VALUE ADDED COURSES

2018-2019

SL NO	NAME OF THE COURSES	LINK
1	Understanding Clinical Research	CLICK HERE
2	Psychopharmacology	CLICK HERE
3	MS Office	CLICK HERE
4	Health Informatics	CLICK HERE
5	Granulation Texchnology	CLICK HERE
6	Digital Marketing and pharmacy	CLICK HERE
7	Design Thinking for Business Strategy	CLICK HERE
8	Data Management for Clinical Research	CLICK HERE
9	Current Affairs in Medical Field	CLICK HERE
10	Biopharmaceutical Science	CLICK HERE
11	Basics of Diagnostic Pathology	CLICK HERE
12	Advanced Excel	CLICK HERE

KRUPANIDHI COLLEGE OF PHARMACY

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NAAC 'A' accredited

Krupanidhi College of Pharmacy is conducting a Value added course on

ADVANCED EXCEL

Excel

Starts on 1/10/2018

Contact

Co - Ordinator
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Student Co - Ordinator
Vinutha
+919742612087

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelram Post,
Varthur Hobli, Bangalore - 560 035

IQAC
Krupanidhi College of Pharmacy
Date:
Bangalore-35

Last date for registration is 29/09/ 2018

VALUE ADDED COURSE: ADVANCED EXCEL

SYLLABUS

2018-2019

Course Learning Objectives:

Following are the objectives of the course:

- To train students with the essentials excel skills for business in creating effective spreadsheets and manage large sets of data.
- To familiarize students with the highly sought after functions in creating dynamic reports with Excel Pivot tables.
- To equip students to automate day to day Excel tasks by mastering the power of Macros and VBA.

Pre-requisites for the Course:

- Students must have fair access to Windows version of Microsoft Excel 2010.
- Basics of MS-Office and interest to acquire skills to manage datasets efficiently.

Course Description:

Students develop advanced Excel Skills for Business
- Students acquire the skills to manage large datasets efficiently, extract meaningful information from datasets, present data and extract information effectively.
- Students master the skills needed to validate data, prevent errors in spreadsheets and create spreadsheets that help forecast and model data.
- Analyze data & present the results in a user-friendly way.
- Create charts and tables that effectively summarize raw data.

Course Learning Outcomes:

At the end of the course, the students will be able to:
- Develop data analysis skills using Advanced Excel
- Design sophisticated spreadsheets and perform complex calculations
- Acquire the skills to manage large datasets efficiently, extract and present meaningful information from datasets.
- Develop aptitude for data modeling and create dynamic reports.

Course Content and Structure

MODULE ONE: **6 HOURS**

MICROSOFT EXCEL FUNDAMENTALS: Entering and Editing Text and Formulas - Work with Basic Excel Functions - Modifying an Excel Worksheet - Formatting Data in an Excel Worksheet - Inserting Images and Shapes into an Excel Worksheet - Creating Basic Charts in Excel - Viewing your Document in Print Preview - Working with Excel Templates.

MODULE TWO: **6 HOURS**

WORKING WITH AN EXCEL LIST: Excel List Functions - Excel Data Validation - Importing and Exporting Data - Excel Pivot Tables - Working with Excel's PowerPivot Tools - Working with Large Sets of Excel Data.

MODULE THREE: **6 HOURS**

WORKING WITH EXCEL'S CONDITIONAL FUNCTIONS: Working with Excel's Lookup Functions - Working with Excel's Text Based Functions - Auditing an Excel Worksheet Protecting Excel Worksheets and Workbooks -Mastering Excel's "What If?" Tools - Automating Repetitive Tasks in Excel with Macros.

MODULE FOUR: **6 HOURS**

MICROSOFT EXCEL MACROS: Using Excel's Macro Recorder Tool - Excel VBA Concepts - Moving Beyond the Basics and into VBA - Preparing and Cleaning up Data with a Little VBA - Using VBA to Automate Excel Formulas - Bringing it all together and a weekly report - Working with Excel VBA User Forms - Importing Data from Text Files.

MODULE FIVE: **6 HOURS**

DATA ANALYSIS WITH PIVOT TABLES: Raw data structure in Excel - Pivot Table layouts and styles - Sorting, Filtering, and Grouping Data with Pivot Tables - Enriching Data with Pivot Table Calculated Values and Fields - Visualizing Data with Excel Pivot Charts - Excel Pivot Table Case Studies.

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KRUPANIDHI COLLEGE OF PHARMACY

Is conducting a value added course on

BASICS OF DIAGNOSTIC PATHOLOGY

Starts on 3/12/2018

co-ordinator
Ashwini alur
9535165408

Student co-ordinator
Usha
9036622636

Registration available
until 1/12/2018

PRINCIPAL
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IQAC
Date:
Krupanidhi College of Pharmacy
Bangalore-35

AY: 2018-2019

Syllabus: Basics of Diagnostic Pathology

Total: 36 hrs

Introduction to Human Pathology and Diagnostic Medicine	1Hrs
Cytoskeleton and the Extracellular Matrix: "Scaffoldings of Life"	1 Hrs
Epithelial Structure and Function, The Immune System	1 Hrs
Cell Injury, Adaptation and Death, Acute and Chronic Inflammation	1 Hrs
Tissue Repair, Fibrosis and Healing, Diseases of Immunity	1 Hrs
Infectious Diseases: "The Biological Conflict of Interest"	1 Hrs
Transplantation: "Friendly Organs in a Hostile Environment"	1 Hrs
Tissue Engineering and Organ Fabrication: "Medical Rationale and Engineering Challenges"	1 Hrs
Host Response to Artificial Materials and Implanted Devices	1 Hrs
Introduction to Organ Systems Pathology	1 Hrs
Are We What We Eat? "The Link Between Diet and Disease Development"	1 Hrs
Environmental Exposure: "Is It Making You Sick?"	1 Hrs
Cardiomyopathies: "Many Roads to a Broken Heart"	1 Hrs
Vascular Pathobiology: "Endothelium as Nature's Blood Container"	1 Hrs
Ischemia and Infarction	1 Hrs
Patterns and Consequences of Glomerular Damage	1 Hrs
Genetic Disorders , Diseases of the Lung, The Liver	1 Hrs
Gastrointestinal Disorders: "Guts with No Glory!"	1 hrs
Genetic Progression in Gastrointestinal Neoplasia	1 Hrs
Cervical Neoplasia: "Lessons from Viral Oncogenesis"	1 Hrs
Lymphoid Neoplasms	1 Hrs
Sickle Cell Disease: "From Membrane Pathophysiology to Membrane-Targeted Therapy"	1 Hrs
Introduction to the Nervous System	1 Hrs
Toxic Proteins and Neurodegenerative Diseases	1 Hrs

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- CNS Neoplastic, Diseases of Skeletal Muscle — 1 Hrs
- Surgical Pathology and Other Gold Standards — 1 Hrs
- Molecular and Cytogenetic Analyses in Diagnostic Pathology — 1 Hrs
- DNA Microarrays in Cancer Diagnosis and Management — 1 Hrs
- Bioinformatics in Pathology: "Can Any Useful Information be extracted from All This Data?" — 1 Hrs
- Functional Imaging, Molecular Imaging — 1 Hrs
- Optical Coherence Tomography: "Shedding Light on Human Disease" — 1 Hrs
- Optical Spectroscopy: "Diagnosis in a Flash!" — 1 Hrs
- Transfer of Healthcare Technologies: "How to Make New Diagnostic Technologies a Clinical Reality?" — 1 Hrs
- Autopsy: "The Final Answer?" (Medical Area) — 1 Hrs
- Pathology and the Law — 1 Hrs
- Human Pathology: "Past, Present, and the Future" — 1 Hrs

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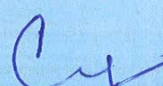An ISO 9001 : 2015 Certified Institution
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Krupanidhi college of Pharmacy

is Conducting a Value added course on

BIOPHARMACEUTICAL SCIENCE

Starts on 17/12/2018

Co- Ordinator

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Student Co - Ordinator

Anusha
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Varthur Hobli, Bangalore - 560 0

Last date for registration is 15/12/2018

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VALUE-ADDED COURSE REPORT

SYLLABUS 2018-2019

BIOPHARMACEUTICAL SCIENCE

Total: 32 hours

SI No	Topics	Total Hours
1	Introduction: Definition: absorption, distribution, metabolism, excretion, elimination, first pass effect, enterohepatic cycling, bioavailability, bio pharmaceutics, pharmacokinetics and pharmacodynamics	6 hours
2	Pharmacokinetics parameters: biological half-life, volume of distribution, clearance: renal clearance, nonretail clearance, additively of clearance, absolute bioavailability relative bioavailability, bioequivalence, and other parameters	7 hours
3	Concepts of compartment models: Pharmacokinetics of one compartment model, mathematical treatment to pharmacokinetics upon i.e. bolus dosing, i.e. infusion and first order extra vascular input	4 hours
4	Methods of estimation of pharmacokinetic parameters and parameters for bioavailability/ bioequivalence – including method of residuals, excretion rate method, and sigma minus method of estimation of renal clearance, renal clearance, mean residence time; Wagner Nelson method	7 hours
5	Multi-compartment models: Concepts and examples (excluding derivation or mathematical treatment)	4 hours
6	Plasma concentration and therapeutic response and introduction to pharmacodynamics;	4 hours

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KRUPANIDHI COILLEGE OF PHARMACY

Is conducting a value added course on

CURRENT AFFAIRS IN MEDICAL FIELD

Starts on 5/11/2018

Registration available
until 3/11/2018

co-ordinator
Ashwini

Student co-ordinator
sai tej
9108558887

PRINCIPAL
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Chikkabellandur, Carmelaram Post,
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VALUE ADDED COURSE: CURRENT AFFAIRS IN MEDICAL FIELD

YEAR-2018-2019

SYLLABUS

1. Managerial Computing: (10 Hours)

* Understanding spread sheet, mathematical functions, logical functions, Lookup functions, reference functions, and Array functions, Data Tables, Goal Seek, Sorting, Filtering, Pivot Tables, String, Date and Time Functions.

* Introduction to Visual Basic, flowchart, Basic coding in Visual Basic for data analysis including debugging, Control structures, iterative control structures.

* Introduction to Access, Basics of data storage and analysis using Microsoft Access.

2. Data Security & Analysis: (10 Hours)

a. Understand healthcare data security and privacy best practices and how they affect utilizing protected health information (PHI) data and building models.

b. Analyze Electronic Health Records datasets to check for common issues (data leakage, statistical properties, missing values, high cardinality) by performing exploratory data analysis.

3. Electronic Health Records Code Sets: (10 Hours)

a. Understand the usage and structure of key industry code sets (ICD, CPT, NDC). Group and categorize data within Electronic Health Records datasets using code sets.

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Krupanidhi College of Pharmacy is conducting value added course on "DATA MANAGEMENT FOR CLINICAL RESEARCH" starts on 03 September 2018

CONTACT

CO-ORDINATOR
Mrs. KAVITHA A N
98886887421

STUDENT CO-ORDINATOR
Ms.GOWTHAMI V
8790547068

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

LAST DATE FOR REGISTRATION IS 01 SEPTEMBER 2018

VALUE ADDED COURSE SYLLABUS

DATA MANAGEMENT ON CLINICAL RESEARCH

2018-2019

Total 30hurs

1.	Understanding research data collection strategy	3hrs
2.	Fundamentals of electronic data capture with introduction to different systems in use	8hrs
3.	Planning data strategy for prospective study	3hrs
4.	Walkthrough using RED Cap	2hrs
5.	Practice session	4hrs
6.	Clinical Data Management	3hrs
7.	Pharma Regulatory Affairs	3hrs
8.	Clinical Research Operation, Monitoring and Clinical Evaluation	3hrs
9.	Brief History of Clinical Research	3hrs
10.	GMP, GLP, QA and QC (Quality Management)	4hrs
11.	Responsibility of Clinical Research Professionals	2hrs

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KRUPANIDHI COLLEGE OF PHARMACY

Krupanidhi college of Pharmacy

is Conducting a Value added course on

DESIGN THINKING
FOR BUSINESS STRATEGY & ENTREPRENEURSHIP

Starts on 06/08/2018

Co- Ordinator

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Student Co - Ordinator

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Varthur Hobli, Bangalore - 560 035

Last date for registration is 3/08/2018

YEAR -2018-2019

VALUE ADDED COURSE: SYLLABUS

DESIGN THINKING FOR BUSINESS STRATEGY AND ENTREPRENEURSHIP

Total: 33 hours

- **Design Thinking Fundamentals**   8hrs

  Design thinking: non-linear, iterative process that teams use to understand users, challenge assumptions, redefine problems and create innovative solutions to prototype and test. Involving five phases—Empathize, Define, Ideate, Prototype and Test—it is most useful to tackle problems that are ill-defined or unknown.

- **What is design - led strategy**   4hrs

  Introduction to design strategy, design thinking and the tools behind it and explore the elements of corporate strategy, how design strategy can be used as a vehicle to communicate corporate strategy.

- **Primary Market Research and Problem statement Definition**   6hrs

  How to plan and conduct primary market research and how to analyse the results, how to craft a meaningful problem definition statement.

- **Prototyping and Product Ideation**   5hrs

  Creating usable models and frameworks for gathering user feedback and testing solutions, through prototypes and a minimum viable product.

- **Design led strategy in Practice – Corporate case studies**   6hrs

  Introduced to two practical case studies which demonstrate how two Australian based companies are using design strategy to innovate and solve problems every day.

- **Course wrap-up**   4hrs

  What the course has meant for you and how you may be able to use design strategy in your own business context.

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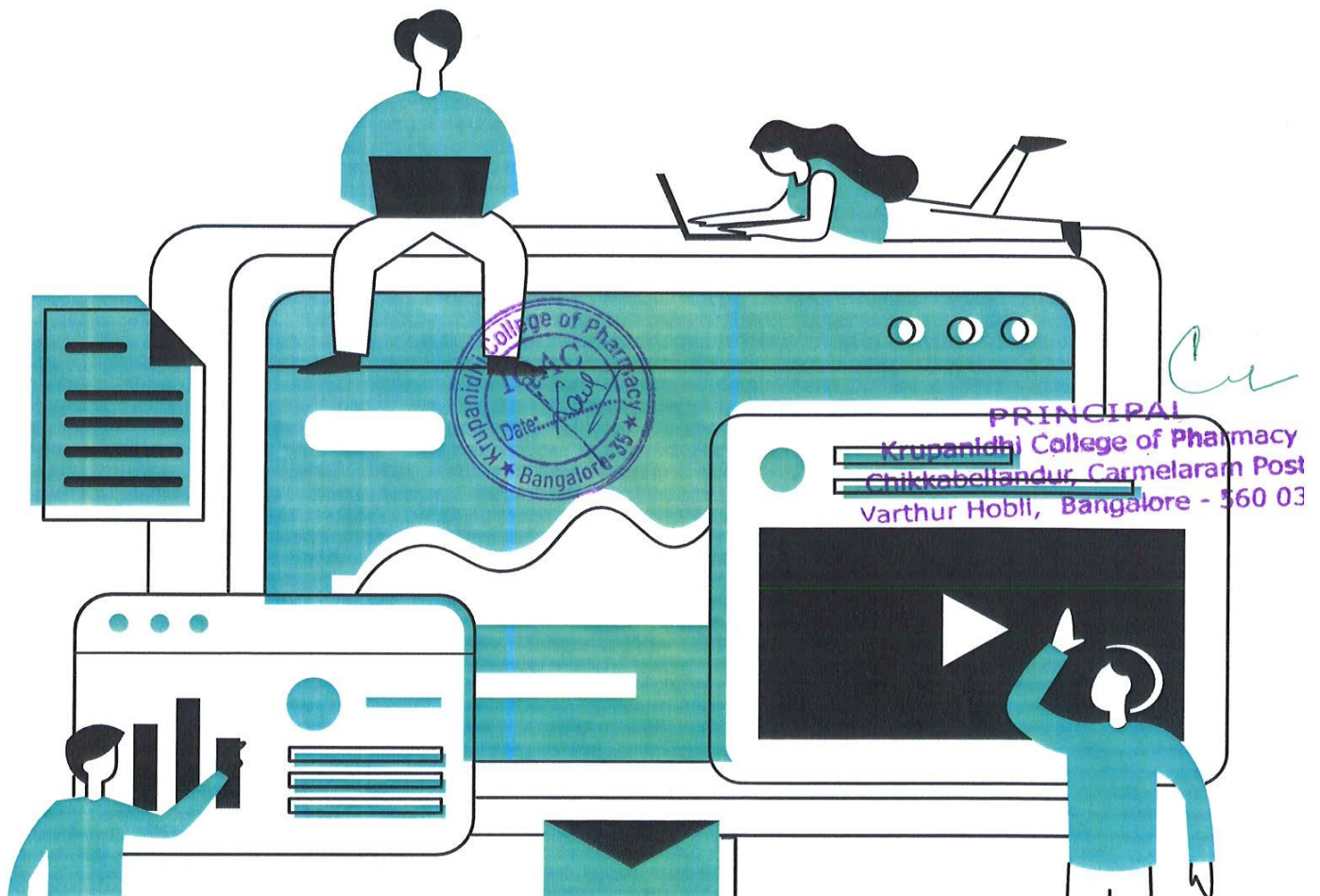Is conducting a value added course on

DIGITAL MARKETING PHARMACY

Starts on 5/11/2018

Registration available
until 3/11/2018

co-ordinator
Ashwini alur
9535165408

Student co-ordinator
Usha
9036622636

PRINCIPAL
Krupanidhi College of Pharmacy
Chikkabellandur, Carmelaram Post
Varthur Hobli, Bangalore - 560 03

Syllabus   2018-2019

Digital marketing and pharmacy

Total: 36 hours

Introduction to Digital Marketing – 8hrs

1. What is Digital Marketing
2. Why Digital Marketing
3. Digital Marketing platforms
4. Digital Marketing – Organic & Paid
5. Digital Marketing era and the way forward
6. Digital Marketing for students, professionals and businesses

Search Engine Optimization (SEO) - 4hrs

1. What is SEO
2. Growth of SEO in the recent years
3. Ecosystem of a search engine
4. What are the kinds of traffic

On Page Optimisation (OPO) - 08hrs

1. What is on-page optimization?
2. HTML basics
3. CSS basics
4. Meta Tags usage
5. Using Javascript to our Advantage
6. Graphics Optimization
7. Contextual interlinking
8. Microformats & schemas
9. Improving demographic score

Off-Page Optimization - 8hrs

1. Linking Strategies
2. Competitor Analysis
3. Sculpting

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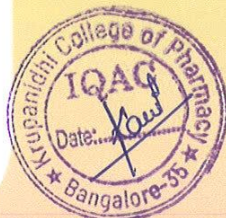## is Conducting a Value added course on

GRANULATION TECHNOLOGY

Starts on 03/12/2018

Contact

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7899329939

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Varthur Hobli, Bangalore - 560 035

Last date for registration is 01/12/2018

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Syllabus 2018-2019

Granulation Technology

Total: 46 hours

• Introduction-	1 hour
• Theory of Granulation: An Engineering Perspective	2 hour
• Drug Substance and Excipient Characterization	2 hour
• Binders and Solvents	2 hour
• Spray Drying and Pharmaceutical Applications	2 hour
• Roller Compaction Technology	2 hour
• High-Shear Granulation	2 hour
• Low-Shear Granulation	2 hour
• Batch Fluid Bed Granulation	2 hour
• Single-Pot Processing	2 hour
• Extrusion/Spheronization as a Granulation Technique	3 hour
• Effervescent Granulation	2 hour
• Melt Granulation and Pelletization	2 hour
• Rapid Release Granulation	2 hour
• Continuous Granulation Technologies	2 hour
• Scale-Up Considerations in Granulation	2 hour
• Sizing of Granulation	2 hour
• Granulation Characterization	2 hour
• Bioavailability and Granule Properties	2 hour
• Process Analytical Technology	3 hour
• Granulation Process Modeling	2 hour
• Regulatory Issues in Granulation	3 hour

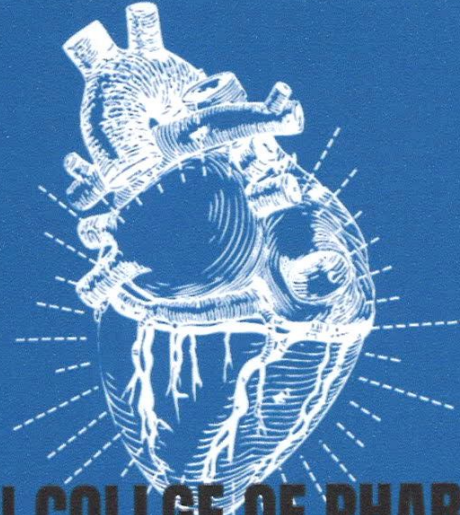12/1, Chikkabelandur, Carmelaram Post, Varthur Hobli,Bangalore-560035

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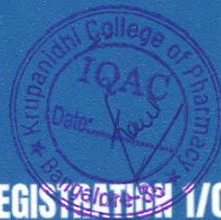
KRUPANIDHI COLLGE OF PHARMACY

IS CONDUCTING A VALUE ADDED COURSE ON

HEALTH INFORMATICS

STARTS ON 3/09/2018

CO- ORDINATOR
DR.RAJENDRA SV
7895225540

STUDENT CO- ORDINATOR
ACQUELINE CLADIOUS
9006105501

LAST DATE FOR REGISTRATION 1/09/2018

VALUE ADDED COURSE SYLLABUS
HEALTH INFORMATICS
YEAR-2018-2019

1. **Overview of field and problems that motivate it:** Introduce the research and practice of the field in the context of the problems that motivate its work. **5hrs**

2. **Health Data, Information, and Knowledge:** Describe the data, information, and knowledge environment of health informatics, from cells and genes to people to health systems. **5hrs**

3. **Electronic Health Records:** Describe and demonstrate the electronic health record (EHR) and its derivatives, and the functions for which it is used, including clinical decision support and re-use of clinical data. **5hrs**

4. **Personal Health Records and Decision Aids:** Describe and demonstrate the personal health record (PHR) and decision aids, and the functions for which they are used to inform personal health decision-making. **5hrs**

5. **Information Retrieval (Search):** Discuss the discovery and dissemination of health-related knowledge and demonstrate the ability to retrieve and appraise it. **5hrs**

6. **Bioinformatics:** Find and apply informatics in genomics and other aspects of molecular biology. **5hrs**

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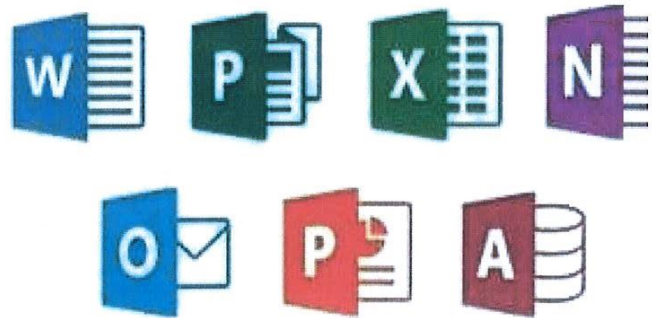Varthur Hobli, Bangalore - 560 035

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is conducting a course on

MS OFFICE

Starts on 01/10/2018

Co- Ordinator
Mr.saifullah khan
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student Co-Ordinator
Umme Saba
9742044322

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Carmelaram Post,
Varthur Hobli, Bangalore - 560 035

last date for registration is 29/09/2018

Syllabus   2018-2019

MS Office SYLLABUS

Total 30 Hours

MS. WORD

- Creating, editing, saving and printing text documents.
- Font and paragraph formatting.
- Simple character formatting.
- Inserting tables, smart art, and page breaks.
- Using lists and styles.
- Working with images.
- Using Spelling and Grammar check.
- Understanding document properties.
- Mail Merge

MS. EXCEL

- Spread sheet basics
- Creating, editing, saving and printing spread sheets
- Working with functions & formulas
- Modifying worksheets with colour & auto formats
- Graphically representing data: Charts & Graphs
- Speeding data entry: Using Data Forms
- Analysing data: Data Menu, Subtotal, Filtering Data
- Formatting worksheets
- Securing & protecting spread sheets

MS. POWER POINT

- Opening, viewing, creating, and printing slides
- Applying auto layouts
- Adding custom animation
- Using slide transitions
- Graphically representing data : Charts & Graphs
- Creating Professional Slide for Presentation.

INTERNET

- Understanding how to Search/Google
- Bookmarking and Going to a specific website
- Copy and paste Internet content into your word file and emails
- Understanding social media platforms such as Facebook & Many more
- Learn with best practices

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Is conducting a value added course on

PSCYCOPHARMACOLOGY

Starts on 17/12/2018

co-ordinator
RUCHI AGARWAL
9341365598

Student co-ordinator
NAGAJYOTHI
9739816728

Registration available
until 15/12/2018

PRINCIPAL
Krupanidhi College of Pharmacy
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Varthur Hobli, Bangalore - 560 035

Syllabus   2018-2019

Psychopharmacology (Drugs and Psychology)

Total: 34 hours

SR. No	Content	Hours
1	Overview of course Basics of neuroanatomical and neurobiology	3
2	Neurophysiology: how do psychotropic drugs work?	4
3	Drug abuse/dependence and their pharmacological treatments	3
4	Depression and antidepressants	2
5	Ethical considerations in psychopharmacology; collaboration, making referrals.	4
6	Pharmacological treatment of anxiety disorders, OCD, PTSD	4
7	Psychotic disorders and antipsychotics	3
8	Bipolar disorder and mood stabilizers	3
9	Medical conditions, pain, eating disorders, ADHD, Cognitive Disorders sleep disorders, and their treatments.	4
10	Special topics in psychopharmacology: current controversies, research, neurocosmetics, alternative medicines	4

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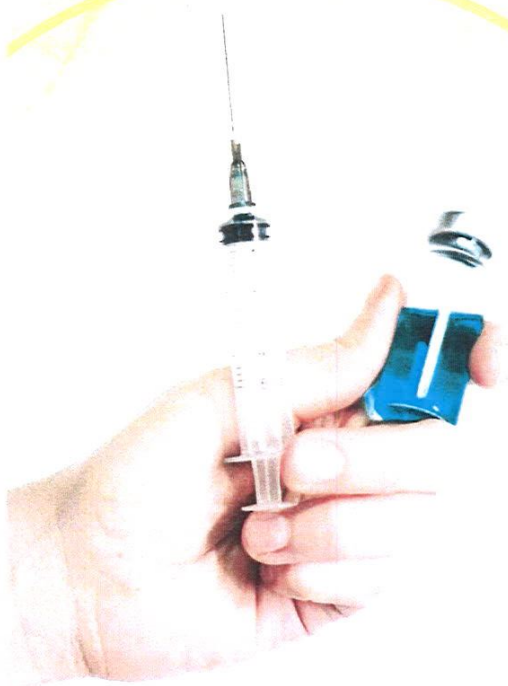**12/1, Chikkabelandur, Carmelaram Post, Varthur Hobli,Bangalore-560035**

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Krupanidhi College of Pharmacy is conducting value added course on **UNDERSTANDING CLINICAL RESEARCH starts on 06 August 2018.**

CONTACT

CO-ORDINATOR
Mrs.JYOTHI Y
7259519535

STUDENT CO-ORDINATOR
Ms.ANUSHA V
7899329939

PRINCIPAL

LAST DATE FOR REGISTRATION IS 03 AUGUST 2018

KRUPANIDHI COLLEGE OF PHARMACY

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VALUE-ADDED COURSE

UNDERSTANDING CLINICAL RESEARCH

AY: 2018-2019

Total   35 Hours

Topic

- Types of studies   **6h**
- Building your data   **6h**
- Building an understanding of statistical analysis   **6h**
- Understanding Hypothesis testing and Confidence levels **4h**
- Selection of test for use   **4h**
- Categorical data and analyzing accuracy of results   **6h**
- Evaluation   **3h**

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