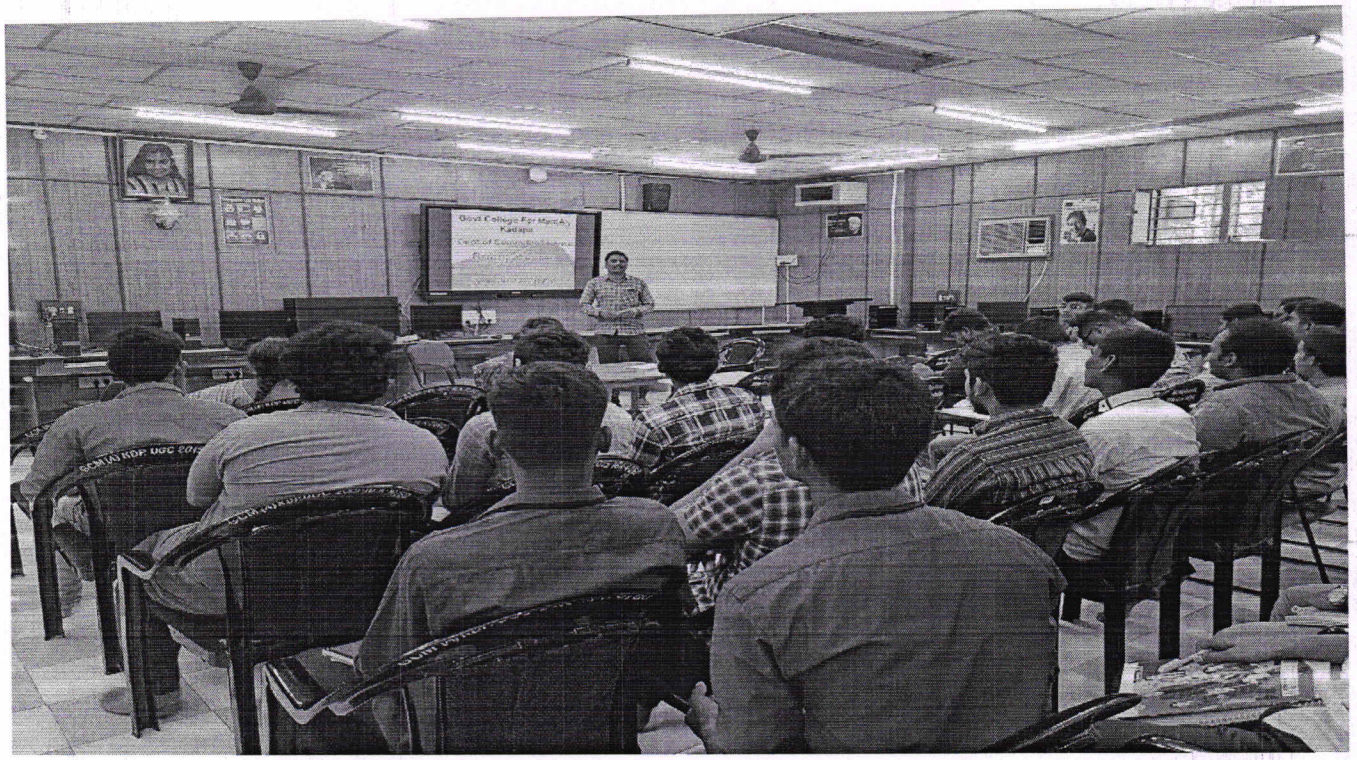
Andhra Pradesh-516004

Department of Computer Science

Bridge Course Report

AY: 2022-2023

Name of the Faculty	**: M. Govardhan**
Organizing Department	**: Computer Science**
Title of the Activity	**: Introduction to Operating System**
Date	**: 14/11/2022**
Year & Group	**: II B.Sc. (M.P.Cs, G.P.Cs, M.SCs, M.CCCs)**



Brief Description:

- The Bridge Course helps computer students by teaching important computer basics and skills. It makes learning easier and prepares them for more advanced topics. It's like a friendly guide, showing them how to solve problems and work together.
- The course also helps them get used to the new challenges of studies. It's like a warm-up before a big game, making sure they feel confident and ready for success in their computer science degree.
- In this course students came to know about the Operating System Software, and how the Software will operate the computer.

Government College for Men (A)

Department of Computer Science

BRIDGE COURSE A.Y 2022-2023

Faculty Name: Sri. M.GOVARDHAN

Course: BSc

S.No	Regd.No	Name of the Candidate	Group	Signature
1	220043125005	K. Hatheesh	MCCCS	K. Hatheesh
2	220043125015	T. Nazeer	MCCCS	T. Nazeer
3	220043125016	Y. Venkata Vara prasad	MCCCS	Y.V.V. prasad.
4	220043125009	Mohammad Hussain	MCCCS	M. Hussain
5	220043055008	M. Muni vardhan.	M.P.CS	
6	220043055006	G. Pavan Kumar	M.P.CS	
7	220043075004	L. Harshavardan kumar	M.S.CS	L. Harshvardhan
8	220043075002	K. Jagadish	M.S.CS	K. Jagadish
9	220043125003	C. Diwa kumar	MCCCS	C. Diwakumar.
10	220043125011	S. Salomon	MCCCS	S. Salomon
11	220043125008	M. Yoga Prasad	MCCS	M. Yoga
11	220043135005	S. Pradeep	GPCS	S. Pradeep
12	220043135001	K. Snehith	GPCS	K. Snehith
13	220043135002	N. Devanandam	GPCS	N. Devanandam
14	220043125012	SMd. Shoaib	MCCS	Shoaib
15	220043135004	Sowpeti Reddy	GPCS	Sowpeti Reddy
16	220043135006	V. venkata sai	GPCS	venkata sai
17	220043125006	M. Mujeeb Ali Khan	MCCCS	
18	220043125010	P. Balaji	MCCS	P. Balaji
19	220043055009	N. Usman Basha	M.P.CS	Usman Basha. N.
20	220043075003	V. Govinda Raju	M.S.CS	
21	220043055011	U. Nagaradha Naik	MPCS	U. Nagaradha Naik
22	220043055010	S. Mohammed Basha	MPCS	S. Mohammed Basha.
23	220043125014	S. mohammed faiyaz	MCCCS	S. md. faiyaz
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M. Govardhan

Signature of the ~~lecturer~~

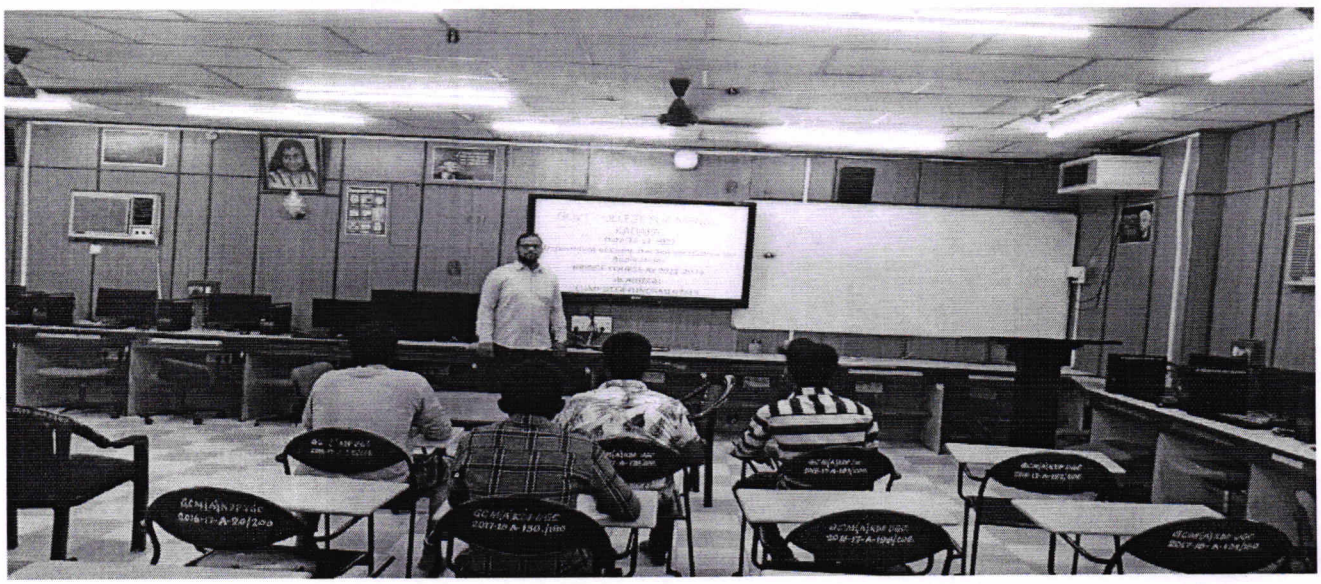
Government College for Men:: Kadapa

(NAAC Accredited at "B" Grade)
Andhra Pradesh-516004

Bridge Course Report

AY: 2022-2023

Name of the Faculty	**: M.MAHABOOB SUBHANI**
Organizing Department	**: COMPUTER SCIENCE/COMPUTER APPLICATIONS**
Title of the Activity	**: COMPUTER FUNDAMENTALS**
Date	**: 22/11/2022**
Year & Group	**: I B.A (HECA)**



Brief Description:

- Bridge course is preparative course for college level course with an academic curriculum that is offered to enhance the knowledge of the students by means of preparing for the intellectual challenges of computer science subject and to know basic information about core subject.
- A bridge course may be taught to him so that he can have the basic knowledge of the course that will be taught to him.
- In this course students came to know about the computer fundamentals

Website: www.gcmkadapa.ac.in

M. M. C

Signature of the Lecturer

that is offered to enhance the knowledge of the students by means of preparing for the

GOVERNMENT COLLEGE FOR MEN (A)

(NAAC Accredited with B Grade)

YSR KADAPA (Dist.)

BRIDGE COURSE

2021-2022

DEPARTMENT OF BOTANY

About the Bridge course

Course duration	7 days
Course dates	22-11-2021 to 29-11-2021
Place	Botany Lab-28
Course organizer	N.Rajasekhar Reddy, In-charge of the department
Course teachers	Dr.M.V.Suresh Babu, P.V.Krishna Reddy. Dr.K.Ramesh and P.Sivaramakrishna
Course for class	B.Sc (BZC), BioBC, B.C.H First semester students

Preface:

As the Andhra Pradesh government has introduced only English as the medium of instruction at the degree level, it is difficult for the students who come from Telugu medium backgrounds to adapt to the English medium. Hence, a bridge course is essential for such students to become acclimated to the English medium.

This bridge course is aimed at helping the learner adapt to the English medium of instruction and also upgrade their basic knowledge and understanding of the subject.

Objectives of the bridge course:

- In order to fill the gap between the courses they learnt in intermediate and the topics they will study in graduation.
- To make the telugu medium background student adopt the English medium of instruction by explaining the important terminologies.
- To bridge the gap between the courses contents of syllabi in intermediate Botany and the graduation botany syllabus of the Vikrama Simhapuri University.
- To build up students' foundation in the fundamentals and concepts of botany and to provide the students admitted to the UG course with basic fundamentals in botany at a minimum intermediate level.

- ❖ To provide learners with the confidence they need to adjust to college and the new curriculum with ease.

Syllabus

1. A general introduction about the Programme Structure (B.Sc. BZC), Mark distribution, and Scheme of theory and practical examinations. Career prospectus in the field of Botany. **(1 hour)**
2. Basic terminology in Botany -Telugu to English **(1 hour).**
3. Five kingdom classification and concept of three domains system **(1 hour)**
4. Introduction to the basic structure of cell: Difference between Prokaryotic and Eukaryotic cells, Plant cell and Animal cell differences. **(1 hour)**
5. Plant Morphology in brief **(1 hour)**
6. Plant Anatomy **(1 hour)**
7. Reproduction in plants **(1 hour)**

Schedule:

S.No	Date	Topic	Course Teacher
1.	22-11-2021	**General Introduction**	N.Rajasekhar Reddy
2.	23-11-2021	**Basic Terminology in Botany**	Dr.M.V.Suresh Babu
3.	24-11-2021	Five kingdom classification and consept of three domains system	Dr.P.V.Krishna Reddy
4.	25-11-2021	Cell structure, Prokaryotic and Eukaryotic, Plant cell and Animal Cell	Dr.K.Ramesh
5	26-11-2021	Plant Morphology in brief	P.Sivaramakrishna
6.	27-11-2021	Plant Anatomy	Dr.M.V.Suresh Babu
7.	29-11-2021	Reproduction in plants	P.Sivaramakrishna

Outcomes:

After completion of this course student will able to

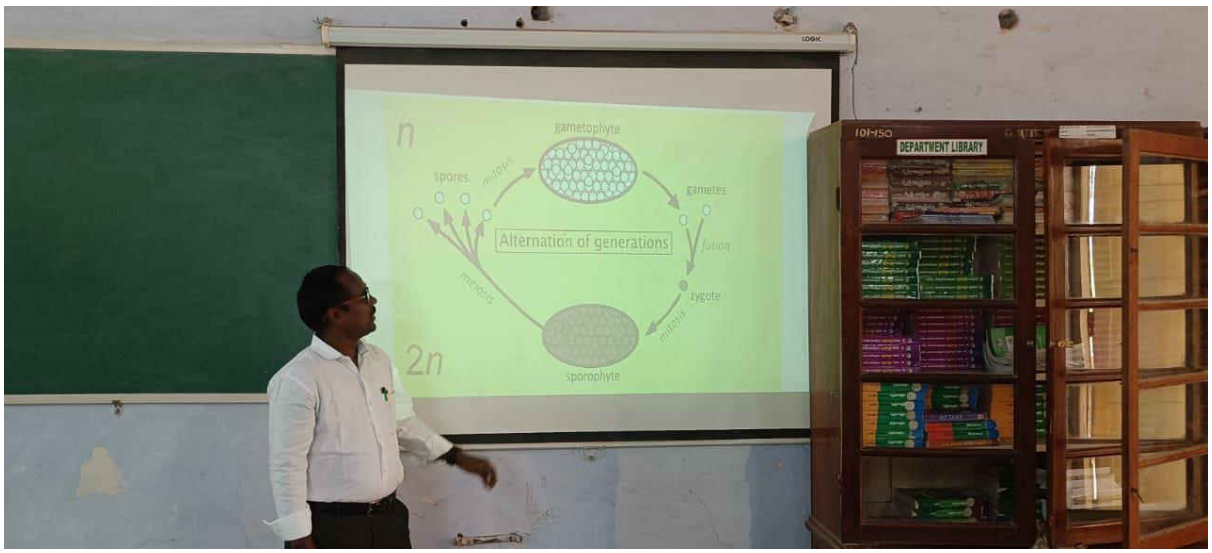
- ✓ Adapt to English medium of instruction.
- ✓ Familiarize himself with the fundamentals of botany.
- ✓ Recapitulate the basic terminologies that are used in botany.
- ✓ Acclimatize to the higher education system.

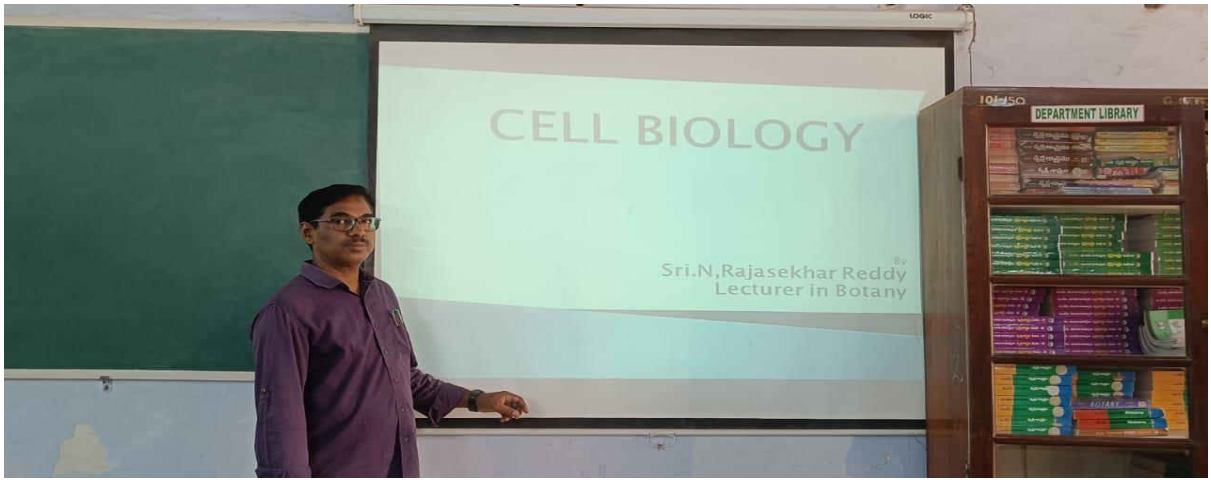
List of students attended

1.	A.Shiva kumar
2.	B.Venkata Nithin
3.	B.Aravind
4.	B.Galla Sreekanth
5.	B.Nagendra Prasad
6.	B.Sreedhar
7.	C.Santosh
8.	C.Giridhar
9.	D.Meghanadha Reddy
10.	J.Nikhil
11.	K.Venkatadri
12.	K.Harshavardhan
13.	K.Vishnuvardhan
14.	K.Gangamuneendra naidu
15.	M.Hemanth
16.	N.Chinnasidda Reddy
17.	P.Nagaraju
18.	P.Charanteja
19.	R.Thriveni
20.	S.Jyothi
21.	V,Sarada
22.	Y.Lohith

Execution of the Programme:

Photo gallery




CELL BIOLOGY
Sri.N,Rajasekhar Reddy
Lecturer in Botany
DEPARTMENT LIBRARY


CHEMICALS

GOVERNMENT COLLEGE FOR MEN (A)

(NAAC Accredited with B Grade)

YSR KADAPA (Dist.)

BRIDGE COURSE

2022-2023

DEPARTMENT OF BOTANY

About the Bridge course

Course duration	7 days
Course dates	28-09-2022 to 12-10-2022
Place	Botany Lab-28
Course organizer	N.Rajasekhar Reddy, In-charge of the department
Course teachers	Dr.M.V.Suresh Babu, P.V.Krishna Reddy. and P.Sivaramakrishna
Course for class	B.Sc (BZC) & BioBC first semester students

Preface:

As the Andhra Pradesh government has introduced only English as the medium of instruction at the degree level, it is difficult for the students who come from Telugu medium backgrounds to adapt to the English medium. Hence, a bridge course is essential for such students to become acclimated to the English medium.

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- To make the telugu medium background student adopt the English medium of instruction by explaining the important terminologies.
- To bridge the gap between the courses contents of syllabi in intermediate Botany and the graduation botany syllabus of the Vikrama Simhapuri University.
- To build up students' foundation in the fundamentals and concepts of botany and to provide the students admitted to the UG course with basic fundamentals in botany at a minimum intermediate level.

- ❖ To provide learners with the confidence they need to adjust to college and the new curriculum with ease.

Syllabus

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3. Five kingdom classification and concept of three domains system **(1 hour)**
4. Introduction to the basic structure of cell: Difference between Prokaryotic and Eukaryotic cells, Plant cell and Animal cell differences. **(1 hour)**
5. Plant Morphology in brief **(1 hour)**
6. Plant Anatomy **(1 hour)**
7. Reproduction in plants **(1 hour)**

Schedule:

S.No	Date	Topic	Course Teacher
1.	28-09-2022	**General Introduction**	N.Rajasekhar Reddy
2.	29-09-2022	**Basic Terminology in Botany**	Dr.M.V.Suresh Babu
3.	01-10-2022	Five kingdom classification and consept of three domains system	Dr.P.V.Krishna Reddy
4.	03-10-2022	Cell structure, Prokaryotic and Eukaryotic, Plant cell and Animal Cell	N.Rajasekhar Reddy
5	6-10-2022	Plant Morphology in brief	P.Sivaramakrishna
6.	08-10-2022	Plant Anatomy	Dr.M.V.Suresh Babu
7.	12-10-2022	Reproduction in plants	P.Sivaramakrishna

Outcomes:

After completion of this course student will able to

- ✓ Adapt to English medium of instruction.
- ✓ Familiarize himself with the fundamentals of botany.
- ✓ Recapitulate the basic terminologies that are used in botany.
- ✓ Acclimatize to the higher education system.

List of students attended:

1.	B.Venkateswara Rao
2.	B.Reddy Vasundhara
3.	D.Sheebha Rani
4.	D.Pavan
5.	G.Akhil
6.	K.Narayana
7.	K.Sivasubramanyam
8.	K.Siva
9.	K.Lokeswar
10.	K.Vijay
11.	O.S.Riyaz Ahamad
12.	P.Kondaiah
13.	P.Sathvik
14.	P.Sreekanth
15.	T.Vinodkumar
16.	T.Prasanth
17.	U.Maheswari
18.	Y.Kannaiah
19.	Y.Hemath Reddy
20.	D.Hemavenkata Sai

Execution of the Programme:

Photo gallery

GOVERNMENT COLLEGE FOR MEN (A)

(NAAC Accredited with B Grade)

YSR KADAPA (Dist.)

BRIDGE COURSE

2023-2024

DEPARTMENT OF BOTANY

About the Bridge course

Course duration	7 days
Course dates	21-08-2023 to 31-08-2023
Place	Botany Lab-28
Course organizer	N.Rajasekhar Reddy, In-charge of the department
Course teachers	Dr.M.V.Suresh Babu, P.V.Krishna Reddy and P.Sivaramakrishna
Course for class	B.Sc (BZC), BioBC, B.C.H First semester students

Preface:

As the Andhra Pradesh government has introduced only English as the medium of instruction at the degree level, it is difficult for the students who come from Telugu medium backgrounds to adapt to the English medium. Hence, a bridge course is essential for such students to become acclimated to the English medium.

This bridge course is aimed at helping the learner adapt to the English medium of instruction and also upgrade their basic knowledge and understanding of the subject.

Objectives of the bridge course:

- In order to fill the gap between the courses they learnt in intermediate and the topics they will study in graduation.
- To make the telugu medium background student adopt the English medium of instruction by explaining the important terminologies.
- To bridge the gap between the courses contents of syllabi in intermediate Botany and the graduation botany syllabus of the Vikrama Simhapuri University.
- To build up students' foundation in the fundamentals and concepts of botany and to provide the students admitted to the UG course with basic fundamentals in botany at a minimum intermediate level.

- ❖ To provide learners with the confidence they need to adjust to college and the new curriculum with ease.

Syllabus

1. A general introduction about the Programme Structure (B.Sc. BZC), Mark distribution, and Scheme of theory and practical examinations. Career prospectus in the field of Botany. **(1 hour)**
2. Basic terminology in Botany -Telugu to English **(1 hour).**
3. Five kingdom classification and concept of three domains system **(1 hour)**
4. Introduction to the basic structure of cell: Difference between Prokaryotic and Eukaryotic cells, Plant cell and Animal cell differences. **(1 hour)**
5. Plant Morphology in brief **(1 hour)**
6. Plant Anatomy **(1 hour)**
7. Reproduction in plants **(1 hour)**

Schedule:

S.No	Date	Topic	Course Teacher
1.	21-08-2023	**General Introduction**	N.Rajasekhar Reddy
2.	23-08-2023	**Basic Terminology in Botany**	Dr.M.V.Suresh Babu
3.	25-08-2023	Five kingdom classification and consept of three domains system	Dr.P.V.Krishna Reddy
4.	28-08-2023	Cell structure, Prokaryotic and Eukaryotic, Plant cell and Animal Cell	N.Rajasekhar Reddy
5	29-08-2023	Plant Morphology in brief	P.Sivaramakrishna
6.	30-08-2023	Plant Anatomy	Dr.M.V.Suresh Babu
7.	31-08-2023	Reproduction in plants	P.Sivaramakrishna

Outcomes:

After completion of this course student will able to

- ✓ Adapt to English medium of instruction.
- ✓ Familiarize himself with the fundamentals of botany.
- ✓ Recapitulate the basic terminologies that are used in botany.
- ✓ Acclimatize to the higher education system.

List of students attended

1.	A.Veerabhadra
2.	G.Surendra
3.	G.Nithyakumar
4.	G.Mahesh
5.	G.Kasivenkataviswanath
6.	K.Nagendra prasad
7.	K.Karthikeya
8.	K.Siva
9.	M.Eswaraiah
10.	M.Durgaprasad
11.	P.Pavan
12.	P.Krishna
13.	P.Harikrishna
14.	P.Sreenivasulu
15.	S.Chinna Reddaiah

Execution of the Programme:

Photo gallery


CHEMICALS

BRIDGE COURSE FOR ISEM STUDENTS (2018-19)

NAME OF THE FACULTY: B. Rajeswari

DEPARTMENT: Chemistry

TOPIC: Acids, Bases and salts

S.NO	NAME OF THE STUDENT	GROUP	MEDIUM	SIGNATURE
1	V.Veeranjay	M.P.C	T.M	V. Veeranjay
2	P.Saikrishna	M.P.C	T.M	P. Saikrisha
3	A. Sathish Kumar	M.P.C	E.M	A. Satish Kumar
4	C.Madhu	M.P.C	E.M	C. Madhu
5	V.Ramanjaneyulu	M.P.C	T.M	V. Ramanjaneyulu
6	S.Satish	M.P.C	T.M	S. Satish
7	V.Reddy Sekhar	M.P.C	E.M	V. Reddy Sekhar
8	D.Vijay Kumar	M.P.C	E.M	D. Vijay Kumar
9	C.Narasimha	M.P.C	E.M	P. Anil kumar
10	P.Anil Kumar	M.P.C	E.M	P. Anil kumar
11	P.Job Wesly	M.P.C	E.M	P. Jobwerly
12	P.Ravi	M.P.C	E.M	P. Ravi
13	S.Mohammed Irfan	M.P.C	E.M	M. Mohammed Irfan
14	S.Sunil	M.P.C	E.M	S. Sunil
15	S.Hussain Basha	M.P.C	E.M	S Hussain Basha
16	V.Sreenivasulu	M.P.C	E.M	V. Sreenivasulu
17	A.Salman	B.Z.C	T.M	A. Salman
18	B.Kiran Kumar	B.Z.C	T.M	B. Kiran kumar
19	C.Sudarshan	B.Z.C	T.M	C. Sudarshan
20	D.Rama Krishna	B.Z.C	T.M	D. Rama krishna
21	P.Venkatesh	B.Z.C	T.M	P. Venkatesh
22	T.Jyothi	B.Z.C	T.M	T. Jyothi
23	P.Vinod Kumar	B.Z.C	T.M	P. Vinod Kumar
24	M.Praveen Kumar	B.Z.C	E.M	M. praveen kumar
25	N.Ravi	B.Z.C	E.M	N. Ravi
26	P.Venkata Sudheer	B.Z.C	E.M	N. Ravi
27	S.Javeed Basha	B.Z.C	E.M	S. Javeed Basha
28	D.Jeevan Deepa	B.Z.C	E.M	D. Jeevan Deepa
29	J.Tarun Kumar	G.P.C	E.M	J. Tarun Kumar
30	K.Hari Nath Reddy	G.P.C	E.M	K. Harinath Reddy
31	A. Nagamunaiah	MPC	EM	A. Nagamaniah
32	A. Diwaker	MPC	EM	A. Diwaker

Ramachandra

B. RJ

GOVERNMENT COLLEGE FOR MEN (A), KADAPA

DEPARTMENT OF CHEMISTRY

BRIDGE COURSE- 2019-2020

Topic: Periodical Properties of elements

S.NO	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
1	DERANGULA ARUNKUMAR	D. Arun Kumar.
2	EERISETTY VINAY	E. Vinay
3	MOGILI NAGENDRA	M. Nagendra
4	NALLABOTHULA VENKATA RAMANA	N. Venkata Ramana
5	PENCHALAGALLA HARIKRISHNA	P. Harikrishna
6	SALA MALLIKARJUNA	S. Mallikarjuna
7	THAMMISETTY GANGADHARA	T. Gangadhara
8	TUNKURU PRUDHVI SAINATH	T. prudhvi sainath
9	UPENDRA ELURU	E. Upendra
10	VENNAPUSA REVANTH REDDY	M. Mahesh
11	YERRABALLI GANGADHAR	Y. Gangadhar
12	SIDDAREDDYGARI GANGI REDDY	S. Gangi Reddy
13	AKULA SATHISH KUMAR	A. Satish kumar
14	BANDARI UDAYKIRAN	B. Udaykiran
15	BHEEMISETTY RAJA	B. Raja
16	BOMMI SETTY HARI PRASAD	B. Hari prasad
17	CHENNU BOINA ROSHAN	C. Boina Roshan.
18	CHITTEMREDDY RAJAGOPAL REDDY	C. Rajagopal Reddy.
19	CHITTIBOYINA PRAVEEN KUMAR	C. Praveen Kumar
20	DANDE BALA VISHNU VARDHAN	D. Bala vishnu.
21	DANDU JAGADISH	D. Jagadish
22	DERINGULA SATHEESH	D. SATHEESH
23	DHANDA CHENNAKRISHNA	D. chennakrishna.
24	DUGGINENI SIDDESWARAIAH YADAV	D. Siddeswaraiah
25	ERAGAMREDDY GUNA SEKHAR REDDY	E. Guna Reddy.
26	GAJULA HEMANTH	G. Hemanth.
27	GODUGUNURU BALAKRISHNA	G. Balakrishna
28	GUBAGUNTLA SREEKANTH	G. Sreekanth
29	GUJJUGARI JAGADEESH	G. JAGADEESH
30	KASINENI HEMANTH KUMAR	K. Hemanth kumar

B.

2020-2021

Govt College for Men (A) Kadapa

Department of Chemistry

Bridge Course for I Semester students 2020-2021

Name of the faculty :— B. Rajeswari

Topic :— Electronic Configurations & Molecular weights

S.NO	Name of the Student	Group	Medium	Signature
1.	A. Suresh	MPC-EM	EM	A. Suresh
2.	A. Karthick	"		ABSENT
3.	B. Deepthi	"		B. Deepthi
4.	B. Madhu Sudhan Reddy	"		ABSENT
5.	B. Obul Reddy	"		ABSENT
6.	C. S.N. Madhavan	"		ABSENT
7.	C. Chinna obulesh	"		C. Chinna obulesh
8.	E. Prashanth Kumar	"		E. Prashanth Kumar
9.	G. Vamsi	"		G. Vamsi
10.	G. Anjan Kumar	"		G. Anjan Kumar
11.	G. Sai Ram	"		G. SaiRam
12.	G. Pavan Kumar Reddy	"		G. Pavan Kumar Redd
13.	K. Prudhvi Raj	"		ABSENT
14.	M. Thejesh	"		ABSENT
15.	M. Naveen	"		M. Naveen
16.	M. Palak parthi	"		M. Palak Parthi
17.	Narasimha	"		ABSENT
18.	N. Madhu Sudhan	"		N. Madhu Sudhan
19.	P. Madhu Sudhan Reddy	"		P. madhu sudhan Reddy
20.	P. Sathya Prakash	"		P. Sha Prakash.
21.	P. Vijaya Kumar	"		ABSENT
22.	P. Mahesh Reddy	"		P. Mahesh Reddy
23.	S. Gouri shankar	"		S. Gouri Shankar
24.	S. Rasool	"		
25.	S. Anwesh	"		

Government College for Men (A) Kadapa

Department of Chemistry 2020-21

Name of the Faculty : → B. Rajeswari

Topic : — Electronic Configurations and Calculation of M.Wts

1.	S. Chandu	B2C	EM	ABSENT
2.	A. Pedda Obulesu			A. pedda obulesu
3.	A. Nanda Kishore			A. Nanda Kishore
4.	A. Sunil Kumar			A. Sunil Kumar
5.	A. Ganesh Kumar Reddy			ABSENT
6.	B. Swathi			B. Swathi
7.	B. Nani			B. Nani
8.	B. Guru sekhar Reddy			ABSENT
9.	C. Venu			C. Venu
10.	C. Krishnaveni			C. krishaveni
11.	C. Nagamani			C. Nagamani
12.	D. Dinesh			D. Mouth
13.	D. Krishnam Raju			S. Sajid Hussain
14.	E. Raj kumar			E. Raj kumar
15.	G. Vamsi			G. Vamsi
16.	G. Rahul Kumar			G. Rahul kumar
17.	G. S. Mahaboob Basha			ABSENT
18.	J. Manikanta			ABSENT
19.	K. Naveen Kumar			ABSENT
20.	K. Yellaiah			K. Yellaiah
21.	K. Manoj			ABSENT
22.	K. Mahesh			K. mahesh.
23.	K. Khadirunnisa			ABSENT
24.	K. Lokesh			K. lokesh

26	L. Vamsi Krishna	L. Vamsi Krishna
27.	M. Ganesh	M. Ganesh
28.	M. Sai Balaji	M. Sai Balaji
29.	M. V. S. Prathap Simha	ABSENT
30.	M. Yella Anjaneyulu	M. Yella Anjaneyulu
31.	M. Deepak Aasish	M. venkata sumanth
32.	M. Venkata Sumanth	M. venkata sumanth
33.	N. Pradeep	v. pradeep
34.	N. Ajay kumar	N. Ajay Kumar
35.	O. Narasimhulu	ABSENT
36.	P. Narasimha	p. Narasimha.
37.	P. Sushanth Raj	p. Sushantha Raj
38.	S. Swetha	S. swetha
39.	S. Aravind	S. Aravind
40.	S. Sumanth	S. Sumanth
41.	S. Bhavabu	S. Bhavabu
42.	S. venkatesh	S. venkatesh
43.	S. Abdul Nazeed	ABSENT
44.	T. vijay kumar	T. vijay kumar
45.	V. Vinay kumar	V. vinay kumar
46.	V. Anjan Reddy	ABSENT
47.	V. Mathew Ashok	ABSENT
48.	Y. Venkata Sai	Y. venkata sai

B. [illegible]

Govt College (A) Kadapa

Department of Chemistry

Name of the faculty :— Dr. B. Ramachandra

Topics :— Writing Formulae using Criss Cross method

S.No	Name of the Candidate	Group	Medium	Signature
1.	K. Ankaiah	BT2C	EM	K. Ankaiah
2.	A. Venu Gopal			A. Venu Gopal
3.	A. Nagarjuna			A. Nagarjuna
4.	B. Venkata Sai			B. Venkata Sai
5.	C. Sudhakar			C. Sudhakar.
6.	D. Venkat			ABSENT
7.	G. Arun kumar			J. karthik.
8.	J. Karthik			ABSENT
9.	K. Sivaji			ABSENT
10.	M. Vinay			ABSENT
11.	M. Sai Charan Venkata Swamy			ABSENT
12.	S. Prem Theja			ABSENT
13.	S. Vamsi			S. Vamsi
14.	S. Vmar			S. Vmay
15.	S. Fayaz			S. Fayaz
16.	S. Ismail			S. Ismail
17.	S. Mustaq Ali			S. MustaqAli
18.	T. Guru Sai			T. Guru sai
19.	T. Siva			ABSENT
20.	V. Harikrishna			

Ramachandra

Govt College for Men (A) Kadapa

Department of Chemistry

Name of the faculty :—— B. Mahesh

Topic :—— Writing formulae in Criss Cross method

1.	A. Sanjeevarayudu	BTBC	EM	
2.	B. Sai Kumar			ABSENT
3.	B. Ganesh			ABSENT
4.	B. Hari Naik			B. Hari Naik.
5.	C. Chandra Sekhar			C. Chandra sekhar
6.	K. Naveen Kumar			ABSENT
7.	K. Konda Kiran			K. Konda Kiran
8.	M. K. V. Ramanaiah			M. K.V. Ramaniah
9.	P. Siva			p. siva
1.	A. Vijaya Surendra	BCH	TEM	A. Vijaya Surendra
2.	B. Jay			B. Jay
3.	C. Narasimha			C. Narasimha
4.	C. Venkata Ramana			ABSENT
5.	G. Arun			G. Arun
6.	K. Uday kiran			K. Uday Kiran
7.	K. Venkata Sai Kumar Reddy			k. venkata saikumarreddy
8.	K. Guru kiran			K. Guru kiran
9.	K. Vijayankesh			ABSENT
10.	M. Sai Adithya			M. Sai Adithya
11.	P. Pavan Kalyan yadav			P. Pavan kalyan yadav

Govt College for Men (A) Kadapa
Department of Chemistry

Name of the Faculty : G. Ayyavara Reddy
TOPIC Covered : Basic Concepts in Chemistry

S.NO	Name of the student	Group	Medium	Signature
1.	R. Hari Prasad	GPC	EM	R. Hari prasad
2.	B. Anil Kumar			B. Anil Kumar
3.	C. Harsha Vardhan Reddy			C. Harsha vardhan Reddy
4.	G. Bharath kumar			ABSENT
5.	G. Poorna Sai kumar			G. Poornasai kumar
6.	J. Sathish			J. Sathish
7.	K. Dhanunjaya			ABSENT
8.	K. Muhammad Asadullah			K. Muhammad Asadullah
9.	K. Praveen Naik			ABSENT
10.	K. Deva Kumar			K. Deva Kumar
11.	K. Subbarayudu			K. Subbarayudu
12	K. Raja Sekhar reddy			ABSENT
13.	M. Sindhe Vishnu vardhan			M. Sindhe Vishnuvardhan
14.	M. V. Gangadhar Reddy			M. V. Gangadhar Reddy
15.	N. Maruthi			ABSENT
16.	N. Naveen			N. Naveen
17.	P. Siva krishna Reddy			P. siva krishna Reddy
18.	P. Mani			P. Mani
19.	T. Kiran			T. Kiran
20.	V. Charan kumar			V. charan kumar
21.	V. Harikrishna			ABSENT

Government college for Men [A] Kadapa.

Department of chemistry

Bridge Course for I Semester Students [2024-25]

Name of the faculty :- 1) Mrs. T. Venkata Lakshmi

Topic :- Introduction. 2) Dr. B. Mahesh.

S.No	Name of the student	Group	Medium	Signature
1.	A. Siva Kumar	B.Z.C.	English	A. Siva Kumar.
2	A. Chinna Bhchalaiah	B.Z.C	"	A. Chinna Bhchalaiah
3	P. Aparna	B.Z.C	"	P. Aparna.
4	Y. Venkatesh	B.Z.C	"	Y. Venkatesh
5	B. Sreekanth	B.Z.C	"	B. Sreekanth
6.	P. charan tesa.	B.Z.C.	"	P. charan tesa.
7.	K. Praveen	B.Z.C	"	K. Praveen.
8	E Sravanj	B.Z.C	"	E Sravanj
9	Y. Poojalaiah	B.Z.C	"	Y. Poojalaiah

Date: 25/11/21
11am-1pm

Govt College for Men (A) Kadapa

Department of Chemistry

Bridge Course for I Semester Students

Name of the faculty : — 1) K. Narayana Rao
2) B. Rajeswari

Topic :— Nomenclature

S.No	Name of the Student	Group	medium	Signature
1.	C. Santosh	B.Sc	English	C. Santosh
2.	Y. Poojalaiah	B.Z.C	English	Y. Poojalaiah
3.	A. Siva kumar	B.Z.C.	English	A. Siva kumar.
4.	P. charan teja.	B.Z.C	English.	P. charan teja.
5.	G. Sri krishna	B.Z.C	English	G. Srikrishna
6.	B. Sreedhar	BZC	English	B. Sreedhar
7.	G. Siva sai	BZC	English	G. Siva sai
8.	D. meghanadha Reddy	BZC	English	D. Meghanadha Reddy
9.	K. Praveen.	B.Z.C	English.	K. Praveen.
10.	E. Swaraj	B.ZC	English	E. Swaraj.

Government College (A) Kadapa

Department of Chemistry

Name of the Faculty: — Dr. B. Ramachandra

Topic : ⟶ Electronic configurations of elements

S.NO	Name of the Student	Group	Medium	Signature
1	K. Nikhil	Bio-ZC	Eng	K. Nikhil
2.	P. Charan Thej a			P. Charan
3.	Y. Poojalaiah			Y. poojali
4.	K. Jahnavi			K. Jahnavi
5.	S. Shalini			S. Shalini
6.	V. Sarada			V. Sarada
7.	P. Madhu			P. Madhu

SNO	Name of the student — 03/12/2021	Group	Medium	Signature
1.	T. Naga Jyoshna	BHC	EM	T. Naga Jyoshna
2	P. Siddaiah	BZC	EM	P. Siddaiah
3	N. Gangulaiah	Bt-ZC	Em	N. Gangulaiah
4)	K. Nikhil	Bt-ZC	EM	K. Nikhil
5)	S.V. Sai Prasad	Bt. B.C	Em	S.V. Sai Prasad
6)	K. Jagadeesh Kumar	Bt. B.C	EM	K. Jagadeesh Kumar
7)	A Suresh	Bt. BC	EM	A. Suresh
8)	C. Dalesa	Bt. BC	EM	C. Dalesa
9)	P. Venkat mohan	Bt ZC	Em	P. Venkat mohan
10)	S. Ravi Kumar	BC	EM	S. Ravi Kumar

Ramachandra

Government College for Men(A) Kadapa

Department of Chemistry

Name of the Faculty : ——→ Dr. B. Ramachandraw

Topic : ——→ Periodical Properties

1.	Y. Venkatesh	B.Z.C	E.M	Y. Venkatesh
2.	N. Yoga nanda Reddy	B.Z.C	E.M	N. Yogananda.
3	E. Sooraj	B.Z.C	EM	E Sooraj
4.	K. praveen	B.Z.C	E.M	K. Praveen
5.	B. Sreekanth	B.Z.C	E.M	B. Sreekanth
6.	D. Sai Kumar	B.Z.C	E.M	D. Sai Kumar
7	P. charan teja.	B.Z.C	E.M.	P. charan teja.
8	Y. Poojalaiah	B.Z.C	E.M	Y. Poojalaiah
9.	P. Aparna	B.Z.C	E.M	P. Aparna
	V. Sarada	B.Z.C	E.m	V. Sarada.

Ramachandraw

Department of Chemistry

Name of the Faculty :- C. Nageswara Reddy Date :— 01.01.22

Topic Covered : — Electronic Configuration Time : — 10.00-10.5

S.NO	Name of the student	Group	Medium	Signature
1	K. Siva Subramanyam	B.Z.C	E.M	K. Siva Subramanyam
2	Y. Hemanth Reddy	B.Z.C	E.M	Y. Hemanth Reddy
3.	K. Vijay	B.Z.C	E.M	K. Vijay
4.	K. Lokesh war	B.Z.C	E.M	K. Lokesh war
5	D. Pavan kumar	B.Z.C	Em	D. Pavan kumar
6.	K. Kali Sankar	B.Z.C	EM	K. Kali Sankar
7.	T. prasanth	B.Z.C	E.M	T. prasanth
8.	V. Maheswari	B.Z.C	E.M	V. Maheswari

2022-2023

Name of the Faculty : 1) Mrs. J. Venkata Lakshmi
2) Dr. C. Nageswara Reddy

Date : 03.11.22

TOPIC Covered : Fundamentals in chemistry

Time : 10.50 - 11.40

S.No	Name of the Student	Group	Medium	Sign of the student
1.	N. Devendra Reddy	Bio-B.c	E.M.	N. Devendra Reddy
2.	K. Ravi Sankar	BZC	EM	K. Ravi Sankar
3	K. Siva Subramanyam	B.Z.C	E.M	K. Siva Subramanyam
4	T. Vinod kumar	BZ.C	E.M	T. Vinod kumar
5	K. Lokesh war	B.Z.C	E.M	K. Lokesh war
6	Y. Hemanth Reddy	B.Z.C	E.M	Y. Hemanth Reddy
7.	Y. Kannaiah	BZC	EM	Y. Kannaiah
8.	K. Vijay	B.Z.C	EM	K. Vijay
9.	S. R. Sufiyan Ahmed	B.Z.C	EM	
10	P. Kondaiah	B.Z.C	E.M	P. Kondaiah
11	O.S. Riyaz Aharmad	B.Z.C	E.M	O.S. Riyaz
12	D. Pavan kumar	B.Z.C	E.M.	D. Pavan kumar
13	B. venkateswara rao	B.Z.C	E.M	B. venkat
14	T. prasanth	B.Z.C	E.M	T. prasanth
15.	P. Sreekanth	B.Z.C	E.M	P. Sreekanth
16	K. Sudeepika	B.Z.C	E.M	K
17	U. Maheswari	B.Z.C	E.M	U. Maheswari
18.	B. Reddy Vasundhara	B.Z.C	E.M	B.R. Vasundhara
19.	D. Sheebha Rani	B.Z.C	E.M	D. Sheebha Rani

Name of the Faculty :— B. Rajeswari Date : 04.11.22

Topics Covered : — Fundamentals in Chemistry Time : 11.40-12.30

SNO	Name of the student	Group	Medium	Signature of the st
1.	P. Vamsi	BEH	E.M.	P. Vamsi
2.	N. Devendar Reddy	Biotech. B.C.	E.M.	N. Devendar Reddy.
3.	K. Shakti Sankar	BZC	E.M	K. Shakti Sankar
4.	K. Siva Subramanyam	B.Z.C	E.M	K. Siva Subramanya
5.	T. Vinod kumar	B.Z.C.	E.M.	T. Vinod kumar.
6.	K. Lokesh War	B.Z.C	E.M	K. Lokesh War
7.	Y. Hemanth Reddy	B.Z.C	E.M	Y. Hemanth Reddy
8.	Y. Kannaiah	B.Z.C	E.M	Y. Kannaiah
9.	K. Vijay	B.Z.C	GM	K. Vijay
10.	S.R. Sufiyan Ahmed	B.Z.C	E.M	
11.	P. Kondaiah	B.Z.C	E.M	P. Kondaiah
12.	O.S. Riyaz Ahammad	B.Z.C	E.M	O.S. Riyaz
13.	D. Pavan kumar	B.Z.C	E.M	D. Pavan Kumar
14	B. Venkateswara rao	B.Z.C	E.M	
15.	T. prasanth	B.Z.C	E.M	T. prasanth
16.	P. Sreekanth	B.Z.C	E.M	P. Sreekanth
17.	K. Sandeepika.	B.Z.C	E.M	K.
18.	U. Maheswari	B.Z.C	E.M	U. Maheswari
19.	B. Reddy Vasundhara	B.Z.C	E.M	B.R. Vasundhara
20.	D. Sheebha Rani	B.Z.C	E.M	D. Sheebha Rani

GOVT.COLLEGE FOR MEN (A), KADAPA

Dept. of MATHEMATICS

Bridge course for I SEM students of 2022-23

Objective of the course:

To assist students in transitioning from junior college to college by strengthening academic abilities and understanding concepts of Mathematics.

PROGRAMME SHEDULE

DURATION : 15 HOURS (27-10-2022 to 15-11-2022 , 9 AM to 10 AM)

S.No	Name of the lecturer handling the topic	Name of the topic
1	Dr.G.Venkata Subbaiah	Trigonometry
2	Dr.A.Nagabushana Reddy	Differentiation and integration
3	Dr.D.Leela Vardhini	Sets, relations and functions
4	Sri V. Appalanaidu	Matrices

26-10-2022

Lecturer Incharge,
Dept. of Mathematics,
Govt. College for Men (A),
KADAPA-516004.

S.No	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	MPCS															
1	B. NAGASIVA REDDY	P	P	a	a	P	P	a	P	P	P	a	P	P	a	P
2	CH. KRISHNAM RAJU	P	P	P	P	P	a	a	a	P	a	P	P	P	P	P
3	D. SHIVA	P	P	P	P	P	a	P	P	P	P	P	P	a	P	P
4	G.RIYAZ	a	P	P	a	P	a	P	a	a	P	P	P	P	P	D
5	G.GURRAPPA	P	P	P	P	a	P	P	P	P	P	P	a	P	P	a
6	G.PAVAN KUMAR	P	P	P	P	a	P	a	P	P	P	P	P	P	P	P
7	K.YOGENDRA	P	a	a	P	P	P	P	P	P	P	a	P	P	a	P
8	M.MUNIVARDHAN	P	P	P	P	a	a	P	a	P	P	P	a	P	P	P
9	N.USMAN BASHA	P	P	P	a	a	P	a	P	P	P	P	P	P	P	P
10	S.MOHAMMAD BASHA	a	P	a	P	P	a	a	a	P	a	P	P	a	P	P
11	U.NAGANATHA NAIK	P	a	P	P	P	P	P	P	P	P	P	P	P	P	P
	MSCS															
12	K.KARTHIK	P	P	P	a	P	P	P	P	P	P	P	P	P	P	a
13	K.JAGADISH	a	P	P	P	P	P	P	P	P	P	P	P	P	a	P
14.	K.GOVINDARAJU	P	a	P	P	P	P	P	P	P	P	P	a	P	P	P
15	L.HARSHA VARDHAN KUMAR	P	P	P	P	P	P	P	P	P	P	a	P	P	P	P
16	P.V.GOUTHAM	P	P	a	a	P	P	P	a	P	P	P	P	P	P	P
17	S.KARTHIK	a	P	P	P	a	a	P	a	a	P	P	P	P	a	P
18	T.DEVA SUBHAKAR	P	a	P	P	P	P	P	P	P	P	P	P	P	P	P
19	V.BHARATHI	P	P	P	P	P	P	a	a	P	P	P	a	P	P	P
	MCCCS															
20	B.LAKSHMIKANTH	P	P	P	a	a	a	P	a	P	P	a	a	P	P	P
21	C.DEVA KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	a
22	G.LALITH PAWAN	a	P	P	P	P	P	a	a	P	P	P	P	P	P	P
23	K.LATHEESH	P	a	a	P	P	P	a	P	a	P	P	P	a	P	P
24	M.MUJEEB ALIKHAN	a	a	P	P	a	a	P	P	P	P	P	P	P	P	P
25	M.ARIFUDDIN	P	P	P	P	P	P	P	a	P	P	P	a	P	P	P
26	M.V.PRASAD	P	a	P	P	P	P	P	P	P	a	P	P	P	P	P
27	N.Md.HUSSAIN	a	P	P	a	a	P	a	a	a	P	P	P	P	a	P
28	P.BALAJI	P	a	P	a	P	a	a	P	P	P	P	P	P	P	P
29	S.SALOMON RAJU	P	P	a	P	P	a	P	a	a	a	a	P	P	a	P
30	SK.NOOMAN HUSSAIN	P	P	P	P	P	P	P	P	P	P	P	P	a	P	P
32	Sd.MOHAMMAD FAIZAN	P	P	P	P	P	P	P	P	a	a	P	P	P	P	P
33	Y.V.VARA PRASAD	P	P	P	P	a	a	a	P	P	a	P	P	P	P	P

15.11.2021

Lecturer Incharge,
Dept. of Mathematics,
Govt. College for Men (A)
KADAPA-516004.

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GOVT. COLLEGE FOR MEN (A)
KADAPA.

BRIDGE COURSE FOR FIRST SEMESTER B.Sc. COURSE

In simple terms, a bridge course is a short-term program designed to help students transition from intermediate level to graduation. This Course helps students 'bridge the knowledge gap' between different levels of a subject. Often, bridge courses are taken when promoting secondary school level to undergraduate programs.

Objectives of the course:

To enable the students

1. To recall the importance of physics in daily life
2. To understand the application of basic mathematical identities in physics
3. To recall basic equations in physics.
4. Understand problem solving skills in physics.
5. Understand plotting of graphs and see relations between variables.

SYLLABUS FOR BRIDGE COURSE

1st Semester

Complementary Physics (10 Hours)

Module 1 - (1 hour)

Science in everyday life, Importance of Physics, prefixes and suffixes used in physics in measuring physical quantities.

Module 2 - (3 hours)

Physical quantities: Units and conversion of units. Scalar and vector quantities, Vectors: Basic Properties, Dot product and Cross product, Basic Equations of motions,

Module 3 - (2 hours)

Important identities in trigonometry, basics of calculus, Differentiation and Integration and their applications in physics

Module 4 - (3 hours)

Method to solve problems in Physics: Steps involved in problem solving, Understanding the problem, interpretation of data, see relationship in the data, simplification and calculation, Solving some problems (plus two levels), Plotting of graphs between physical quantities and their uses.

Module 5 - (1 hour) Discussion on Complementary course syllabus, various text books used for the course, internal assessment, semester Exam pattern and evaluation scheme etc.

Behavioral outcomes: At the end of the course students are able to

1. Write and identify the values of multiples and sub multiples of physical quantities.
2. Convert units of physical quantities from one system to the other.
3. Apply vector products and scalar products in problem solving.
4. Recall suitable basic equations of motion.
5. Apply trigonometric identities in physics.
6. Apply differentiation and integration in physics.
7. Solve problems related to physics faster.
8. Write applications of graphs to see relationship between physical quanties.
9. Explain pattern of examinations and internal evaluation in semester system.

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