

PO-PSO

BACHELOR OF ARTS (BA)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101
(Chhattisgarh) INDIA

	PO	PSO
B.A	PO 1. The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough. PO 2. The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking. PO 3. The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice. PO 4. The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity. PO 5. The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever. PO 6. Programme provides the base to be the responsible citizen.	1. Students will develop functional and basic knowledge of English, Hindi, Sociology, History, Geography, Political Science and Economics. 2. Students will be able to analyze and apply the specific knowledge in their lives which they will receive during their academic years. 3. Students will be able to appear in graduate level competitive examination and capable for further study for the same.

PO-PSO

BACHELOR OF BUSINESS ADMINISTRATION (BBA)



KALINGA UNIVERSITY

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Kotni, Near Mantralaya, Naya Raipur – 492101
(Chhattisgarh) INDIA

	PO	PSO
BBA	PO1: To provide adequate basic understanding about Management Education among the students. PO2: To prepare students to exploit opportunities being newly created in the Management Profession. PO3: To train the students in communication skills effectively. PO4: To develop appropriate skills in the students so as to make them competent and provide themselves self-employment. PO5: To inculcate Entrepreneurial skills. PO6: To work well in teams, including virtual settings. PO7: To understand finance and other core business content. PO8: To recognize and solve business problems in an ethical manner. PO9: To communicate business information professionally. PO10: To build the department as a centre of excellence for imparting high quality management education at the undergraduate level. PO11: To contribute to creation of knowledge by encouraging faculty to engage in research. PO12: To stimulate in students an interest in research and initiate them into research methodologies. PO13: To make education accessible to students across borders of religion, geography, caste or gender. PO14: To foster thinking minds that are sensitive to societal needs and issues thus making them good human beings and responsible members of the society. PO15: To provide an environment that facilitates all-round development of the student personality	BBA programme has been designed to prepare graduates for attaining the following specific outcomes: PSO1: Critical Thinking Skills: Students are able to define, analyze, and devise solutions for structured and unstructured business problems and issues using cohesive and logical reasoning patterns for evaluating information, materials, and data. PSO2: Communication Skills: Students are able to conceptualize a complex issue into a coherent written statement and oral presentation. PSO3: Technology Skills: Students are competent in the uses of technology in modern organizational operations. PSO4: Entrepreneurship and Innovation: Students can demonstrate the fundamentals of creating and managing innovation, new business development, and high-growth potential entities. PSO5: Business Knowledge: Students can demonstrate technical competence in domestic and global business through the study of major disciplines within the fields of business

PO-PSO

BACHELOR OF COMMERCE (B.Com)



KALINGA UNIVERSITY

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Kotni, Near Mantralaya, Naya Raipur – 492101
(Chhattisgarh) INDIA

	PO	PSO
B.Com	PO - I: Knowledge: Acquainting students with strong theoretical background of commerce along with its computer applications in real business world. Students will be able to use various IT tools or models in industry to manage business transactions. PO - II: Core Competence: Students will develop professional skills in commerce through the utilization of innovative educational processes, in a modern, global and technological business environment for immediate employment and for life-long learning in advanced areas of commerce with computer applications and related fields. PO - III: Leadership: Students will be able to demonstrate their leading role in the community, enabling him or her to take responsibilities and contribute to solving problems through innovative thinking, collective work, reflection, and self-development. PO - IV: Problem Solving: Development of problem solving skills by effective team work, effective communication, critical thinking and solving real problems through the use of management knowledge. PO - V: Professionalism: Students will be provided with an educational foundation that prepares them for excellence with computer skills in the field of commerce along diverse career paths with encouragement to professional ethics and active participation needed for a successful career. PO - VI: Entrepreneurial Skills: Students will develop entrepreneurial skills through participating in various corporate and expert sessions on recent trends in the field of commerce, club activities, soft skill sessions and management fest as well as cultural fest. Students will be provided platform to explain various business opportunities and challenges in a global business environment and approach with people in different scenario to develop their entrepreneurial skills.	PSO: Students will be able to understand the concepts of commerce and computer application operations. PSO: Students will be able to apply current techniques, skills and tools necessary for Accounting practices Ability to design, implement domain knowledge for financial and accounting practices. PSO: It enable students to understand process information by effective use of IT tools PSO: Students will develop an understanding of various commerce functions such as finance, accounting, financial analysis, project evaluation, and cost accounting PSO: The students will get basic knowledge about nature of various costs in running the business and understanding professional and ethical responsibility. PSO: Students will acquire knowledge of cost accounting for manufacturing business.

PO-PSO

BACHELOR IN COMPUTER APPLICATION (BCA)



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(Chhattisgarh) INDIA

	PO	PSO
BCA	PEO 1 Graduates of the program will be a successful professional and quick learner in diverse fields of Computer Science. PEO 2 Graduate of the program will be capable to adapt innovative computing technology. PEO 3 Graduate of the program will develop effective leadership and communication skills so as to work harmoniously work as a team member. PEO 4 Graduates of the program will work productively as a Computer professional to develop and test Computer Software and Applications using Modern Tools. PEO 5 Graduate of the program will be capable of ethical responsibility and work for the betterment of the society.	PSO 1 An ability to use innovative tools, techniques and skills necessary for developing multidisciplinary projects. PSO 2 Ability to use knowledge gained for solving complex problems using Computational sciences.

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BACHELOR OF LIBRARY & INFORMATION SCIENCE (B.LIB)



KALINGA UNIVERSITY

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Kotni, Near Mantralaya, Naya Raipur – 492101
(Chhattisgarh) INDIA

	PO	PSO
B.Lib	P O 1:- Implement and evaluate information and communication technologies for efficiency, usability and value to users. P O 2:- Apply problem solving skills while providing reference and other services and for formulating search strategies for searching information from Internet and databases. P O 3:- work effectively in diverse teams in classrooms, in computer laboratory and in Libraries and Information Centers. P O 4:- Demonstrate the ability to identify ethical issues related with Intellectual Property Rights, copyright etc. while providing library services	P S O 1:- :- Retrieve, evaluate and synthesize information resources to fulfil an information needs, assessment and evaluate the usefulness of these resources to the user. P S O 2:- Demonstrate comprehensive knowledge and understanding of major concepts, principles, theories and laws of various subjects in Library and Information Science P S O 3:- Classify simple, compound and complex documents using standard classification schemes; capability to catalogue all types of documents. P S O 4:- : Communicate effectively in oral and written forms with users, colleagues and authorities in an effective manner

PO-PSO

BACHELOR OF SCIENCE (B.Sc.)



KALINGA UNIVERSITY

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Kotni, Near Mantralaya, Naya Raipur – 492101
(Chhattisgarh) INDIA

	PO	PSO
B.Sc. PCM/ZBC	PO 1- Learn professionalism, including the ability to work in teams and apply basic knowledge of subjects with ethical principles. PO 2- Develop and acquire scientific outlook which inspires in evolving new scientific theories and inventions. PO 3-Analyze the given scientific data critically and systematically and the ability to draw conclusions for the same by thinking creatively. PO 4-Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life. PO 5-Acquired the skills in handling scientific instruments, planning and performing in laboratory experiments The skills of observations and drawing logical inferences from the scientific experiments.	PSO 1-Analyzed the given scientific data critically and systematically and the ability to draw the objective conclusions. PSO 2- Been able to think creatively (divergently and convergent) to propose novel ideas in explaining facts and figures or providing new solution to the problems. PSO 3- Realized how developments in any science subject helps in the development of other science subjects and vice-versa and how interdisciplinary approach helps in providing better solutions and new ideas for the sustainable developments. PSO 4- Developed scientific outlook not only with respect to science subjects but also in all aspects related to life. Realized that knowledge of subjects in other faculties such as humanities, performing arts, social sciences etc. can have greatly and effectively influence which inspires in evolving new scientific theories and inventions.

PO-PSO
BACHELOR OF SCIENCE - BIO-
TECHNOLOGY
(B.Sc. BIO-TECHNOLOGY)



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(Chhattisgarh) INDIA

	PO	PSO
B.Sc. Biotechnology	• Programme outcome of B.Sc. Biotechnology is to produce skilled biotechnologist's who can employ and put into practice their knowledge base in quality processes and applications which will greatly influence or utilized for existing standard of agriculture, industry, healthcare and environment control to provide sustainable competitive perimeter to current society. • Students will be eligible for doing jobs in various sectors of pharmaceutical, agricultural and biotechnological industry.	• Students will be able design, conduct experiments, analyze and interpret data for investigating problems in Biotechnology and allied fields. • Higher studies (M.Sc., M.Tech, M.Phil, and Ph.D) can be pursued in order to achieve research positions. Various examinations such as CSIR-NET, ARS-NET, SET, GATE, ICMR, DBT and many other provide fellowships for pursuing Ph.D. • Student can avail junior scientist position in various research and developmental labs. • Students can become Production Officer and Technical Assistant in biotechnology, pharmaceutical Companies, bio fertilizer industry, aquaculture industries, environmental units, crop production units, food processing industries, and national bio-resource development firms. • Some of the major pharmaceutical and drug companies' hiring biotechnological professionals include Ranbaxy, Biocon, Genei and Dr Reddy's Labs, food processing industries, Milk industry, chemical industry and textile industry. • Beside these industries also employ bio-technologist in their marketing sectors to enhance business. • Beside industrial sector there are abundant opportunities in academics. • Several career opportunities are available for students with biotechnology background abroad especially in countries like Germany, Australia, Canada, USA, and Malaysia. • Biotechnology entrepreneur often starts with a technical background, most commonly including scientific laboratory research and may receive financial support from venture capitalists.

PO-PSO

BACHELOR OF SCIENCE
FASHION DESIGN
(B.Sc. FD)



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(Chhattisgarh) INDIA

	PO	PSO
B.Sc. Fashion Design	India is a country with an ancient clothing design tradition, yet an emerging fashion industry. Though a handful of designers existed prior to the 1980s, the late 80s and the 90s saw a spurt of growth. This was the result of increasing exposure to global fashion and the economic boom after the economic liberalization of the Indian economy in 1990. The following decades firmly established fashion as an industry across India. Fashion design as a career is a booming sector now days, as it's a glamorous field and also handful of opportunities are emerging day by day. This course is full of creativity and imagination which learner uses to showcase his thoughts through working on fabric.	After doing the fashion design course, a student will be able to become an entrepreneur, as it's a skill based course, where after completion he/she can work as – • Fashion designer • Fashion consultant • Fashion freelancer • Fashion illustrator • Visual merchandizer • Boutique owner • Fashion assistant • Fashion merchandiser • Fashion coordinator • Specialised designer • Accessory designer • Fashion facilitator • Sampling coordinator • Designer intern • And many more.....

PO-PSO

BACHELOR OF SCIENCE
INTERIOR DESIGN
(B.Sc. ID)



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(Chhattisgarh) INDIA

	PO	PSO
B.Sc. Interior Design	1. To prepare graduates to pursue careers as interior design educators, directors of interior design research, And/or practitioners of interior design. 2. To contribute to and advance the body of knowledge pertaining to interior design and the built environment. 3. To establish a graduate program that achieves national and international visibility. 4. Challenge students to think beyond their current mindset and foster innovation. 5. Support students as they seek to excel, both academically and personally. 6. Be prepared to work with other disciplines and specialists in a positive collaborative environment. 7. Provide exposure to the world of design outside the region, both nationally and internationally.	1. Provide students with opportunities to explore advanced design theories, problem-solving techniques, methodologies, and individual research and design applications. 2. Provide students with opportunities for interdisciplinary exchange. 3. Provide students with effective mentoring. 4. Provide a variety of experiences designed to help students develop as practitioners in their fields, such as teaching or research assistantships, internships, or other employment that utilizes or improves on professional skills. 5. Provide a variety of experiences designed to help students develop as scholars in their academic fields, including participation in conferences, workshops, or short courses and formal presentations, such as invited talks, posters, technical reports and publications. 6. Encourage students to join appropriate professional organizations and take active roles in these organizations. 7. Provide guidance to students in developing a strong ethical sense related to research and practice in their professions.

PO-PSO

BACHELOR OF SCIENCE
COMPUTER SCIENCE
(B.Sc. CS)



KALINGA
UNIVERSITY

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Kotni, Near Mantralaya, Naya Raipur – 492101
(Chhattisgarh) INDIA

	PO	PSO
B.Sc. Computer Science	PO 1. Ability to apply knowledge of Computer Science and its Applications. PO 2. An ability to design, implements, and evaluate a computer based system to meet desired needs within realistic constraints. PO 3. An ability to identify, formulate, and develop solutions to computational challenges. PO 4. An ability in the understanding of professional, ethical, legal, security and social issues and responsibilities. PO 5. An ability to function effectively in teams and individually to accomplish a common goal.	PSO 1. An ability to use innovative tools, techniques and skills necessary for developing multidisciplinary projects. PSO 2. Ability to use knowledge gained for solving complex problems using Computational sciences.

PO-PSO

BACHELOR OF EDUCATION (B.Ed.)



KALINGA UNIVERSITY

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Kotni, Near Mantralaya, Naya Raipur – 492101
(Chhattisgarh) INDIA

	PO	PSO
B.Ed.	• PO-I: To make the student teachers understand how children learn and develop, how they differ in their approaches to learning and create learning opportunities that benefit diverse learners and learning contexts • PO-II: To develop the skills of student teachers to plan learning experiences in and outside the classroom that are based on learners' existing proficiency, interests, experiences and knowledge, and enable them to understand how students come to view, develop, learn and make sense of subject matter contained in the curriculum. • PO-III: To develop the capacity among student teachers to use knowledge of effective verbal, non-verbal and media communication techniques to foster active enquiry, collaboration and supportive interaction in the classroom. • PO-IV: To enable the student teachers to understand and use formal and informal assessment strategies to evaluate and ensure the continuous intellectual social, emotional and physical development of the learners. • PO-V: To provide student teachers self-identity as a 'teacher' through school based learning experiences and reflective practices that continually evaluate the effects of their choices and actions. • PO-VI: To change the behaviour, attitude and values of teacher trainees so that they shape into responsible and accountable agents of change in the society, in the perspective of local, national and global concerns and issues vital for human survival, progress and development. • PO-VII: To provide a rich programme of curricular and extra-curricular activities for student teachers for all round development of their personalities as also those of the student	• PSO-I: Provide learning – experiences, which will enable students to understand and appreciate knowledge structures and paradigms of education. • PSO-II: Develop professionals for effective participation in educational actins in different areas of education. • PO-III: Create a community of schools adequately equipped for participation in educational discourse

PO-PSO
BACHELOR OF PHYSICAL
EDUCATION
(B.P.Ed.)



KALINGA
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(Chhattisgarh) INDIA

	PO	PSO
B.P.Ed	Bachelor Physical Education which Encourages a holistic approach based on a socio-ecological perspective. promote greater integration and balance between the social and physical sciences . contextualize physical education with a set of attitudes and values that signify the importance of movement as a valued human practice . centralize and acknowledge that the individual, in his /her search for personal meaning, once Educated in Health and Physical Education, would be able to make positive contributions to the Enhancement of Society .Promote the learning of new skills . Enhance, extend, inform and critique the deliberate use of exercise, play, sport and other forms of physical activity within and individual and societal context.	Make a unique contribution to balanced development and living. Movement being essential to be a human .Learning focused on movement and students need to be engaged in it. a medium for developing skills across diverse areas of endeavour . Fostering a pedagogy based around critical thought and action.

PO-PSO
BACHELOR OF PHARMACY
(B.PHARMA)



KALINGA
UNIVERSITY

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Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
B.Pharma	PO 1- Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices. PO 2- Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines. PO 3- Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions. PO 4- Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations. PO 5- Leadership skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being. PO 6- Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees). PO 7- Pharmaceutical Ethics: Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions. PO 8- Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions. PO 9- The Pharmacist and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice. PO 10- Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. PO 11- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.	PSO 1- Excel in professional career and/or higher education by acquiring knowledge in research and development of pharmacy principles. PSO 2- To implement pharmacy curriculum in order to provide solutions that are beneficial for the technical knowledge of research and economics. PSO 3- Exhibit professionalism, ethical attitude, communication skills, team work in their profession and adapt to current trends by engaging in lifelong learning

PO-PSO

POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS (PGDCA)



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	PO	PSO
PGDCA	PO: The programme is aimed towards building prospective career in the field of computer application. The programme is designed with the objective to provide knowledge and skills in the various aspects of computer applications and core programming. Students will also be trained in the latest trends of information technology.	PSO: This Programme equips the students with skills required for designing, developing applications in Information Technology. Students will be able to learn the latest trends in various subjects of computers & information technology

PO-PSO

BACHELOR OF TECHNOLOGY - CIVIL ENGINEERING (BTCE)



KALINGA UNIVERSITY

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Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
B.Tech Civil Engg.	PO-I: An ability to apply knowledge of Mathematics, Science and Engineering to solve practical complex problems. PO-II: An ability to identify, critically analyze, formulate and solve engineering problems using principles of mathematics, sciences, and engineering sciences. PO-III: An ability to select appropriate engineering tools and techniques and use them with skill and proficiency. PO-IV: An ability to use the modern tools, resources and IT tools for complex engineering problems. PO-V: An ability to design a system and process to meet desired needs of society within realistic limitations such as health, safety, security and environmental considerations. PO-VI: An ability to create and conduct experiments, interpret data, design of experiments and provide well informed conclusions. PO-VII: An ability to understand the impact of engineering solutions within purview of laws, in a contemporary, global, economical, environmental, and social context for sustainable development of society. PO-VIII: An Ability to develop ability to work individually and in a team as a member or a leader to develop professional ethics and leadership qualities.	PSO-I: Professional Skills Ability to utilize the knowledge of Civil Engineering in innovative, dynamic and challenging environment for design and development of new technology or concept. PSO-II: Industrial Skills Ability to impart knowledge through simulation language skills and general purpose Auto CAD packages to solve practical, design and analysis problems of components to complete the challenge of Construction. PSO-III: Practical Implementation and Testing Skills Providing different types of in house training and industry practice to develop and test the experimental setup for products with more innovative technologies. PSO-IV: Successful Career and Entrepreneurship To prepare the students with broad subject knowledge to design and develop systems and technical techniques

PO-PSO

BACHELOR OF TECHNOLOGY - COMPUTER SCIENCE (BTCS)



KALINGA UNIVERSITY

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(Chhattisgarh) INDIA

	PO	PSO
B.Tech Computer Science	• PO 1: An ability to apply knowledge of computing and mathematics appropriate to the discipline • PO 2: An ability to analyze a problem, interprets data, and defines the computing system requirements which would be appropriate to the solution. • PO 3: Ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs. • PO 4: An ability to apply creativity in the design of systems which would help to investigate the complex problem and provide software solution. • PO 5: An ability to use the computing techniques, skills, and modern system tools necessary for practice as a CSE professional • PO 6: An ability to analyze the local and global impact of computing on individuals, organizations, and society • PO 7: An ability to develop and use the software systems within realistic constraints environmental, health and safety, manufacturability, and sustainability considerations • PO 8: An ability in an understanding of professional, ethical, legal, security and social issues and responsibilities • PO 9: An ability to function effectively on teams and individually to accomplish a common goal • PO 10: An ability to communicate effectively with a range of audiences by written and oral • PO 11: Ability to plan, organize and follow best practices and standards so that the project is completed as successfully by meeting performance, quality at CMM level, budget and time • PO 12: An ability to engage in Lifelong learning and continuing professional development.	• PSO 1: Ability to employ latest computer languages, environments and platforms for solving problems in the areas of emerging communication technologies. • PSO 2: Ability to use knowledge in data analytics and mining for industrial problems

PO-PSO

BACHELOR OF TECHNOLOGY - ELECTRICAL ENGINEERING



KALINGA UNIVERSITY

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(Chhattisgarh) INDIA

	PO	PSO
B.Tech Electrical Engg.	PO1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. PO2. Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. PO3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. PO4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	• Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. • Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. • Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PO-PSO

BACHELOR OF TECHNOLOGY – ELECTRONICS & COMMUNICATION



KALINGA UNIVERSITY

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Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
B.Tech Electronics & Communication	PO-I: An ability to apply knowledge of Mathematics, Science and Engineering to solve practical complex problems. PO-II: An ability to identify, critically analyze, formulate and solve engineering problems using principles of mathematics, sciences, and engineering sciences. PO-III: An ability to select appropriate engineering tools and techniques and use them with skill and proficiency. PO-IV: An ability to use the modern tools, resources and IT tools for complex engineering problems. PO-V: An ability to design a system and process to meet desired needs of society within realistic limitations such as health, safety, security and environmental considerations. PO-VI: An ability to create and conduct experiments, interpret data, design of experiments and provide well informed conclusions. PO-VII: An ability to understand the impact of engineering solutions within purview of laws, in a contemporary, global, economical, environmental, and social context for sustainable development of society. PO-VIII: An Ability to develop ability to work individually and in a team as a member or a leader to develop professional ethics and leadership qualities.	PSO-I: Professional Skills Ability to utilize the knowledge of Electronics & Communication Engineering in innovative, dynamic and challenging environment for design and development of new technology or concept. PSO-II: Industrial Skills Ability to impart knowledge through simulation language skills and general purpose Auto CAD packages to solve practical, design and analysis problems of components to complete the challenge of Construction. PSO-III: Practical Implementation and Testing Skills Providing different types of in house training and industry practice to develop and test the experimental setup for products with more innovative technologies. PSO-IV: Successful Career and Entrepreneurship To prepare the students with broad subject knowledge to design and develop systems and technical techniques

PO-PSO

BACHELOR OF TECHNOLOGY – MECHANICAL ENGINEERING (BTME)



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(Chhattisgarh) INDIA

	PO	PSO
B.Tech Mechanical Engg.	PO1: Undertake challenges in design and development related to mechanical engineering put forth by the academia and industry. PO2: Respond to the technological changes in mechanical engineering and to foster related research in professional front to meet the needs of the society. PO3: Demonstrate professional leadership and skills to work in multidisciplinary teams, with good communication abilities and ethical values. PO4: An ability to apply knowledge of mathematics, science, and engineering. PO5: An ability to design and conduct experiments, as well as to analyze and interpret data. PO6: An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability. PO7: An ability to function on multi-disciplinary teams. PO8: An ability to identify, formulate, and solve engineering problems. PO9: An understanding of professional and ethical responsibility. PO10: An ability to communicate effectively. PO11: The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context. PO12: A recognition of the need for, and an ability to engage in lifelong learning. PO13: A knowledge of contemporary issues. PO14: An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice. PO.15 Plan, design, construct, maintain and improve mechanical engineering systems that are technically sound, economically feasible and socially acceptable to enhance quality of life. PO. 16 Apply modern computational, analytical, simulation tools and techniques to address the challenges faced in mechanical and allied engineering streams. PO. 17 Communicate effectively using innovative tools and demonstrate leadership & entrepreneurial skills. PO. 18 Exhibit professionalism, ethical attitude, team spirit and pursue lifelong learning to achieve career and organizational goals.	• Mechanical Engineering design: Achieve optimized product design utilizing the advanced knowledge in thermal engineering, material science, manufacturing, and production. • Mechanical Engineering analysis: Analyze, interpret and provide solutions to real life mechanical engineering and related problems. • Managerial excellence: Attain excellence in using managerial tools and techniques for effective and efficient manufacturing and in developing leadership skills with ethical and environmental practices. • Industrial Engineering tools implementation: Identify, define, analyse, formulate, and solve problems related to manufacturing and service systems by applying tools of Industrial Engineering. • Decision support systems: Employ computational and experimental tools for effective decision making and support purposes. • Optimised system design: Design optimised systems and process to meet desired needs within social, economic, technical, environmental, and financial constraints. • Apply knowledge of mathematics, science and engineering to analyze, design and evaluate mechanical components & systems using state-of-the-art IT tools. • Analyze problems of mechanical engineering including thermal, manufacturing and industrial systems to formulate design requirements. • Design, implement, and evaluate mechanical systems and processes considering public health, safety, cultural, societal and environmental issues. • Design and conduct experiments using domain knowledge and analyze data to arrive at valid conclusions. • Apply current techniques, skills, knowledge and computer based methods & tools to develop mechanical systems. • Analyze the local and global impact of modern technologies on individual organizations, society and culture. • Apply knowledge of contemporary issues to investigate and solve problems with a concern for sustainability and eco friendly environment. • Exhibit responsibility in professional, ethical, legal, security and social issues. • Function effectively in teams, in diverse and multidisciplinary areas to accomplish common goals. • Communicate effectively in diverse groups and exhibit leadership qualities. • Apply management principles to manage projects in multidisciplinary environment. • Pursue life-long learning as a means to enhance knowledge and skills.

PO-PSO

MASTER OF TECHNOLOGY - CIVIL (HIGHWAY/STRUCTURAL ENGINEERING)



KALINGA UNIVERSITY

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(Chhattisgarh) INDIA

	PO	PSO
M.Tech Civil (Highway/Structural Engineering)	PO-I: An ability to apply knowledge of Mathematics, Science and Engineering to solve practical complex problems. PO-II: An ability to identify, critically analyze, formulate and solve engineering problems using principles of mathematics, sciences, and engineering sciences. PO-III: An ability to select appropriate engineering tools and techniques and use them with skill and proficiency. PO-IV: An ability to use the modern tools, resources and IT tools for complex engineering problems. PO-V: An ability to design a system and process to meet desired needs of society within realistic limitations such as health, safety, security and environmental considerations. PO-VI: An ability to create and conduct experiments, interpret data, design of experiments and provide well informed conclusions. PO-VII: An ability to understand the impact of engineering solutions within purview of laws, in a contemporary, global, economical, environmental, and social context for sustainable development of society. PO-VIII: An Ability to develop ability to work individually and in a team as a member or a leader to develop professional ethics and leadership qualities.	PSO-I: Professional Skills Ability to utilize the knowledge of Civil Engineering in innovative, dynamic and challenging environment for design and development of new technology or concept. PSO-II: Industrial Skills Ability to impart knowledge through simulation language skills and general purpose Auto CAD packages to solve practical, design and analysis problems of components to complete the challenge of Construction. PSO-III: Practical Implementation and Testing Skills Providing different types of in house training and industry practice to develop and test the experimental setup for products with more innovative technologies. PSO-IV: Successful Career and Entrepreneurship To prepare the students with broad subject knowledge to design and develop systems and technical techniques

PO-PSO

MASTER OF TECHNOLOGY - COMPUTER SCIENCE (MTCS)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
M.Tech Computer Science (Object Oriented Software Development /Multimedia Technology)	• An ability to critically identify, formulate and solve Computer Engineering problems. • Demonstrate ability to work in multi-disciplinary terms. • To have knowledge of professional and ethical responsibilities. • To identify thrust area of research, design and implementation of knowledge gained. • To have confidence for education and lifelong learning. • An ability to use research based technical skills for Thesis, Projects and Publications in Conferences and/or peer reviewed journals.	• PSO 1. Use the knowledge of big data, Data communications, and networks to simulate algorithms in virtual environments and implement them on embedded platforms. • PSO2. Critically and systematically integrate knowledge to analyze, estimate solve complex problems and meet the challenges in the computer science domain.

PO-PSO

BACHELOR OF LEGISLATIVE LAW (LLB)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
LLB	[POs.1]. Critical Thinking: Explore and explain the substantial & procedural laws in which they are made / drafted and how students think and understand the legislative setup. [POs.2]. Effective Communication: Ability to learn the art of communicating and demonstrating their oral advocacy skills. Projecting the facts in a way suitable to the client and power to convince on legal reasoning forms the essence of communication in courts of law. [POs.3]. Social Interaction: Interpret And Analyze the legal and social problems and work towards finding solutions to the problems by application of laws and regulations. [POs.4]. Effective Citizenship: Inculcate values of Rights and Duties, and transfer these values to real life through legal and judicial process for promoting community welfare. [POs.5]. Ethics: Apply ethical principles and commit to legal professional ethics, responsibilities and norms of the established legal practices. [POs.6]. Environment and Sustainability: Understand the impact of the professional, legal solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development. [POs.7]. Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broader context of legal change.	[PSOs.1] Demonstrate: Demonstrate knowledge and understanding of substantive & procedural laws including various legislations and connected rules & regulations. [PSOs.2] Drafting, Counselling and Negotiation: Develop the skill of drafting or art of framing various complaints, petitions, writs, letters, using proper English format with clarity. Students therefore learn the skills of collaboration, negotiation and counselling for the ethical implementation of legal system. [PSOs.3] Building Professionalism: Understands the standards of conduct involved in practice of law and demonstrate values of legal profession. This inculcate ethical responsibilities towards clients in a legal system. [PSOs.4] Development of Interpersonal Skills: Develops the ability to analyse, synthesize and disseminate large amount of complex and disparate information comprising of legal and non-legal aspects on the working of the entire system. [PSOs.5] Future Oriented Mind: Acquire advance knowledge in the specific field of law chosen for future specialization. [PSOs.6] Understanding the Application of Laws and Regulations: Interpret And Analyze the legal and social problems and work towards finding solutions to the problems by application of laws and regulations. [PSOs.7] Opinionated about choosing different careers: Students are equipped with the knowledge of teaching methods through the subject on Teaching Pedagogy thereby enabling them to enter the teaching profession. [PSOs.8] Learn to Conduct Research Study: Through compulsory research component in the form of Dissertation, the students learn to conduct research study.

PO-PSO

BACHELOR OF ARTS - BACHELOR OF LEGISLATIVE LAW (BALLB)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
BA LLB	[POs.1]. Critical Thinking: Explore and explain the substantial & procedural laws in which they are made / drafted and how students think and understand the legislative setup. [POs.2]. Effective Communication: Ability to learn the art of communicating and demonstrating their oral advocacy skills. Projecting the facts in a way suitable to the client and power to convince on legal reasoning forms the essence of communication in courts of law. [POs.3]. Social Interaction: Interpret And Analyze the legal and social problems and work towards finding solutions to the problems by application of laws and regulations. [POs.4]. Effective Citizenship: Inculcate values of Rights and Duties, and transfer these values to real life through legal and judicial process for promoting community welfare. [POs.5]. Ethics: Apply ethical principles and commit to legal professional ethics, responsibilities and norms of the established legal practices. [POs.6]. Environment and Sustainability: Understand the impact of the professional, legal solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development. [POs.7]. Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broader context of legal change.	PSOS.1 Demonstrate: Demonstrate knowledge and understanding of substantive & procedural laws including various legislations and connected rules & regulations. PSOS.2 Drafting, Counselling and Negotiation: Develop the skill of drafting or art of framing various complaints, petitions, writs, letters, using proper English format with clarity. Students therefore learn the skills of collaboration, negotiation and counselling for the ethical implementation of legal system. PSOS.3 Building Professionalism: Understands the standards of conduct involved in practice of law and demonstrate values of legal profession. This inculcate ethical responsibilities towards clients in a legal system. PSOs.4 Development of Interpersonal Skills: Develops the ability to analyse, synthesize and disseminate large amount of complex and disparate information comprising of legal and non-legal aspects on the working of the entire system.

PO-PSO

BACHELOR OF BUSINESS ADMINISTRATION - BACHELOR OF LEGISLATIVE LAW (BBALLB)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
BBA LLB	PO-I: Introduce students to the recognized substantive areas of law, so that they are exposed to and have knowledge of fundamental legal concepts and processes within our legal system, as well as an appropriate basis for skill development. PO-II: Introduce students to a diverse range of legal skills so that they are aware of the broad range of the lawyer's function within society, and can embark upon the process of learning, analyzing, using and refining these skills. PO-III: Introduce students to the legal system and the institutional setting in which law is developed, applied and changed. PO-IV: Familiarize students with the ethical and professional responsibility dimensions of law and its practice. PO-V: Provide students with some appreciation of the social, economic, historical, political and philosophical environment in which our legal system has developed and currently operates, so they can recognize the many factors, influences and values with affect the shape and substance of the law and upon which the law in turn impacts. PO-VI: Expose students to the idea that law is only one part of a system of knowledge and to offer them opportunities for developing skills working with people and material from other disciplines. PO-VII: Demonstrate to students the human element in the practice of law.	PSO-I: Develop a deepened understanding of law in a variety of contexts. PSO-II: Display the ability to deal with different types of legal issues and laws. PSO-III: Apply critical and contextual approaches across a wide variety of subject matter. PSO-IV: Acquire necessary knowledge that is a pre-requisite to obtain Bar Council registration. PSO-V: Analyze and understand changes in regard to rule of law, economic reforms, human rights, women's rights, rights of children, elderly, sick and disadvantaged segments of the population.

PO-PSO

MASTER OF LEGISLATIVE LAW (LLM)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
LLM	1. PSO1-Demonstrate exhaustive understanding of variety of substantive and; procedural laws including various legislations and connected rules & regulations in the area of their interest. 2. PSO2-Ability of the students to analyze the legal problems from scholarly and objective point of view and work towards finding solutions to the problems by application of laws and regulations. 3. PSO3-Learn the art of doing doctrinal and empirical research which covers knowledge and implementation of various tools and techniques of research. 4. PSO4- Developed organizational skills necessary for successful functioning of law office including art of categorizing and organizing documents including prioritizing work, managing time, using forms and maintaining bill data.	1. PO1-Explore and explain the substantial & procedural laws in which they are made/ drafted and how students think and understand the legislative setup. 2. PO2-Interpret And Analyze the legal and social problems and work towards finding solutions to the problems by application of laws and regulations. 3. PO3-Students are equipped with the knowledge of teaching methods through the subject on Teaching Pedagogy thereby enabling them to enter the teaching profession. 4. PO4-Apply ethical principles and commit to legal professional ethics, responsibilities and norms of the established legal practices. 5. PO5-Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broader context of legal change.

PO-PSO

MASTER OF ARTS - ECONOMICS
(MA)



KALINGA

UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
MA Economics	PO1: To provide the students with a unique opportunity of obtaining a professional qualification in economics focusing on the advanced practical areas. PO2: Understand basic concepts of economics and to analyze economic behaviour in practice PO3: Understand the economic way of thinking. PO4: The ability to analyze historical and current events from an economic perspective. PO5: The ability to write clearly expressing an economic point of view. PO6: Students will be able to effectively communicate economic ideas.	PSO1: Be exposed to alternative approaches to economic problems through exposure to coursework in allied fields. PSO2: To create students ability to suggest of the various economic problems PSO3: To develop comprehensive understanding of interdisciplinary issues and aspects of society. PSO4: Economics majors will be able to apply advanced microeconomic and macroeconomic theories to explain the behaviour of individuals, businesses, and industries in market-based systems and the challenges of developing economies. PSO5: Economics majors will be able to explain the role of government in the economy, including taxing, spending, regulating and producing. PSO6: Predict the impact of fiscal and monetary policy – use of deficits, changes in the money supply, etc. – on overall economic performance. PSO7: Explain and discuss the determinants of economic growth. Discuss the costs and causes of unemployment, and assess public policies to ameliorate it.

PO-PSO

**MASTER OF ARTS - ENGLISH
(MA)**



**KALINGA
UNIVERSITY**

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
MA English	Developing intellectual, personal and professional abilities through effective communicative skills; ensuring high standard of behavioural attitude through literary subjects and shaping the students socially responsible citizens.	PSO1: On successful completion of the Programme, the students will be accurate both in oral and written communication as they will be strong in Grammar and its usage.
		PSO2: They can express a thorough command of English and its linguistic structures.
		PSO3: They can apply critical frameworks to analyze the linguistic, cultural and historical background of texts written in English.
		PSO4: They will be familiar with the conventions of diverse textual genres including fiction, non-fiction, poetry, autobiography, biography, Journal, film, plays, editorials etc.

PO-PSO

MASTER OF ARTS - HINDI (MA)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
M.A. Hindi	1- vius xkSjo”kkyh bfrgkl] ijEijk vkSj laLd`fr ls ifjfpr gksus vkSj jpukRed fodkl ds fy, lkfgR; dk v/;;uA</p> <p>2- fgUnh Hkk’kk vkSj lkfgR; dh xkSjo”kkyh miyfC/k;ksa ls ifjfpr gksus vkSj ledkyhu ifjn`”; esa mlls izsfjr gksus ds fy, v/;;uA ftlls folkFkhZ vius thou esa vkus okyh izR;sd pqukSfr;ksa dk MVdj eqdkcyk dj ldsaA 3- ekuoh; xq.kksa dk fodkl] laosnu”khyrk] vkSj lkeqnkf;drk dh Hkkouk fodflr djus ds fy, lkfgR; dk v/;;uA 4- vkRecks/k] le;cks/k] lektcks/k ds lkFk lekykspukRed fparu dh {kerk vkSj dYiuk “kfDr esa n{krk fodflr djus ds fy, lkfgR; dk v/;;uA ftlls folkFkZ;ksa dh thou n`fV fodflr gks ldsa vkSj os lekt esa ftEesnkj ukxfjd dh Hkwfedk dk fuoZg.k dj ldsaA	1- folkFkZ;ksa esa lkfgR;d vfHk:fp mRiUu djukA 2- folkFkZ;ksa esa dyk laLd`fr vkSj viuh xkSjo”kkyh ijaijk ds izfr :fp fodflr djukA</p> <p>3- ykstdyk] yksdlaLd`fr vkSj yksdlkfgR; ds fofo/k vk;ke ls ifjfpr djukA 4- lkfgR;;] dyk] i=dkfjrk] fgUnh Hkk’kk ,oa yksdlkfgR; ds u, rF;ksa dks tkuus vkSj [kkstus ds fy, “kks/k vfHk;ksX;rk fodflr djukA

PO-PSO

MASTER OF ARTS - SOCIOLOGY (MA)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
MA Sociology	1. Learning basic concepts of Sociology 2. Evaluating the structure, mechanism, basic social institutions of society. 3. Implementing the basic methods of research 4. Gaining knowledge of Indian social problems 5. Examining the basics of Rural and urban India 6. Analysing the basics of social change in modern Indian society: 7. Understanding the basics of modern sociological theory:. 8. Gathering knowledge of the co-relation between environment and society 9. Accessing the facts related to Industrial development it's effects 10. Realizing the basics of human rights: Issues of Weaker Section and Ethnic Minorities, Gender Discrimination, Domestic Violence and Rape, Human Rights of Mentally and Physically Challenged Person 11. Discovering the methods of writing the dissertation and the basic methods of field work 12. To learn basic methods of field work	1. Basic knowledge of Sociology as a social science 2. Understanding the basic system of society 3. The traditional and contemporary institutional arrangements of the society 4. The real know-how of structural patterns of the social system 5. Responsiveness towards providing solutions to various social problems including gender problems, challenges of globalizations or human rights violation problems 6. Community participation in mitigating environmental problems 7. Awareness of implementation of rural urban developmental programs 8. Utility of implementing the basics of modern sociological theory i. e. Phenomenology, post modernism to real life situations and understanding social issues. 9. Relevance of research, field study, writing research report and social work

PO-PSO

MASTER OF BUSINESS ADMINISTRATION (MBA)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
MBA	PO1- Educated and prepare a diverse group of students with the knowledge, analytical ability and management skills to be successful in the competitive business world. PO2- To prepare students for careers in management and leadership both in private and public sectors. PO3- Summarise significant different business practices in different industry and in different part of the world. PO4- Demonstrate effective written forms of communication and oral business presentation. PO5- Identify and analysis ethical responsibility of business PO6- Apply decision making techniques both quantitative and qualitative analysis to management issue. PO7- Implement leadership skills to work effectively within the diverse teams. PO8- Integrative and experiential learning to analysis and synthesize information cross disciplines in order to evaluate business opportunities and make sound business decisions.	PSO 1- Provide qualified and experienced faculty. PSO 2- Opportunity in research and consultancy projects undertaken by the institutions. PSO 3- Exposure to Guest Speaker from the Leading and Reputed Industry. PSO 4- Participation in various national and international seminars. PSO 5- Participation in workshop and other related events. PSO 6- Intensive training and soft skills PSO 7- Interaction with Business Leader can explore new technologies such as Big data, Machine learning, artifice learning and enabling new ideas and business decision. PSO 8- Specific skills for Start up and Entrepreneurship like generating new start up, venture capital etc. PSO 9- Knowledge about financing, managing and marketing new ventures. PSO 10- Complete capsule of Knowledge sustaining the start up.

PO-PSO
MASTER OF COMMERCE
(M.Com)



KALINGA
UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
M.Com	PO-I: The outcome of this Programme is to systematic and rigorous learning and exposure to Banking and Finance related disciplines. PO-II: The main outcome of this Programme is to train the student to develop conceptual, applied and research skills as well as competencies required for effective problem solving and right decision making in routine and special activities relevant to financial management and Banking Transactions of a business. PO-III: The all-inclusive outlook of the course offer a number of value based and job oriented courses ensures that students are trained into up-to-date. In advanced accounting courses beyond the introductory level, affective development will also progress to the valuing and organization levels. PO-IV: The course is tailor-made for aspirants of banking and insurance and other banking courses in the domain of commerce by drawing rich academic inputs from contemporary syllabus reflecting recent developments.	PSO- I: Impart the students with higher level knowledge and understanding of contemporary trends in commerce and business finances PSO-II: Equip the students to evaluate environmental factors that influence business operation with the conceptual requirements and skills on preparation and interpretation of financial statements PSO-III: Prepare the students to apply Statistical methods and proficient use of tools for modeling and analysis of business data PSO –IV: Facilitate the students to apply capital budgeting techniques for investment decisions PSO-V: Prepare students to appraise the structure and operations of banking system

PO-PSO

MASTER OF COMPUTER APPLICATION (MCA)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
MCA	PO 1. Develop an ability to apply knowledge in the computing discipline. PO 2. Develop ability to design and conduct experiments, as well as interpret data PO 3. Develop ability to demonstrate team work with the ability of leadership, analytical reasoning for solving time critical problems and strong human values for responsible professional. PO 4. Develop ability to use current technologies, skills and models for computing practice. PO 5. Develop ability to communicate ideas effectively.	PSO 1. Develop class environment congenial and competitive for generation of ideas, innovation and sharing. PSO 2. To make graduates understand cross cultural, societal, professional, legal and ethical issues prevailing in industry.

PO-PSO

MASTER OF ARTS - EDUCATION (MA)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
MA Education	• Provide learning – experiences, which will enable students to understand and appreciate knowledge structures and paradigms of education. • Develop expertise for effective participation in educative process in different capabilities. • Create a community of schools adequately equipped for participation in educational discourse with stronger commitments.	• Use of critical reflection to explore the relationship between theory and practice in complex situations • Bring ability to analyses, judge and critique complex or contradictory areas of wisdom, varied practices, • Think creatively and flexibly to synthesize and transform variety of practicable ideas.

PO-PSO

MASTER OF ARTS - GEOGRAPHY (MA)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
MA Geography	1. Understand the nature, scope and significance of geomorphology and fundamental concepts in subject. 2. To examining the Origin and Evolution of the earth primary relief features by different theories in subject. 3. Understand about Exogenous Processes considering weathering and mass wasting and nature and types of the slope. 4. Evaluate the fundamental Model of Davisian Cycle of Erosion to learn the function of river and its landforms development process. 5. Understand formation, process and development of Fluvial and Karst Landforms To recognize and understand the formation, process and development of Glacial and Aeolian Landforms in geomorphology	1. Serve as a Geographer 2. Work as a teacher in colleges, schools and high schools 3. Serve as conservator in forest, Soil, Agricultural Departments. 4. Work in disaster and water resources management. 5. Serve in forest department as forest conservator. 6. Serve in cartographer in map making divisions of Government. 7. Work in NGOs. 8. Can Prepare for Competitive exams

PO-PSO

MASTER OF ARTS - HISTORY (MA)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
MA History	1. Important outcome of the Master of Arts in Political Science would be providing the students an advanced level of understanding of political system, decision making process and procedures, institutions and policies at all levels of government. 2. In terms of its contents, students would be obtaining knowledge on political ideas of Indian and western thinkers, comparative politics, international relations, political theory, social movements and state politics in India, peace and conflict in international politics etc. 3. Learners would be acquiring skills in political analysis as well as sharpening their critical and analytical abilities. They would be applying critical thinking, independent judgement, intellectual sensitivity and regional, national and global perspectives to identify and solve problems in the discipline of the Political Science. 4. The students would be demonstrating a broad and coherent body of knowledge with depth in the underlying principles and concepts. 5. Also developing a sound base in political studies by an in-depth investigation into broad range of political phenomena at the local, national and international levels.	1. Students will acquire a working knowledge of the Indian political system. This will include gaining an understanding of the nation's political institutions, political culture, and political ideologies, as well as how public policy is decided upon and implemented. 2. Students will come to understand that there are various types of political systems around the world, and that these may differ from each other with regard to their individual political institutions, political culture, political ideologies, and public policies. 3. Students will learn about the concepts, theories and data needed to comprehend the interactions of nations that constitute international relations, and the nature of such global institutions as the United Nations, regional alliances, and international law. 4. Students will become aware of the crucial questions raised by classical and contemporary political philosophers, and of some of the solutions proposed by them to answer fundamental questions about the role of politics in human life. 5. Students will come to understand the means of inquiry in the social sciences generally, and in political science in particular. This will include an understanding of how knowledge about politics and government is generated by political scientists working within their discipline. 6. Post graduates will elicit views of others, mediate disagreement and help reach conclusions in group settings. Demonstrate empathetic social concern and equity centred national development and the ability to act with an informed awareness of issues and participate in civic life through volunteering. 7. Students will be prepared to take entry level jobs in the public or private sectors, create capability to acquire any reputed professional career in country and abroad.

PO-PSO

MASTER OF ARTS - MATH (MA)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
M.A. Math	PO1. Get a strong knowledge in mathematical sciences which include courses from Mathematics. PO2. Select a successful career in the sectors such as teaching, research, banking, planning and higher education, administrative service and for the advance study. PO3. Exhibit professionalism, ethics, communication skills, team work in their profession and adapt to current scenario by engaging in lifelong learning for the service of the society.	PSO1. Solve problems through analytical thinking. PSO2. Apply knowledge of mathematics to solve various real life problems. PSO3. Formulate mathematical models to interpret and analyze data for interdisciplinary research and development. PSO4. Solve various mathematical problems by using relevant mathematical and statistical software. PSO5. Exhibit strong ethical and professional responsibility.

PO-PSO

MASTER OF ARTS - POLITICAL SCIENCE (MA)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
MA Political Science	• The students will understand the impact of Arts on Society. • The students will be able to perform job in different fields such as education, banking, LIC, business, public service, politics, policy making, self-employed etc. where qualities of precision, analytical mind, logical thinking, clarity of thought, qualitative and quantitative decision are required. • The students will become successful professional by demonstrating logical and analytical ability. • The students will work and communicate efficiently in interdisciplinary environment. • The students will become successful to solve the current problems prevailing in the State, National and World level. • A student will become successful social-worker, politician, writer, speaker. • A student will become productive citizens dedicating to serving their communities, their nations and the world. • This programme in Political Science will become life long learners as they become cognizant of the institutions and processes of governance and the policies and historical and current event which shape their lives.	• An ability to apply knowledge of Political Science with other social sciences. • An ability to communicate effectively. • An ability to identify, formulate and solve political problems at State, National and International Level. • The broad education necessary to understand the impact of politics in a global, economic, environmental and social context. • An ability to use the techniques, skill and ideas necessary for effective leaders.

PO-PSO

MASTER OF SCIENCE - MATH (M.Sc)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
M.Sc Math	PO1. Get a strong knowledge in mathematical sciences which include courses from Mathematics. PO2. Select a successful career in the sectors such as teaching, research, banking, planning and higher education, administrative service and for the advance study. PO3. Exhibit professionalism, ethics, communication skills, team work in their profession and adapt to current scenario by engaging in lifelong learning for the service of the society.	PSO1. Solve problems through analytical thinking. PSO2. Apply knowledge of mathematics to solve various real life problems. PSO3. Formulate mathematical models to interpret and analyze data for interdisciplinary research and development. PSO4. Solve various mathematical problems by using relevant mathematical and statistical software. PSO5. Exhibit strong ethical and professional responsibility.

PO-PSO
MASTER OF LIBRARY
(M.LIB)



KALINGA
UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
M.Lib	P O 1:- Apply the skills and attitudes of visioning entrepreneurship advocacy, planning and management to leadership in the information field. P O 1:- Apply the skills and attitudes of visioning entrepreneurship advocacy, planning and management to leadership in the information field. P O 1:- Apply the skills and attitudes of visioning entrepreneurship advocacy, planning and management to leadership in the information field. P O 1:- Apply the skills and attitudes of visioning entrepreneurship advocacy, planning and management to leadership in the information field.	P S O 1:- Articulate a philosophy of ethical and client centred information services for the library and information professions. P S O 2:- Explain and implement the development, maintenance, and management of collections and resources to meet specific information needs. P S O 3:- Explain use, maintain and develop systems to organize and retrieve recorded knowledge. P S O 4:- Employ current and emerging technologies of fictively for communication and to search for identify repackaged and deliver information resources.

PO-PSO

MASTER OF SCIENCE - BIOTECHNOLOGY (M.Sc)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
M.Sc Biotechnology	Programme outcome of M.Sc. Biotechnology is to produce skilled biotechnologist's who can employ and put into practice their knowledge base in quality processes and applications which will greatly influence or utilized for existing standard of agriculture, industry, healthcare and environment control to provide sustainable competitive perimeter to current society. Students will be eligible for doing jobs in various sectors of pharmaceutical, agricultural and biotechnological industry.	• Students will be able design, conduct experiments, analyze and interpret data for investigating problems in Biotechnology and allied fields. • Higher studies (M.Phil, Ph.D) can be pursued in order to achieve research positions. Various examinations such as CSIR-NET, ARS-NET, SET, GATE, ICMR, DBT and many other provide fellowships for pursuing Ph.D. • Student can avail junior scientist position in various research and developmental labs. • Students can become Production Officer and Technical Assistant in biotechnology, pharmaceutical Companies, bio fertilizer industry, aquaculture industries, environmental units, crop production units, food processing industries, and national bio-resource development firms. • Some of the major pharmaceutical and drug companies' highering biotechnological professionals include Ranbaxy, Biocon, Genei and Dr Reddy's Labs, food processing industries, Milk industry, chemical industry and textile industry. • Beside these industries also employ bio-technologist in their marketing sectors to enhance business. • Beside industrial sector there are abundant opportunities in academics. • Several career opportunities are available for students with biotechnology background abroad especially in countries like Germany, Australia, Canada, USA, and Malaysia. • Biotechnology entrepreneur often starts with a technical background, most commonly including scientific laboratory research and may receive financial support from venture capitalists.

PO-PSO

MASTER OF SCIENCE - BOTANY (M.Sc)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
MSc. Botany	PO-I: Students know about different types of lower & higher plants their evolution in from algae to angiosperm & also their economic and ecological importance. PO-II: Student can describe morphological & reproductive characters of plant and also identified different plant families and classification. PO-III: Understand the issues of environmental contexts and sustainable development PO-IV: Cell biology gives knowledge about cell organelles & their functions PO-V: Molecular biology gives knowledge about chemical properties of nucleic acid and their role in living systems. PO-VI: Genetics provides knowledge about laws of inheritance, various genetic interactions, chromosomal aberrations & multiple alleles. Structural changes in chromosomes. PO-VII: They know economic importance of various plant products & artificial methods of plant propagation PO-VIII: Use modern Botanical techniques and decent equipments. PO-IX: To develop the scientific temperament in the field of plant science.	PSO-I: Application of knowledge and techniques of plant sciences related to biological sciences. PSO-II: Students acquire fundamental Botanical knowledge through theory and practical's. PSO-III: Perform procedures as per laboratory standards in the areas of Plant Biotechnology, Biochemistry, Bioinformatics, Taxonomy, Economic Botany and Ecology. PSO- IV: To know advance techniques in plant sciences like tissue culture, Phytoremediation, plant disease management, formulation of new herbal drugs etc.

PO-PSO

MASTER OF SCIENCE - CHEMISTRY (M.Sc)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
MSc. Chemistry	PO 1- Introduce the basic concepts, fundamental principles, and the theories related to various scientific phenomena and their relevancies in the day-to-day life. PO 2- Realize how developments in the interdisciplinary fields help in the development of other science subjects and vice-versa and provides better solutions for the sustainable development. PO 3- Acquire the skills in handling scientific instruments, planning and performing experiments and drawing logical inferences from the scientific experiments. PO 4- Develop flair by participating in various social and cultural scientific activities voluntarily, in order to spread knowledge, creating awareness about the recent innovations in science and technology etc. PO 5- Develop various communication skills such as reading, listening, speaking, etc., which will help in expressing scientific ideas and views clearly and effectively. PO 6- Realize that pursuit of knowledge is a lifelong activity and in combination with untiring efforts and positive attitude and other necessary qualities leads towards a successful life.	PSO 1- Provide a broad foundation in chemistry that stresses scientific reasoning and analytical problem solving with a molecular perspective. PSO 2- Achieve the skills required to succeed in the chemical industry and professional school. Get exposures of a breadth of experimental techniques using modern instrumentation. PSO 3- Understand the importance of the Periodic Table of the Elements, how it came to be, and its role in organizing chemical information. PSO 4- Understand the interdisciplinary nature of chemistry and to integrate knowledge of mathematics, physics, biology and other disciplines to a wide variety of chemical problems. PSO 5- Learn the laboratory skills needed to design safely and interpret chemical research. PSO 6- Acquire a foundation of chemistry of sufficient breadth and depth to enable them to understand and critically interpret the primary chemical literature. PSO 7- Develop the ability to communicate scientific information and research results in written and oral formats.

PO-PSO

MASTER OF SCIENCE - PHYSICS (M.Sc)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
M.Sc Physics	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives. Effective Communication: Speak, read, write and listen clearly in person and through electronic media and make meaning of the world by connecting people, ideas, books, media and technology. Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in-group settings. Effective Citizenship: Demonstrate empathetic social concern and equity-centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering. Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them. Environment and Sustainability: Understand the issues of environmental contexts and sustainable development. Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.	Postgraduates will develop the critical analysis and problem-solving skills required in the application of principles of Physics. Escalating sufficient academic and realistic background/understanding of physics as per UGC framework. Understanding fundamental concepts of classical and statistical mechanics to put in plain words the explanation of physical events with appreciable limitations. Refreshing the concepts of electrodynamics, condensed matter physics, Nuclear & particle physics, atomic & molecular physics for better understanding of advanced physical concepts. Understanding in detail the basic and advanced concepts of quantum mechanics because the nature is governed by regulations of quantum mechanics the essential features of electronic devices and related techniques to have a perceptive of many household electronic devices and Performing handful of experiments/projects as per program framework. Understanding advanced and special/elective subjects like plasma physics, lasers, advanced electronics and their applications for welfare of mankind. Postgraduates will be prepared with a working knowledge of experimental/computational techniques and instrumentation required to work independently in research or industrial environments. Postgraduates will have strong capability in organizing and presenting the acquired knowledge coherently both in oral and written discourse. Postgraduates will successfully compete for current employment opportunities.

PO-PSO

MASTER OF SCIENCE - ZOOLOGY (M.Sc)



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur-49210
(Chhattisgarh) INDIA

	PO	PSO
M.Sc Zoology	PO-1. Aims to equip students with recent advances in Zoology from organismic to reductionist biology. PO-2. Demonstrate, solve and an understanding of major concept of all physiological activities in various disciplines of Zoology such as Entomology (study of insects) Ichthyology (detailed study of fishes including their habit and habitat) Ornithology (study of birds including migration of birds which fascinates the students). PO-3. Empower students to understand the challenges of society and the country that falls into the realms of Zoology, such as Aquaculture, Reproductive health, Behavior and Biological time keeping, Cancer Biology, Microbiome and their roles in health and diseases, etc. PO-4. Understanding the evolutionary processes through origin of life from acellular animal (Protozoa) to multicellular organisms (from dinosaur to humans), history of phylum etc. PO-5. Create an awareness of the impact of Zoology on the environment, society, and development outside the scientific community. To study the ecological phenomenon from ecosystem to protection of endangered species by in-situ and ex-situ conservation. The process of survival in different environment via adaptation. Knows the concept, process, physiology, and molecular basis of animal development. Also knows the methods of cultivation & economic importance of various species, honeybees, lac insects, fruit fly, vermiculture etc. PO-6. To inculcate the scientific temperament in the students through field visits for the biodiversity, bird watch etc. and outside the scientific community. PO-7. To accelerate the use of modern techniques and knowledge of various equipment's such Phase contrast microscopy for living cell observation, electron microscopy for highly definition images and various biochemical instruments such as electrophoresis, NMR, centrifuge biochemical assay.	PSO-1. Students would sufficiently be skilled and empowered to solve the problems in the realms of Zoology and its allied areas. PSO-2. Gain the knowledge of Zoology through theory and practical's. PSO-3. Understand the testing of hypothesis and different behavior patterns of animals. PSO-4. Use modern Zoological tools, Models, Charts and Equipment. PSO-5. They would have plethora of job opportunities in the education, environment, agriculture-based, and health related sectors. PSO-6. Understand good laboratory practices and safety. PSO-7. The bright and ignited mind may enter into research in the contemporary areas of Zoological /Biological Sciences. PSO-8. The broad skills and the deeper knowledge in the field would make them highly successful and excellent researcher in advanced areas of research in the Biological sciences.

PO-PSO
M.PHIL
COMMERCE & MANAGEMENT



KALINGA
UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

	PO	PSO
M.Phil Commerce & Management	• Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. • Demonstrate the ability to teach college-level courses in their area of specialization.	• Acquired the knowledge in the field of commerce • Familiarize the students about the promotion of human relations • Provide a source of inspiration by appearing competitive exams • Understand the emerging changes in the field of Foreign Trade and Commerce • Acquired the knowledge about placement • Know the Social responsibilities of business

**PO-PSO
M.PHIL
COMPUTER SCIENCE**



**KALINGA
UNIVERSITY**

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

M.Phil Computer Science	• Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. • Demonstrate the ability to teach college-level courses in their area of specialization.	• Discuss major categories, techniques, and processes of doing research in Computer science. • Design the use of major experimental methods of Computer Science research, especially surveys, testing, comparisons, case studies, and experiments • Implement a small research project in an area of computer science. • Present and report on research in acceptable manner for the computer science research community.
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**PO-PSO
M.PHIL
EDUCATION**



**KALINGA
UNIVERSITY**

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

M.Phil Education	• Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. • Demonstrate the ability to teach college-level courses in their area of specialization.	• Distinguish various aspects of higher education-- including perspectives on its past, present, and future. • Interpret and communicate knowledge of higher education that informs research, policy, and professional practice. • Demonstrate competence in designing, conducting, and communicating (including written form) research that generates new knowledge. • Identify and address ways in which power operates in higher education, and has been differentially distributed by race and by other marginalized social identities.
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**PO-PSO
M.PHIL
ENGLISH**



**KALINGA
UNIVERSITY**

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

M.Phil English	• Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. • Demonstrate the ability to teach college-level courses in their area of specialization.	• To introduce the students to new areas of research. • To help develop critical thinking in students. • To introduce the students to the fundamentals of research. • To equip the student to undertake field work and data collection. • To help students theorize their engagements with literary texts and other modes of representation. To equip students understand how to do theory, Create an interface between reading theory and literary texts • To help students understand the need to conceptualize literary discourse • To help students theorize their engagements with contemporary cultural discourses. • To equip students understand how to do cultural studies, Create an interface between reading theory and cultural texts • To help students understand the need to conceptualize cultural discourses
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**PO-PSO
M.PHIL
HINDI**



**KALINGA
UNIVERSITY**

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

M.Phil Hindi	• Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. • Demonstrate the ability to teach college-level courses in their area of specialization.	• Introduction to the research methodology particular to the area of research. • To introduce and stress a comparative/contrastive approach to research. • Updating knowledge in areas of research through advanced level courses in those areas. • To help students theorize their engagements with literary texts and other modes of representation. • To equip students understand how to do theory • Create an interface between reading theory and literary texts • To help students understand the need to conceptualize literary discourse
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**PO-PSO
M.PHIL
LIBRARY & INFORMATION SCIENCE**



**KALINGA
UNIVERSITY**

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

M.Phil Library & Information Science	• Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. • Demonstrate the ability to teach college-level courses in their area of specialization.	• To educate LIS capable of taking scholarly and critical approaches to understanding issues in Library and Information Science and related fields. • To prepare, analyses and interpret professional and scholarly literature, research data and information resources to articulate their implications for LIS and related fields of knowledge and practice • To educate professionals who are prepared to lead in the discipline and profession and who are committed to lifelong learning • To educate LIS professionals capable of relating the practices and roles of individual librarians and information professionals to broader organizational, professional, political, economic, social and technological contexts. • To prepare graduates to select, evaluate, and use current and emerging information and communication technologies in constantly changing information workplaces • To prepare graduates to navigate, evaluate, and use information in a range of different information environments. • To educate LIS professionals capable of applying their knowledge of the broader organizational, professional, political, economic, social and technological contexts to the development and evaluation of effective and appropriate user-centered information systems, services, and resources
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**PO-PSO
M.PHIL
MATHEMATICS**



**KALINGA
UNIVERSITY**

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

M.Phil Mathematics	• Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. • Demonstrate the ability to teach college-level courses in their area of specialization.	• Students understand the concept of topological vector spaces. • Student will recall and understand fundamental concepts in functional analysis. • Students will understand the concepts of roundedness and continuity, seminars and local • Convexity. • Student will understand the concepts of weak topologies, compact convex sets and zoomorphic functions • Students will understand nature of duality in Banach spaces, Ad joints and compact operators.
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**PO-PSO
M.PHIL
BIOTECHNOLOGY**



**KALINGA
UNIVERSITY**

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

M.Phil Biotechnology	• Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. • Demonstrate the ability to teach college-level courses in their area of specialization.	• Demonstrate fundamental and advanced technical knowledge of biotechnology. • Proficiency at practical works in biotechnology, and be aware of modern bioanalytical techniques and their limitations. • Prepare the students to undertake a research project which requires an understanding of a wide range of techniques and published literature, originality in the application of knowledge, and some degree of self-direction. • Additionally, they will be aware of the best practices in research data management and understand the scientific publishing process as well as the need to be able to communicate science in outreach contexts.
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**PO-PSO
M.PHIL
ECONOMICS**



**KALINGA
UNIVERSITY**

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

M.Phil Economics	• Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. • Demonstrate the ability to teach college-level courses in their area of specialization.	• To enabled the students to understand and identify recent economic theories and policy developments. • To make students acquaint with the existing environmental issues and their impacts over social, economic and political life • To make students understand the key actors, institutions and political process that characterise and shape South and Central Asian environmental politics.
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PO-PSO M.PHIL HISTORY



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

M.Phil History	• Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. • Demonstrate the ability to teach college-level courses in their area of specialization.	• Capacity to explain how and why important events happen • Understanding of the historical method of study • A clear understanding of evidence collected from historical sources • Critical understanding of developments in historiography • Knowledge of the history of the India and 20th Century Modern World • Informed familiarity with multiple cultures and diversity • Awareness of current historical debates • Understand the skills that historians use in research
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PO-PSO M.PHIL LAW



KALINGA UNIVERSITY

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

M.Phil Law • Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. Demonstrate the ability to teach college-level courses in their area of specialization.	• Demonstrate knowledge and understanding of substantive & procedural laws including various legislations and connected rules & regulations. • Drafting, Counseling and Negotiation: Develop the skill of drafting or art of framing various complaints, petitions, writs, letters, using proper English format with clarity. Students therefore learn the skills of collaboration, negotiation and counseling for the ethical implementation of legal system. • Building Professionalism: Understands the standards of conduct involved in practice of law and demonstrate values of legal profession. This inculcates ethical responsibilities towards clients in a legal system. • Development of Interpersonal Skills: Develops the ability to analyse, synthesize and disseminate large amount of complex and disparate information comprising of legal and non-legal aspects on the working of the entire system.
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**PO-PSO
M.PHIL
POLITICAL SCIENCE**



**KALINGA
UNIVERSITY**

KALINGA UNIVERSITY

Kotni, Near Mantralaya, Naya Raipur – 492101 (Chhattisgarh) INDIA

M.Phil Political Science	• Develop substantive knowledge in their area of specialization. • Master the analytical and methodological skills required to evaluate and conduct research in their area of specialization and related areas. • Design and conduct original research in their area of specialization. • Demonstrate the ability to communicate the results of their research in a clear and effective manner. • Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds. • Demonstrate an understanding and concern for the high ethical standards in business research, teaching, and service. • Demonstrate the ability to teach college-level courses in their area of specialization.	• Develop and deepen the current and advanced knowledge in the field with original thought and/or research and come up with innovative definitions based on Master's degree qualifications. • Evaluate and use new information within the field in a systematic approach. • Develop an innovative knowledge, method, design and/or practice or adapt an already known knowledge, method, design and/or practice to another field; research, conceive, design, adapt and implement an original subject. • Critical analysis, synthesis and evaluation of new and complex ideas. • Gain advanced level skills in the use of research methods in the field of study. • Contribute the progression in the field by producing an innovative idea, skill, design and/or practice or by adapting an already known idea, skill, design, and/or practice to a different field independently. • Demonstrate leadership in contexts requiring innovative and interdisciplinary problem solving. • Develop new ideas and methods in the field by using high level mental processes such as creative and critical thinking, problem solving and decision making.
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