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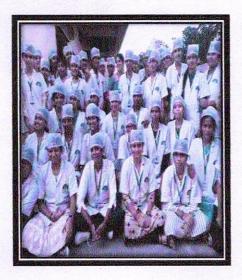
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INDUSTRIAL TRAINING

- Industrial training, where a student undertakes a period of training at an organization usually during a semester break, acts as an important part in preparing the student for a professional career. With the actively involved preparation, the student learns about the industrial demands, skill set and work ethics.
- ➤ Every year students experience industrial training as per the syllabus prescribed in JNTUK and gain knowledge of various departments like Quality Assurance, Quality control, Tablets, Capsules, Vaccine manufacturing, Analytical Research and Development, Clinical research, Drug Regulatory Affairs, Hospital Pharmacy etc .As such, III year B. pharmacy students have visited INDU- DRUGS located at Prasanthi Nagar, IDA, Kukatapally, Hyderabad, and received hands on experience about industry affairs.



One month training program of III/IV B.Pharmacy students at INDU DRUGS, Prasanthi Nagar, IDA, Kukatapally, Hyderabad



III/IV B.Pharmacy students of 2019-20 are trained in Tablet Formulation QA, QC departments.



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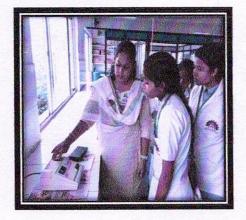
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HANDS-ON LEARNING

> B. Pharmacy and M. Pharmacy students gain knowledge in theory by taking part in the pragmatic learning in various laboratories located within the institute. Faculty has designed various experiments according to the syllabus assigned by the JNTUK. Students gain practical awareness through live activities and handling the instruments such as UV-Visible Spectrophotometry, HPLC, Dissolution, and GEL Electrophoresis etc



I/VI Pharm D students learning about Colorimetry at Biochemistry lab.



I/VI Pharm D students learning about preparation of solid dosage forms in **Pharmaceutics Lab**



Lab



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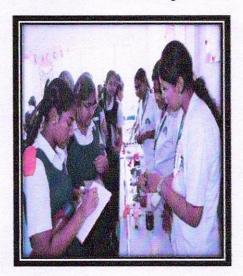
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MODEL MAKING

Pharma Expo was organized by Vijaya Institute of Pharmaceutical Sciences for Women on 21stNov-ember 2019. Expo was conducted to integrate knowledge within a course, a major, or across an entire program of study to associate concepts. It makes the students to comprehend relationship among concepts, structures or species. Various models and live experiments were exhibited by different departments of Pharmacy to 10th, Intermediate, other Pharmacy college students, Ayurvedic college students and Engineering students. Dr. A. Prameela Rani, Principal of ANU College of pharmaceutical sciences, Guntur, Dr. K. Vijaya Sekhar, Professor Dept of Ophthalmology, Govt. Gen. Hospital, Guntur, Dr. K. Govinda Krishna, Joint Director of Drug Control Laboratory, Vijayawada were invited as Guests of Honour to the Pharma Expo.







of Pharm

Pharma models of various departure its presented by B.Pharmacy,
M.Pharmacy and Pharm D students at Pharmacy Expo 2019 organized by YA INSTITUTE
VIPW.

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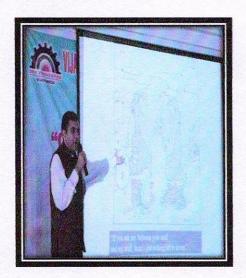
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16th INDO-AFRICAN CONFERENCE

Vijaya Institute of Pharmaceutical Sciences for Women in association with APP Andhra Pradesh State Branch and in collaboration with APP Australian International Branch conducted the 16thIndoAfrican Conference with the theme of "Global trends and Issues in Pharmaceutical Sciences" on 19thaugust 2019.Eminent speakers **Dr. DigambarBalkrishnaAmbikar** (School of Pharmacy, College of Medical and Health Sciences, University of Gondar, Ethiopia), **Prof. Bhakti BhushanBarik** (Director of Academics, College of Pharmaceutical Sciences, Puri, Odisha), **Dr. Jeyaram Bharathi Jeyabalan** (JSS College of Pharmacy, Ooty, Tamilnadu) have delivered talks regarding the theme and interacted with students about the career opportunities in Pharmacy and Pharmacy Practice. The goal of presentation is to provide the audience with inputs on the given topic. The not only speakers were successful in the basic concepts and ideas, but also in the spark igniting in other participant's.



Prof. Dr. Digambar Balkrishna Ambikar delivered a talk on "Future trends in Pre –Clinical & Clinical Pharmacology"



Dr. Jeyaram Bharathi Jeyabalan delivered a talk on "Emerging Job Opportunities for Pharmacy Graduates"



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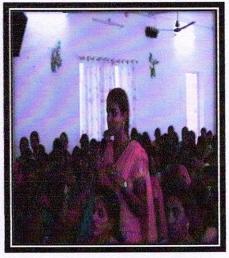
Prof. Bhakti BhushanBarik talks on "Nanotechnology based Novel Drug Delivery System"



Annapar Reddy Vijaya Bhaskar Reddy talk on "Recent Advancesin alternative carrers in pharmacy"



Poster Presentation by II/II M.Pharmacy students department of Pharmaceutical Technology



Delegates are interacted with the dignitaries regarding career building in Pharmacy.



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8th INDO-US-CONFERENCE

Vijaya Institute of Pharmaceutical Sciences for Women conducted the 8th Indo-US Conference on 6th December 2019 with a theme of "Research Strategies in Pharmaceutical Technology: Updates and Prospects" to encourage and enable students to develop inquiring minds and curiosity about the science of Pharmacy. To acquire knowledge, conceptual understanding, and skills to solve problems and make informed decisions in scientific contexts has been the major focal point of the conference. Eminent Speakers **Prof. Alekha K. Dash** (School of Pharmacy and Health Professions, Creighton University, Omaha, Nebraska, USA), **Prof. S. Satheshkumar** (Head department of pharmaceutics, School of Pharmaceutics, VELS deemed to be University, Pallavaram, Chennai, Tamilnadu) delivered a talk regarding the recent advancements in Pharmaceutical Technology in combination with nanotechnology in cancer treatment, in the treatment of various disorders of central nervous system and peripheral nervous system.



8th INDO-US Conference organized at VIPW on 6th December 2019



Prof. S. Sathesh Kumar delivered on Nano drug delivery systems for the treatment of neuro-degenerative disorders.



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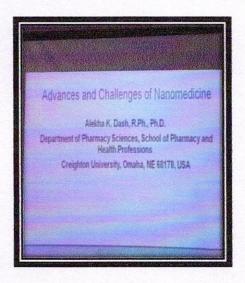
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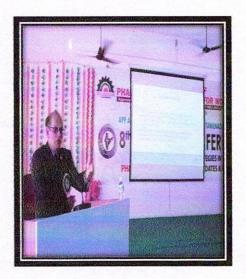


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Prof. Alekha K. Dash, R.Ph., Ph.D. Talk on "Advances and Challenges of Nanomedicine.







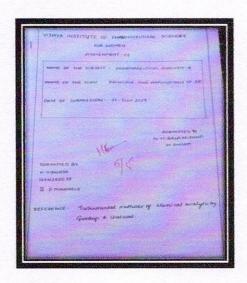
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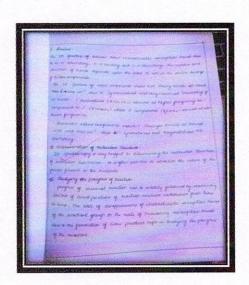
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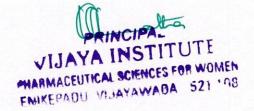
ASSIGNMENTS

Assignments are part of the internal evaluation process, which would be of immense value as additional learning instruments. Many types of assignments can be given to students such as essays, literature reviews, annotated bibliographies, critical reviews, reflective journals, and case studies, depending upon the need and leaning situations. It implies a task for students to accomplish the aim of learning particular contents, concepts or relationships. In this text, learning assignments involve students' independent information seeking and use of a wide range of information sources. So every semester students are assigned with two topics per each subject regarding to their syllabus and asked to gather more relevant information. Allotment of marks to students is given according to their task completion. Through this students are enriched with knowledge regarding of topic, proof reading of and presentation techniques.









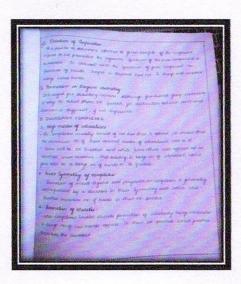


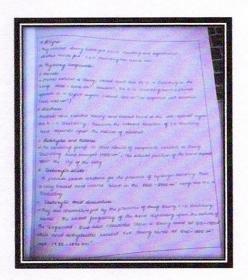
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Assignment submitted by IV B. Pharmacy on Pharmaceutical Analysis II.



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PROJECT BASED LEARNING

Project Based Learning is a teaching method in which student's gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging, and complex question, problem, or challenge. Project-based learning not only provides opportunities for students to collaborate with or drive their own learning, but also teaches those skills such as problem solving, and helps to develop additional skills integral to their future, such as critical thinking and time management. So every year IV B. Pharmacy and II M. Pharmacy students are allotted with a project under the guidance of faculty to be completed within an academic year. Marks are allotted to projects according to their project results, presentation and viva-voce. Research and review articles of their projects are published by students in various national and international journals.







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List of Projects IV B. Pharmacy 2019-20

| SI. No | Name of the Supervisor | Roll. No | Name of the Student | Title of the Project | Department |
|-----------|------------------------|----------------------|------------------------|----------------------------|-----------------|
| 1. | Mr. S. | 167N1R0062 | K. HemaLatha | Comparative in-vivo | Pharmaceutics |
| | Venkateswara | 167N1R0098 | Charunya V | bioequivalence and | |
| | Rao | 167N1R0065 | SK.Sharmila | pharmacokinetic | |
| | | 167N1R0095 | S. Naga Satya Vani | assessment of | |
| | | 167N1R00A0 | G. Bhargavi | commercially available | |
| | | | | Paracetamol tablets | |
| | | | | administered in rats | |
| 2. | Mr. S. | 167N1R0023 | R.PhanisaiVennela | Synthesis of | Pharmaceutics |
| - | Venkateswara | 167N1R0042 | K.Bhanu Sri | characterization of | |
| | Rao | 167N1R0074 | Chandana | calcium starch: a new | |
| | 1000 | 167N1R0084 | S.Kyathi Sree | controlled release | |
| | | 10/11/11/0001 | K. Bhanu Krishna | polymer for floating | |
| | | | Sahithi | tablets of atorvastatintin | |
| | | | Santin | calcium | |
| 3. | Dr.S.Sundar | 167N1R0003 | SK.Apsana | Antibacterial and | Biotechnology |
| | | 167N1R0024 | P. Himaja | Antifungal Activity of | 87 |
| | | 167N1R0038 | V. Nandini | Various Extracts of | |
| | | 167N1R0058 | D. Sirisha | Carica Papaya Linn | |
| | | 10,11,11,000 | 2.01.011 | Seeds | |
| 4. | Mr. M. Bala | 167N1R0012 | P.Navya Sri | A Spectroscopic Method | Pharmaceutical |
| | Krishna | 167N1R0049 | Mohammad Nafeesa | Development and | Analysis |
| | 12.10 | 10/1/1110015 | Begum | Validation for Estimation | |
| | | 167N1R0032 | AnushaVadlamudi | of Dexlansoprazole in its | |
| | | 167N1R0052 | K. Katyani | Bulk Form and | |
| | | 10/11/10032 | 14. Ratyani | Pharmaceutical Dosage | |
| | | | | Forms by Formation Ion- | |
| | | | | Pair Complex | |
| 5. | Mrs. M. Vani | 167N1R0014 | Ch. RathnaHarika | Evaluation of | Pharmacognosy |
| | | 167N1R0027 | K. Latha Sree | Phytochemical and In- | |
| | | 167N1R0063 | S. Tejaswi Komala | Vitro Anti-Inflammatory | |
| | | | Sai | Activity Studies of Fruit | |
| | | | | and Leaf Extract of | |
| | | 167N1R0079 | P. Santhi | Casuarinas Equisetifolia | |
| 6. | Mr.S.Praveen | 167N1R0016 | B.BindhuSri | Formulation and | Pharmaceutics |
| | | 167N1R0025 | G. Asha | Evaluation of | |
| | | 167N1R0072 | B. Chandana | Ciprofloxacin | |
| | | 167N1R0073 | Abdul Safiya | Hydrochloride Loaded In | |
| | | | Naseema | Situ Gel for Treatment of | |
| | | 167N1R0086 | M Sneha Latha | Periodontitis | |
| | | | ceutical | | |
| 7. | Mrs B. | 167N1R0068 | B. Yanung | Formulation and | Pharmaceutics |
| | HemaLatha | 167N1 7,600 4 | Karishma Rad | Evaluation of | <u> </u> |
| | | 167N1R9011 | WENaga Sri bakshmi | Gastoretentive Floating | NCIPAL |
| | | 167N1R6017 | JAKA Viswaja 2 | lablets of Pantoprazole | INSTITUT |
| | | 167N1R0091 | T. Tejasyin | Soutum | SCHENCES FOR WI |
| | | 167N1R0006 | | | |

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| 8. | Mr. A. Jaya Rami Reddy | 167N1R0019 167N1R0020 167N1R0039 | M.Kousalya Md. Sabiha Kousar T. Naga Pratyusha | Anti-Diabetic Effect of Casuarinas Equisetifolia Bark Aqueous Extract in | Pharmacology |
|-----|---------------------------|--|--|--|----------------|
| | | 167N1R054 | C. Yoga Lakshmi Prasanna | Alloxan Induced Mild Diabetic Rats | |
| | | 167N1R0092 | Sumera Begum | | |
| 9. | Mrs. P. M. M. | 167N1R0021 | A.V. N.S. Jahnavi | Formulation and | Pharmaceutics |
| | Naga | 167N1R0036 | S. Bhagya Lakshmi | Evaluation of | |
| | Lakshmi | 167N1R0041 | B. Sireesha | Dexlansoprazole Solid | |
| | Varma | 167N1R0046 | K. Geetha Sri | Dispersion Using | |
| | | 167N1R0053 | K. Preethi Sobha sri | Hydrophilic Carrier | |
| 10. | Mrs B. | 167N1R0002 | E. Sravani | Formulation and | Pharmaceutics |
| | Sravani | 167N1R0018 | K. Keerthi | Evaluation of | |
| | | 167N1R0048 | T. Taruni | Rosuvastatin Calcium In | |
| | | 167N1R0076 | B. Sandhya Rani | situ Gels for The | |
| | | 167N1R0080 | P. Lakshmi Priyanka | Treatment Of | |
| | | | | Periodontitis | |
| 11. | Mrs D. Santhi | 167N1R0029 | T. Pooja Neelima | Anti-Ulcer Activity of | Pharmacology |
| | Krupa | 167N1R0059 | K. Sireesha | Aqueous Leaf of | |
| | | 167N1R0069 | Sh. Sofiya Begum | Allamanda Cathartica in | |
| | | 167N1R0070 | V. Kusuma | Experiment Animals | |
| 10 | | 167N1R0075 | M. Sushma Reddy | | |
| 12. | Mrs. D. | 167N1R0001 | Sh. Salma | Validated UV | Pharmaceutical |
| | Vijaya Durga | 167N1R0010 | N. Naga Lakshmi | Spectrophotometric | Analysis |
| | | 167N1R0028 | C. Janaki | Method for Estimation of | |
| | | 167N1R0033 | U. Sony | Gemcitabine in Bulk and | |
| | | 167N1R0035 | Md. Shireen | Dosage Form | |
| 13. | Mrs. R. | 167N1R0093 | K. V. S. S. V. Sahithi | 7 . 17 75 | DI. |
| 13. | Sunitha | 167N1R0015 167N1R0056 | Sh. Nazma | Topical <i>In-Vivo</i> Evaluation Of Anti- | Pharmacognosy |
| | Summa | 167N1R0030 | M. Joy Prise M. Anusha Rekha | | |
| | | 167N1R0083 | C. Tanya | Obesity Activity of | |
| | | 10/11110003 | C. Taliya | Sauropus Androgynus Leaf Extract on High Fat | |
| | | | | Diet Fed Rats | |
| 14. | Mrs. A. V. S. | 167N1R0034 | G. Bhavya Sree | Formulation | Pharmaceutics |
| | Hima Bindhu | 167N1R0040 | S. Anantha Lakshmi | Development and In- | Tharmaceutics |
| | | 167N1R0045 | K. Jaya Sree | Vitro Evaluation of Fast | |
| | | 167N1R0047 | J. Harika | Dissolving Oral Films | |
| | | 167N1R0071 | A. Supriya | Containing Ranitidine | |
| | | 167N1R0089 | B. Lakshmi | Hydrochloride | |
| 15. | Mrs. A. | 167N1R0005 | S. Joshanavi | In-Vivo Analgesic and | Pharmacalage |
| 15. | Bhavana | 167N1R0003 | U. Mounika Sarojini | In-Vitro Thrombolytic | Pharmacology |
| | Diavana | 167N1R0061 | G. Loka Swarna | Activity on Musa | |
| | | 107141140001 | Deepika. | Balbisiana | |
| | | 167N1R0066 | Recutica | Duivisialla | |
| | | 167N1R0087 | | KCD | AA- |
| | | 167N1R0096 | Y. Krishna Sukanya | PINCIPA | llog |
| 16. | Mrs. Ch. | 167N1R0036 | D. GLANADA. | Validation Of UVICT | Pharmaceutical |
| | Anupama | 167N1R0031 | AT LANGUE | Spectrophotometric | e sog Apalysis |
| | Swathi | 167N1R0037 | G. Sri Lakshm | Spectrophotometric Methodische Edition of | BA 521 198 |
| | | 167N1R0043 | Pavani Pirogali nka | Kuthitanin lanet. | DA SZI 19 |
| | | 167N1R0050 | THUY | Dosage Form | |



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| | | 167N1R0064 | Ch. Divya | | |
|-----|--------------------|--------------------------|------------------------------------|---|---------------|
| 17. | Mrs .G. Madhavi | 167N1R0026 167N1R0057 | V. V. Bhavana M. Bhagya Lakshmi | Preparation and Characterization of Atorvastatin Calcium Co-Crystals | Pharmaceutics |



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List of Projects II M Pharmacy 2019-20

PHARMACEUTICS

| S.NO | Name of the supervisor | Roll No | Name of the student | Title of the Project |
|------|--------------------------------|------------|-----------------------------|--|
| 1 | Mr. S. Venkateswar a Rao | 187N1S0301 | Chamakuri Devi Prasanna | Evaluation of Starch Acetate: A New Starch based Polymer For Controlled Release of diclofenac Sodium |
| | | 187N1S0304 | Medikonda Pooja | Formulation and Characterisation of Floating Microspheres Containing Cinnarizine |
| | | 187N1S0310 | Tadepu Kalyani Devi | Formulation and Evaluation of Atorvastatin Calcium Liquisolid Tablets & Comparing The Dissolution |
| 2 | Mr. S. Praveen | 187N1S0302 | Gandham Jyotsna Rani | Development and Characterization of Simvastatin Liposomal Gel Using Thin Film Hydration Technique |
| | | 187N1S0311 | Veeramachaneni Padmasree | Formulation and Evaluation of Proniosomal Gel For Topical Delivery of Ornidazole |
| 3 | Mrs. B. Hema Latha | 187N1S0303 | Kondeti Prasanthi | Design and Development of Orodispersible Tablets of Aceclofenac Prepared By Direct Compression Method Using Different Super Disintegrants |
| | | 187N1S0309 | Ravula Varalakshmi | Synthesis and Characterization of Starch Urea Borate: A New Controlled Release Polymer For Floating Tablets Of Losartan Potassium |
| 4 | Mrs.A.Hima Bindhu | 187N1S0305 | Mohammad Mehraj | Formulation design and Evaluation of Telmisartan Mucoadhesive Microspheres |
| 5 | Mrs. B. Sravani | 187N1S0306 | Nadipalli Mamatha Sri | Design, Development and Optimization of Self-Micro Emulsifying Drug Delivery System of Irbesartan |
| | | 187N1S0308 | Prasanthi Gaddam | Formulation, Optimization and Evaluation of Itraconazole Nanosponge Based Gel For Topical Drug Delivery |







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PHARMACEUTICAL ANALYSIS

| S.NO | Name of the supervisor | Roll No | Name of the student | Title of the Project |
|------|------------------------------|------------|--------------------------|--|
| 1 | Dr. M. Vamsi Krishna | 187N1S1602 | Morla Gnana Chandrika | Development And Validation Of Rp-Hplc Method For The Estimation of Telbivudine In Bulk Drugs And Pharmaceutical Formulations |
| | | 187N1S1607 | Kadiyala Lasya | Hplc Method Development And Validation For Determination of Ritonavir In Pure Form and Pharmaceutical Dosage Forms |
| 2 | Mrs. D. Vijaya Durga | 187N1S1604 | Karumuri sandhya Rani | A New Rp-Hplc Method Development & Validation For Simultaneous Estimation of Ambrisentan And Tadalafil In Bulk And Pharmaceutical Dosage Form |
| | | 187N1S1606 | Remalli Chaitanya | Rp-Hplc Method Development And Validation For Estimation of Metadoxine In API And Pharmaceutical Dosage form |
| 3 | Mr. M. Bala Krishna | 187N1S1603 | Motukuru Swapna sri | Rp-Hplc Method Development And Validation For Simultaneous Estimation of Lamivudine And Abacavir In Bulk And Tablet Dosage Forms |
| | | 187N1S1605 | Buddi Navya Durga | New Validated Rp-Hplc Methods For Determination of Naproxen And Pantoprozole In Capsule Dosage Forms |



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PHARMACOLOGY

| S NO | Name of the supervisor | Roll No | Name of the student | Title of the project |
|------|------------------------------|------------|----------------------------|--|
| 1 | Mr. D. Santhi Krupa | 187N1S0601 | Chtragadda Teja | Nephro protective Effect of Herbal Extract of Bombax Ceiba On Paracetamol-Induced Nephrotoxicity |
| | | 187N1S0602 | Lochana Cheepila | Evaluation of Anti-Alzheimer's And Antioxidant Potential of AbrusPrecatorius Hydro Alcoholic Root Extract In Disease Induced Rats |
| 2 | Mr. A. Jaya Rami Reddy | 187N1S0603 | Zakkam Keerthi Veronica | Antihyperlipidemic Effect of Casuarinas Equisetifolia Bark Aqueous Extract In High Fat Diet Induced Lipedemic Rats |



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A Spectroscopic Method Development and Validation for Estimation of Dexlansoprazole in its Bulk Form and Pharmaceutical Dosage Forms by Formation Ion-Pair Complex.

Abstract:

Objective: The objective of the present work was to develop and validate a novel, specific, precise and reliable method for estimation of Dexlansoprazole in its bulk and pharmaceutical dosage form using UV-visible spectroscopy method.

Methods: The UV-Visible spectrophotometric determination was performed with double beam Systronics UV-visible spectrophotometer; model UV-2201 (India). The proposed methods were validated for various parameters like linearity, precision, accuracy, robustness, ruggedness, detection, quantification limits, and formulation analysis as per international conference on harmonization (ICH) guidelines.

Results: The method was based on measurement of absorbance at wavelength maxima i.e. 285 nm, λmax of the drug in distilled water. In this method the linearity was observed under the range of 2.5-15 μg/ml and it was found to be linear with r²=0.985. The precision of this method was demonstrated with % RSD values of < 2% while the % recovery was found in between 98-102%. There is no interference of any other compound present in the pharmaceutical dosage forms was observed.

Conclusion: The proposed method was simple, specific and accurate requires short time to analyze samples and it is easy to perform. Hence it was concluded that the present method developed was well suitable for routine analysis of Dexlansoprazole in its pharmaceutical dosage formulations.

Keywords: DEXO (Dexlansoprazole), MO (methyl orange), ion-pair, validation



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INTRODUCTION

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Analytical research and development is a requisite part of the pharmaceutical industry whose goals include contributing to the development of new active substances and pharmaceutical dosage forms by providing information based on analytical chemistry, by developing analytical methods and specifications used in quality control of materials for toxicological and clinical trails.

Dexlansoprazole is new generation proton pump inhibitor as an R-enantiomer of Lansoprazole. DEXO is used to treat gastro esophageal reflux diseases and exhibiting high efficacy in the treatment of symptoms and lesions associated with erosive esophagitis caused by gastro esophageal reflux disease. DEXO allow the esophagus to heal and prevent further damage to the esophagus. DEXO acts by decreasing the amount of acid made in the stomach.

Structure of Dexlansoprazole

Dexlansoprazole molecular weight is (369.3 g/mol) of molecular formula (C₁₆H₁₄F₃N₃O₂ S), its melting point (135-136°C), half life is 1-2hrs. It is soluble in methanol and acetonitrile, poorly soluble in water.

MATERIALS AND METHODS:

Chemicals and Reagents:

In the present study, the spectroscopic method development and validation protocols were carried out by following reagents and materials like HCL, Methyl orange dye, DEXO, chloroform and water. The solvents utilised were AR grade and all the chemicals were analytical grade.





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Instrumentation:

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A single beam T60U UV-Spectrophotometer, model UV-3000⁺(Lab India) with a spectral bandwidth of 2 nm was performed in 10 mm quartz cells. Weighing Balance of model Gold-300P (Phoenix) and sonicator of model 2K13016(LIFE CARE).

Preparation of solvent system:

Dexlansoprazole was known to be soluble in solvents like water, methanol, and acetonitrile. The absorption pattern of resulting solution is measured against respective blank solution in UV range (200 -800 nm) and λ_{max} was found in each solvent. The λ_{max} found in each solvent was compared with UV cutoff of the particular solvent to avoid any interaction between the sample peak and solvent peak.

Preparation of MO dyes solution:

A 0.005% solution of MO (Merck India, Mumbai, India) was prepared by dissolving 50mg of the dye in wat

Preparation of working standard solution of DEXO (100µg/ml):

The standard solution was prepared by accurately weighed 10mg of DEXO into two separate 100ml volumetric flask containing 70ml of distilled water and sonicated for about 20 mins, and then the volume was made up to the mark with the solvent.

Preparation of standard solution of DEXO (10µg/ml):

From the above working standard solution 1ml was pipette out into separate 10ml volumetric flask and volume was made up to the mark with distilled water to get final concentration of 10µg/ml. The resulted solution was scanned under UV-Visible region.

Assay of Dexlansoprazole: 10 mg of Dexlansoprazole is weighed and taken into 10ml volumetric flask containing 3ml of distilled water and sonicated for about 20 mins, and then the volume was made up to the mark with the solvent. From this 1ml solution was pipette out into 10ml volumetric flask and volume was made up to the mark with distilled water to get final concentration of 100µg/ml. From this 2ml was pipette out into 10ml volumetric flask and volume was made up to the mark with distilled

water to get final concentration of

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Validation of methods:

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Linearity: The aliquots of concentration ranging 2.5-15µg/ml were analyzed. The results obtained were used to calculate the equation of the line by using linear regression by the least-squares regression method.

Accuracy: The accuracy of the method is the closeness of the measured value to the true value for the sample. For recovery study, the solutions were prepared at levels 50%, 100% and 150% of test solution and taken absorbance of each solution.

Precision: The precision of an analytical procedure expresses the closeness of agreement (degree of scatter) between a series of measurements obtained from multiple sampling of the same homogeneous sample under the prescribed conditions. Precision was determined as system precision and method precision, in accordance with ICH guidelines. The results of system and method precision studies were shown in the following table. The low %RSD values obtained from the analysis of tablets indicated that the method was highly precise.

Robustness and ruggedness: The robustness of the proposed method was tested by changing parameters such as wavelength, temperature and pH. Ruggedness was determined by different analysts, different laboratory, different instrument, and different lots of chemical etc.and the results were reported in terms of % RSD.

Limit of detection (LOD) and limit of quantification (LOQ): These limits, which are defined based on each experiment, are never "true values", but can only be approximate estimations. Indeed, the calculated values are biased-like all results obtained throughout experiments and will vary from one matrix to a different, from one instrument to another, from one day to another, and from one laboratory to another.



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The limits are commonly associated with the signal to noise ratio (S/N). In the case of LOD, analysts often use S/N (signal to noise ratio) of 2:1 or 3:1, while a S/N of 10:1 is often considered to be necessary for the LOQ. Typically, the signal is measured from the base line to peak apex and divided by the peak-to-peak noise, which is determined from the blank plasma injection.

$$LOO = 10 \sigma/S$$

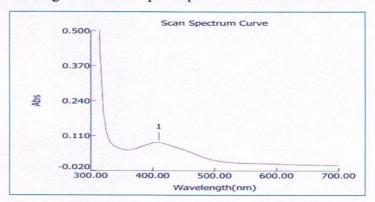
 $LOD = 3.3 \sigma/S$

Where, σ - Standard deviation from responses - Slope from calibration curve.

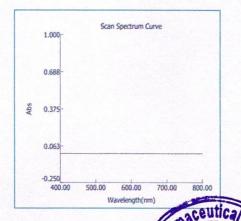
RESULTS AND DISCUSSION:

Determination of absorption maxima (λ max):

Standard solution (10µg/ml) approximately 3ml was taken in 10mm cuvette and scanned under UV-Visible region 200-800nm using UV-Visible spectrophotometer with fixed slit width of 2.0mm.



Absorption spectrum of MO dye (λmax410nm)



2.0002.0001.5001.5000.5001
0.000
200.00 250.00 300.00 350.00 400.00
Wavelength(nm)

Absorption spectrum of standard

(Extracting solvent, CHC

DEXO and MO dye.

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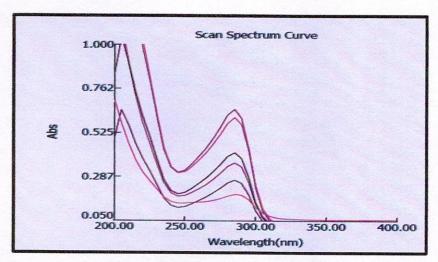
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Linearity:

Five concentrations (5-25 μ g/ml) of DEXO with 2ml MO dye were freshly prepared for linearity studies and measured the absorbance at 285nm (λ_{max}). The overlain spectrum was drawn for five concentrations individually. The absorbance was recorded and calibration curve was plotted against concentration v/s absorbance. Each solution was scanned in a triplet and linearity was evaluated by linear-regression analysis. Both the drugs showed good linear relationship calibration curve plot with regression equation of y= 0.003x+0.122 for DEXO-MO dye ion-pair complex. The correlation coefficient (r^2 = 0.992) found was within prescribed range. Hence the method found to be linear in the concentration over the range of 2.5-15 μ g/ml.



Overlain spectrum of linearity levels of DEXO-MO dye complex In the concentration range



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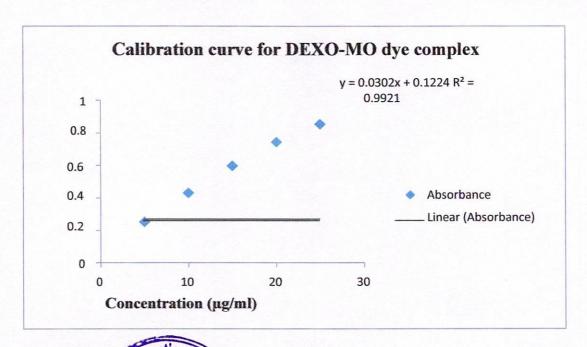
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| ANALYTES | CONCENTRATION | ABSORBANCE | LINEAR |
|-------------|---------------|------------|-----------------------|
| | | | REGRESSION |
| | | | EQUATION |
| DEXO | 2.5 | 0.120 | Y=0.0349X+0.037 |
| | 5 | 0.219 | R ² =0.989 |
| | 7.5 | 0.318 | SD=0.165612 |
| | 10 | 0.354 | %RSD=48.424 |
| | 12.5 | 0.460 | |
| | 15 | 0.583 | |
| DEXO=MO dye | 2.5 | 0.190 | Y=0.03736X+0.0815 |
| complex | 5 | 0.270 | R ² =0.992 |
| | 7.5 | 0.362 | SD=0.176069 |
| | 10 | 0.417 | %RSD=42.891 |
| | 12.5 | 0.573 | |
| | 15 | 0.651 | |

Table 1: Linearity data of DEXO & combination DEXO-MO dye ion pair



Calibration Carried DEXO-MO dye ion pair complex (5-25µg/ml)

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Precision (System and Method preicision):

Precision was determined as

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System precision:

The system precision was established by measuring the absorbance at 285nm for five replicates of standard solution of DEXO-MO dye ion-pair complex by maintaining the optimised spectroscopic conditions.

Method preicision:

It is also established by measuring the absorbance at 285nm for five replicates. The % assays and % RSD of assays were calculated with propose method which showed the results were within the limits, hence the method called to be passes repeatability.

Table 2: System and Method Precision Data of DEXO- MO dye complex

| S.NO | Wave Length | Absorbance(System precision) | Absorbance(Method precision) |
|------|-------------|------------------------------|------------------------------|
| 1 | 285 | 0.345 | 0.348 |
| 2 | 285 | 0.348 | 0.345 |
| 3 | 285 | 0.345 | 0.344 |
| 4 | 285 | 0.345 | 0.345 |
| 5 | 285 | 0.344 | 0.345 |
| 6 | 285 | 0.347 | 0.346 |
| Mean | - | 0.345 | 0.345 |
| S.D | - | 0.0036 | 0.0034 |
| %RSD | _ | 0.82 | _ |



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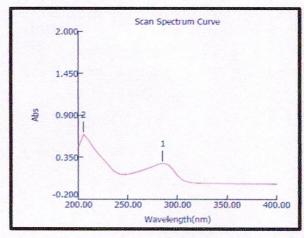
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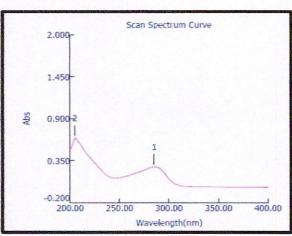
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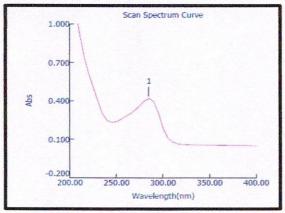
Accuracy:

The accuracy was carried out by adding known amounts of standard drug to theanalyte (three concentrations (levels - 50, 100 and 150 % - of the labeled claim). At each level, three determinations were performed at 420nm and the results were recorded. The accuracy was expressed as percent analyte recovered by the proposed method. The method showed mean recovery of 98.7-99.7% for DEXO. The %RSD was found be less than 2.0%.





Absorption spectrum of DEXO-MO dye complex(50%)Absorption spectrum of DEXO-MO dye complex (100%)



Absorption spectrum of DEXO-MO dye complex (150%)



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Table 3: Accuracy Data of Dexlansoprazole

| S.No | Spiked level | Absorbance | % Recovery | S.D | %RSD | Mean Recovery |
|------|--------------|------------|------------|--------|-------|---------------|
| | | 0.326 | 101.0 | | | |
| 1 | 50% | 0.328 | 100 | 0.001 | 0.324 | 99.7 |
| | | 0.324 | 100 | | | |
| | | 0.445 | 100.3 | | | |
| 2 | 100% | 0.442 | 98.5 | 0.002 | 0.324 | 99.7 |
| | | 0.440 | 100.8 | | | |
| | | 0.548 | 99.1 | | | |
| 3 | 150% | 0.542 | 99 | 0.0026 | 0.21 | 98.7 |
| | | 0.544 | 99.1 | | | |

Robustness:

The following changes were made in the spectroscopic system to determine the effect of deliberate variations in the optimized spectroscopic conditions like buffer content and dye content etc.

Table 4: Robustness Data Change in wave length of DEXO-MO

Ion-pair complex

| S. No | Change in wave length | Absorbance | %RSD |
|-------|-----------------------|------------|-------|
| 1 | Low (283nm) | 0.230 | |
| 2 | Original(285nm) | 0.226 | 1.160 |
| 3 | High (287nm) | 0.231 | 1.100 |

Table 5: Robustness Data Change in solvent components of DEXO-MO

Ion-pair complex

| S. No | Change in MO dye volume | Absorbance | %RSD |
|----------|-------------------------|------------|-------|
| 1 | Low (0.5ml) | 0.488 | |
| 2 | ceutical siginal (1ml) | 0.231 | 1.102 |
| 3/201110 | Mach (1.5ml) | 0.252 | 1.102 |

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Ruggedness:

The ruggedness of an analytical method was studied under a variety of test condition such as by different analysts, at different laboratory conditions, by different instrument and or by different lots of chemical etc. To know the degree of reproducibility of test results to that optimized conditions.

Table 6: Ruggedness Data of DEXO-MO dye ion-pair complex

| Different Analysts | Absorbance | %RSD |
|----------------------------------|------------|-------|
| Analyst-1 | 0.446 | |
| (Mr.M.Bala Krishna) | 0.438 | |
| | 0.442 | |
| Analyst-2 | 0.448 | |
| (UG Analysis project group) | 0.441 | 1.32 |
| | 0.445 | % |
| Different Labs: | | |
| Lab-1 (PA & QA research Lab) | 0.446 | |
| | 0.436 | |
| | 0.440 | 1.65% |
| Lab-2 (UG Analysis research | 0.445 | |
| Lab) | 0.441 | |
| | 0.445 | |
| Different Instruments: | | |
| | | |
| Instrument-1 (PG Instrument T60) | 0.442 | |
| | 0.436 | |
| | 0.442 | 1.59% |
| Instrument-2 (Lab India) | 0.446 | |
| | 0.441 | |
| | 0.445 | |

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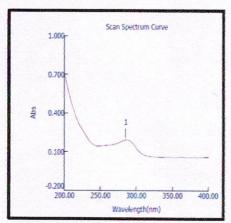
DETECTION LIMIT AND QUANTITATION LIMIT (LOD & LOQ):

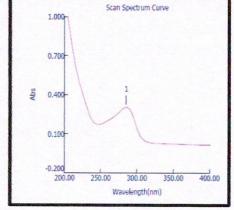
The limits are commonly associated with the signal to noise ratio (S/N). In the case of LOD, analysts often use S/N (signal to noise ratio) of 2:1 or 3:1, while a S/N of 10:1 is often considered to be necessary for the LOQ.

 $LOQ = 10 \sigma/S$

 $LOD = 3.3 \sigma/S$

Where, σ - Standard deviation from response S - Slope from calibration curves.





LOQ spectrum for DEXO-MO

Dye ion pair complex

LOD spectrum for DEXO-MO

Dye ion pair complex

Table 7: Detection Limit and Quantitation Limit Data of Dexlansoprazole

| Parameters Detection Limit (LOD) | Dexlansoprazole | |
|----------------------------------|-----------------|--|
| Detection Limit (LOD) | 0.047µg/ml | |
| Limit and Quantitation(LOQ) | 0.142µg/ml | |



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Table 8: Summary of all the validation parameters

| Parameters | RESULTS Analyte drug DEXO | ACCEPTANCE LIMITS |
|-------------|---|---|
| Specificity | _ | No interference |
| Linearity | 0.992 | $r^2 = 0.99$ |
| Accuracy | 98.7-99.7 | 98-102% |
| Precision | System precision 0.82% & method precision 0.80% | RSD < 2% |
| Robustness | RSD< 2% | RSD < 2% |
| LOD | 0.047µg/ml | Signal noise ratio should be more than 2:1 |
| LOQ | 0.142µg/ml | Signal noise ratio should be more than 10:1 |
| Assay | 98.78% | 98-102% |

CONCLUSION:

A simple, accurate, rapid, sensitive and precise analytical method (ion-pair formation method) was developed for estimation of DEXO in its tablet dosage form using UV-Visible Spectrophotometry. HCL is used as a solvent system at temperature conditions $37^{\circ}\text{C} \pm 5^{\circ}\text{C}$. 0.05% MO dye used to form complex. The absorbance maxima were found for DEXO. The proposed method satisfies the validation criteria for all the parameters evaluated and it has found to be reliable, simple and rapid. System suitability parameters, linearity, accuracy, precision, robustness and stability according to ICH $Q_2(R_1)$ guidelines and were found to be satisfactory. Hence, it was concluded that the present method developed was well suitable for routine analysis of DEXO in its pharmaceutical dosage formulations.

CONFLICT OF INTERESTS:

The authors declare that they do not have any financial and personal relationships with other people or any other organizations that could be supply the state of the state of

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ACKNOWLEDGMENT:

The authors are thankful to Dr. K. Padmalatha, Principal and all staff members of Vijaya Institute of Pharmaceutical Sciences for Women, Vijayawada, and Andhra Pradesh for providing us the facilities for carrying out this research work.

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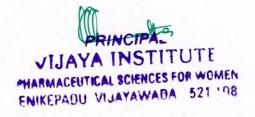
CASE STUDY LEARNING

Case studies are a written description of a real-life problem or situation. Only the facts are provided, usually in chronologic sequence similar to what would be encountered in a patient care setting. The use of cases actively involves the student in the analysis of facts and details of the case, selection of a solution to the problem, and defense of his or her solution through discussion of the case. In case-based learning, students use their recall of previously learned information to solve clinical case. The case method is used primarily to develop the skills of self-learning, critical thinking, problem identification, and decision-making. Working on subsequent cases with similar problems reinforces information recall. Case studies in the health sciences provide the personal history of an individual patient and information about one or more health problems that must be solved. The students work through the facts of the case, analyze the available data, gather more information, develop hypotheses, consider possible solutions, arrive at the optimal solution, and consider the consequences of the learner's decisions. The use of case studies and other active learning strategies will enhance the development of essential skills necessary to practice in any setting, including community, ambulatory care, primary care, health-systems, long-term care, home health care, managed care, and the pharmaceutical industry.

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| Roll No | July | Aug | Sept | Oct |
|--------------------|---------|---------|---------|---------|
| BATCH:1 (2-9) | ORTHO | NEURO | P.C/DIS | GM |
| BATCH:2 (10-17) | P.C/DIS | GM | NEURO | ORTHO |
| BATCH:3 (18-24) | NEURO | ORTHO | GM | P.C/DIS |
| BATCH:4 (25-02) | GM | P.C/DIS | ORTHO | NEURO |







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| Roll No | Nov | Dec | Jan | Feb | Mar |
|--------------------|---------|---------|---------|---------|---------|
| BATCH:1 (2-9) | ORTHO | NEURO | P.C/DIS | GM | ORTHO |
| BATCH:2 (10-17) | P.C/DIS | GM | NEURO | ORTHO | P.C/DIS |
| BATCH:3 (18-24) | NEURO | ORTHO | GM | P.C/DIS | NEURO |
| BATCH:4 (25-02) | GM | P.C/DIS | ORTHO | NEURO | GM |

BATCH-1

| S.No | Roll. No | Name Of The Student | |
|------|------------|-----------------------------------|--|
| 1 | 157N1T0002 | Bandi Akhila Sri | |
| 2 | 157N1T0003 | Jamalapurapu Sri Lakshmi Priyanka | |
| 3 | 157N1T0004 | Vemparala Lakshmi Chaitra | |
| 4 | 157N1T0005 | Achari Kandukuri Sri Vasavi | |
| 5 | 157N1T0006 | Challagundla Sukanya | |
| 6 | 157N1T0007 | Bellamkonda Harsshene | |
| 7 | 157N1T0008 | Karneni Hema | |
| 8 | 157N1T0009 | Komati Madhuri | |

BATCH-2

| S.No | Roll. No | Name Of The Student | |
|------|------------|-------------------------------------|--|
| 1 | 157N1T0010 | Madala Mounisha | |
| 2 | 157N1T0011 | Parepalli Jhansi | |
| 3 | 157N1T0012 | Appikonda Ramya Sravanthi | |
| 4 | 157N1T0013 | Yerubandi Sri Naga Sai Surya Akhila | |
| 5 | 157N1T0014 | Gottaapu Bhargavi | |
| 6 | 157N1T0015 | Shaik Hafeezunnisa | |
| 7 | 157N1T0016 | Shaik Jareena | |
| 8 | 157N1T0017 | Shaik Tanisha Bibi | |







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BATCH-3

| S.No | Roll. No | Name Of The Student | |
|------|------------|-----------------------------------|--|
| 1 | 157N1T0018 | SRI RAMA SAHITYA | |
| 2 | 157N1T0019 | MALINA NAGA VENKATA PHANI MOUNIKA | |
| 3 | 157N1T0020 | TELLAKULA INDRAJA SAI MANI | |
| 4 | 157N1T0021 | TANNIRU TEJASWI PRIYANKA | |
| 5 | 157N1T0022 | ELI LAVANYA | |
| 6 | 157N1T0023 | KANCHARLA LAVANYA REKHA | |
| 7 | 157N1T0024 | MYLIPILLI SANDHYA | |

BATCH-4

| S.No | Roll. No | NAME OF THE STUDENT | |
|------|------------|------------------------|--|
| 1 | 157N1T0025 | MANNEPALLI RAJA KUMARI | |
| 2 | 157N1T0026 | MAKKAPATI SIVAKSHARI | |
| 3 | 157N1T0027 | PALADUGU VISHNU PRIYA | |
| 4 | 157N1T0028 | H.N.S.GAYATHRI | |
| 5 | 157N1T0029 | CHINTAPALLI SAI | |
| 6 | 157N5T0101 | P. LAKSHMI MEGHANA | |
| 7 | 157N5T0102 | MOHANA MUDHITHA | |

IV/VI PHARM D HOSPITAL ROTATION PLAN(2019-2020 IV/VI PHARM D HOSPITAL ROTATION PLAN IN NEW GGH HOSPITAL FROM JUL TO OCT

| ROLL NO | JULY | AUG | SEPT | OCT |
|--------------------|---------|---------|---------|---------|
| BATCH:1 (1-8) | ORTHO | NEURO | P.C/DIS | GM |
| BATCH:2 (9-16) | P.C/DIS | GM | NEURO | ORTHO |
| BATCH:3 (17-23) | NEURO | ORTHO | GM | P.C/DIS |
| BATCH:4 (24-30) | GM | P.C/DIS | ORTHO | NEURO |







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IV/VI PHARM D HOSPITAL ROTATION PLAN IN OLD GGH FROM NOV TO MAR

| Roll No | Nov | Dec | Jan | Feb | Mar |
|--------------------|---------|---------|---------|---------|---------|
| BATCH:1 (1-8) | O&G | PSY | PED | P.C/DIS | O&G |
| BATCH:2 (9-16) | PED | P.C/DIS | PSY | O&G | PED |
| BATCH:3 (17-23) | PSY | O&G | P.C/DIS | PED | PSY |
| BATCH:4 (24-30) | P.C/DIS | PED | O&G | PSY | P.C/DIS |

BATCH-1

| S.No | Roll. No | NAME OF THE STUDENT |
|------|------------|------------------------------|
| 1 | 167N1T0001 | Thahera Mubeen |
| 2 | 167N1T0002 | Maddu Sujana |
| 3 | 167N1T0003 | Kosuri Babitha |
| 4 | 167N1T0004 | Kondepu Devi Chandana |
| 5 | 167N1T0005 | Annavarapu Naga Sai Maneesha |
| 6 | 167N1T0006 | Nalabolu Mounika |
| 7 | 167N1T0007 | Bommareddy Sowmya |
| 8 | 167N1T0008 | Yatham Ramya |

BATCH-2

| S.No | Roll. No | Name Of The Student | |
|------|------------|---------------------------|--|
| 1 | 167N1T0009 | Kolli Sireesha Tirumala | |
| 2 | 167N1T0010 | Pendyala Megana | |
| 3 | 167N1T0012 | Marati Shalini | |
| 4 | 167N1T0013 | Garikapati Chandana Priya | |
| 5 | 167N1T0014 | Swetha Mohan Kondamudi | |
| 6 | 167N1T0015 | Sajja Molya | |
| 7 | 167N1T0016 | Sava Lavanya | |







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BATCH-3

| S.No | Roll.No | Name Of The Student |
|------|------------|----------------------|
| 1 | 167N1T0017 | Pindiganti Madhuri |
| 2 | 167N1T0018 | Mudigonda Sirisha |
| 3 | 167N1T0019 | Kare Shushrutha Nadh |
| 4 | 167N1T0020 | Vemuri Nancy |
| 5 | 167N1T0021 | Bhukya Pavani |
| 6 | 167N1T0022 | Nallala Vara Lakshmi |
| 7 | 167N1T0023 | Pasupuleti Neelima |

BATCH-4

| S.No | Roll.No | Name Of The Student | |
|------|------------|---------------------------------------|--|
| 1 | 167N1T0024 | Nimmagadda Jaya Sree | |
| 2 | 167N1T0025 | Markapudi Bharathi | |
| 3 | 167N1T0026 | Palakayala Parijatha Pushpa Latha | |
| 4 | 167N1T0027 | Kethepalli Gayathri Lakshmi Sai Sudha | |
| 5 | 167N1T0028 | Sk Vaseem Najahat Fathima | |
| 6 | 167N1T0029 | Hema Sri Dendukuri | |
| 7 | 167N1T0030 | Tunikipati Sirisha | |



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| | Neurology Ward Postings | | | | | | |
|---------|-------------------------|---------------------------------|------------------------------|--|--|--|--|
| Month | Jul | Aug | Sep | Oct | | | |
| Roll No | Batch-3 (17-23) | Batch-1 (1-8) | Batch-2 (9-16) | Batch-4 (24-30) | | | |
| 1 | Pindiganti Madhuri | Thahera Mubeen | Kolli Sireesha Tirumala | Nimmagadda Jaya Sree | | | |
| 2 | Mudigonda Sirisha | Maddu Sujana | Pendyala Megana | Markapudi Bharathi | | | |
| 3 | Kare Shushrutha Nadh | Kosuri Babitha | Marati Shalini | Palakayala Parijatha Pushpa Latha | | | |
| 4 | Vemuri Nancy | Kondepu Devi Chandana | Garikapati Chandana Priya | Kethepalli Gayathri Lakshmi Sai Sudha | | | |
| 5 | Bhukya Pavani | Annavarapu Naga Sai Maneesha | Swetha Mohan Kondamudi | Sk Vaseem Najahat Fathima | | | |
| 6 | Nallala Vara Lakshmi | Nalabolu Mounika | Sajja Molya | Hema Sri Dendukuri | | | |
| 7 | Pasupuleti Neelima | Bommareddy Sowmya | Sava Lavanya | Tunikipati Sirisha | | | |
| 8 | | Yatham Ramya | | | | | |







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| S.No | Orthopaedic Ward Postings | | | | | | |
|---------|---------------------------------|----------------------|--|------------------------------|--|--|--|
| Month | Jul | Aug | Sep | Oct | | | |
| Roll No | Batch-1 (1-8) | Batch-3 (17-23) | Batch-4 (24-30) | Batch-2 (9-16) | | | |
| 1 | Thahera Mubeen | Pindiganti Madhuri | Nimmagadda Jaya Sree | Kolli Sireesha Tirumala | | | |
| 2 | Maddu Sujana | Mudigonda Sirisha | Markapudi Bharathi | Pendyala Megana | | | |
| 3 | Kosuri Babitha | Kare Shushrutha Nadh | Palakayala Parijatha Pushpa Latha | Marati Shalini | | | |
| 4 | Kondepu Devi Chandana | Vemuri Nancy | Kethepalli Gayathri Lakshmi Sai Sudha | Garikapati Chandana Priya | | | |
| 5 | Annavarapu Naga Sai Maneesha | Bhukya Pavani | Sk Vaseem Najahat Fathima | Swetha Mohan Kondamudi | | | |
| 6 | Nalabolu Mounika | Nallala Vara Lakshmi | Hema Sri Dendukuri | Sajja Molya | | | |
| 7 | Bommareddy Sowmya | Pasupuleti Neelima | Tunikipati Sirisha | Sava Lavanya | | | |
| 8 | Yatham Ramya | | | | | | |



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| S.No | General Medicine Ward Postings | | | | | | |
|---------|--|------------------------------|-------------------------|------------------------------------|--|--|--|
| Month | Jul | Aug | Sep | Oct | | | |
| Roll No | Batch-4 (24-30) | Batch-2 (9-16) | Batch-3 (17-23) | Batch-1 (1-8) | | | |
| 1 | Nimmagadda Jaya Sree | Kolli Sireesha Tirumala | Pindiganti Madhuri | Thahera Mubeen | | | |
| 2 | Markapudi Bharathi | Pendyala Megana | Mudigonda Sirisha | Maddu Sujana | | | |
| 3 | Palakayala Parijatha Pushpa Latha | Marati Shalini | Kare Shushrutha Nadh | Kosuri Babitha | | | |
| 4 | Kethepalli Gayathri Lakshmi Sai Sudha | Garikapati Chandana Priya | Vemuri Nancy | Kondepu Devi Chandana | | | |
| 5 | Sk Vaseem Najahat Fathima | Swetha Mohan Kondamudi | Bhukya Pavani | Annavarapu Naga Sai Maneesha | | | |
| 6 | Hema Sri Dendukuri | Sajja Molya | Nallala Vara Lakshmi | Nalabolu Mounika | | | |
| 7 | Tunikipati Sirisha | Sava Lavanya | Pasupuleti Neelima | Bommareddy Sowmya | | | |
| 8 | | | | Yatham Ramya | | | |







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| S.No | Dispensing Store/Patient Counselling Postings In New Ggh | | | | | |
|---------|--|--|---------------------------------|-------------------------|--|--|
| Month | Jul | Aug | Sep | Oct | | |
| Roll No | Batch-2 (9-16) | Batch-4 (24-30) | Batch-1 (1-8) | Batch-3 (17-23) | | |
| 1 | Kolli Sireesha Tirumala | Nimmagadda Jaya Sree | Thahera Mubeen | Pindiganti Madhuri | | |
| 2 | Pendyala Megana | Markapudi Bharathi | Maddu Sujana | Mudigonda Sirisha | | |
| 3 | Marati Shalini | Palakayala Parijatha Pushpa Latha | Kosuri Babitha | Kare Shushrutha Nadh | | |
| 4 | Garikapati Chandana Priya | Kethepalli Gayathri Lakshmi Sai Sudha | Kondepu Devi Chandana | Vemuri Nancy | | |
| 5 | Swetha Mohan Kondamudi | Sk Vaseem Najahat Fathima | Annavarapu Naga Sai Maneesha | Bhukya Pavani | | |
| 6 | Sajja Molya | Hema Sri Dendukuri | Nalabolu Mounika | Nallala Vara Lakshmi | | |
| 7 | Sava Lavanya | Tunikipati Sirisha | Bommareddy Sowmya | Pasupuleti Neelima | | |
| 8 | | | Yatham Ramya | | | |



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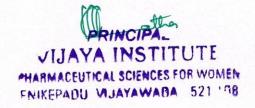
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| S.No | Psychology Ward Postings | | | | | | |
|---------|--------------------------|---------------------------------|------------------------------|--|----------------------------|--|--|
| Month | Nov | Dec | Jan | Feb | Mar | | |
| Roll No | Batch-3 (17-23) | Batch-1 (1-8) | Batch-2 (9-16) | Batch-4 (24-30) | Batch-3 (17-23) | | |
| 1 | Pindiganti Madhuri | Thahera Mubeen | Kolli Sireesha Tirumala | Nimmagadda Jaya Sree | Pindiganti Madhuri | | |
| 2 | Mudigonda Sirisha | Maddu Sujana | Pendyala Megana | Markapudi Bharathi | Mudigonda Sirisha | | |
| 3 | Kare Shushrutha Nadh | Kosuri Babitha | Marati Shalini | Palakayala Parijatha Pushpa Latha | Kare Shushrutha Nadh | | |
| 4 | Vemuri Nancy | Kondepu Devi Chandana | Garikapati Chandana Priya | Kethepalli Gayathri Lakshmi Sai Sudha | Vemuri Nancy | | |
| 5 | Bhukya Pavani | Annavarapu Naga Sai Maneesha | Swetha Mohan Kondamudi | Sk Vaseem Najahat Fathima | Bhukya Pavani | | |
| 6 | Nallala Vara Lakshmi | Nalabolu Mounika | Sajja Molya | Hema Sri Dendukuri | Nallala Vara Lakshmi | | |
| 7 | Pasupuleti Neelima | Bommareddy Sowmya | Sava Lavanya | Tunikipati Sirisha | Pasupuleti Neelima | | |
| 8 | | Yatham Ramya | | | | | |







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| S.No | Obstetrics & Gynaecology Ward Postings | | | | | | |
|---------|--|-------------------------|---|---------------------------------|------------------------------------|--|--|
| Month | Nov | Dec | Jan | Feb | Mar | | |
| Roll No | Batch-1 (1-8) | Batch-3 (17-23) | Batch-4 (24-30) | Batch-2 (9-16) | Batch-1 (1-8) | | |
| 1 | Thahera Mubeen | Pindiganti Madhuri | Nimmagadda Jaya Sree | Kolli Sireesha Tirumala | Thahera Mubeen | | |
| 2 | Maddu Sujana | Mudigonda Sirisha | Markapudi Bharathi | Pendyala Megana | Maddu Sujana | | |
| 3 | Kosuri Babitha | Kare Shushrutha Nadh | Palakayala Parijatha Pushpa Latha | Marati Shalini | Kosuri Babitha | | |
| 4 | Kondepu Devi Chandana | Vemuri Nancy | Kethepalli Gayathri Lakshmi Sai Sudha | Garikapati Chandana Priya | Kondepu Devi Chandana | | |
| 5 | Annavarapu Naga Sai Maneesha | Bhukya Pavani | Sk Vaseem Najahat Fathima | Swetha Mohan Kondamudi | Annavarapu Naga Sai Maneesha | | |
| 6 | Nalabolu Mounika | Nallala Vara Lakshmi | Hema Sri Dendukuri | Sajja Molya | Nalabolu Mounika | | |
| 7 | Bommareddy Sowmya | Pasupuleti Neelima | Tunikipati Sirisha | Sava Lavanya | Bommareddy Sowmya | | |
| 8 | Yatham Ramya | | | | Yatham Ramya | | |



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| S.No | Paediatric Ward Postings | | | | | | |
|---------|------------------------------|--|---------------------------------|----------------------------|---------------------------------|--|--|
| Month | Nov | Dec | Jan | Feb | Mar | | |
| Roll No | Batch-2 (9-16) | Batch-4 (24-30) | Batch-1 (1-8) | Batch-3 (17-23) | Batch-2 (9-16) | | |
| 1 | Kolli Sireesha Tirumala | Nimmagadda Jaya Sree | Thahera Mubeen | Pindiganti Madhuri | Kolli Sireesha Tirumala | | |
| 2 | Pendyala Megana | Markapudi Bharathi | Maddu Sujana | Mudigonda Sirisha | Pendyala Megana | | |
| 3 | Marati Shalini | Palakayala Parijatha Pushpa Latha | Kosuri Babitha | Kare Shushrutha Nadh | Marati Shalini | | |
| 4 | Garikapati Chandana Priya | Kethepalli Gayathri Lakshmi Sai Sudha | Kondepu Devi Chandana | Vemuri Nancy | Garikapati Chandana Priya | | |
| 5 | Swetha Mohan Kondamudi | Sk Vaseem Najahat Fathima | Annavarapu Naga Sai Maneesha | Bhukya Pavani | Swetha Mohan Kondamudi | | |
| 6 | Sajja Molya | Hema Sri Dendukuri | Nalabolu Mounika | Nallala Vara Lakshmi | Sajja Molya | | |
| 7 | Sava Lavanya | Tunikipati Sirisha | Bommareddy Sowmya | Pasupuleti Neelima | Sava Lavanya | | |
| 8 | | | Yatham Ramya | | | | |



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| S.No | Dispensing Store/Patient Counselling Postings In Old GGH | | | | | | | |
|---------|--|------------------------------|-------------------------|------------------------------------|--|--|--|--|
| Month | Nov | Dec | Jan | Feb | Mar | | | |
| Roll No | Batch-4 (24-30) | Batch-2 (9-16) | Batch-3 (17-23) | Batch-1 (1-8) | Batch-4 (24-30) | | | |
| 1 | Nimmagadda Jaya Sree | Kolli Sireesha Tirumala | Pindiganti Madhuri | Thahera Mubeen | Nimmagadda Jaya Sree | | | |
| 2 | Markapudi Bharathi | Pendyala Megana | Mudigonda Sirisha | Maddu Sujana | Markapudi Bharathi | | | |
| 3 | Palakayala Parijatha Pushpa Latha | Marati Shalini | Kare Shushrutha Nadh | Kosuri Babitha | Palakayala Parijatha Pushpa Latha | | | |
| 4 | Kethepalli Gayathri Lakshmi Sai Sudha | Garikapati Chandana Priya | Vemuri Nancy | Kondepu Devi Chandana | Kethepalli Gayathri Lakshmi Sai Sudha | | | |
| 5 | Sk Vaseem Najahat Fathima | Swetha Mohan Kondamudi | Bhukya Pavani | Annavarapu Naga Sai Maneesha | Sk Vaseem Najahat Fathima | | | |
| 6 | Hema Sri Dendukuri | Sajja Molya | Nallala Vara Lakshmi | Nalabolu Mounika | Hema Sri Dendukuri | | | |
| 7 | Tunikipati Sirisha | Sava Lavanya | Pasupuleti Neelima | Bommareddy Sowmya | Tunikipati Sirisha | | | |
| 8 | | | | Yatham Ramya | | | | |



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III/VI PHARM D HOSPITAL ROTATION PLAN(2019-2020) III/VI PHARM.D HOSPITAL ROTATION PLAN IN OLD GGH HOSPITAL FROM JUL TO OCT

| Roll No | Jul | Aug | Sept | Oct |
|--------------------|------|------|------|------|
| BATCH:1 (1-8) | PSY | O&G | DISP | PED |
| BATCH:2 (9-16) | DISP | PED | O&G | PSY |
| BATCH:3 (17-23) | O&G | PSY | PED | DISP |
| BATCH:4 (24-30) | PED | DISP | PSY | O&G |

III/VI PHARM.D HOSPITAL ROTATION PLAN IN NEW GGH HOSPITAL FROM NOV TO MAR

| Roll No | Nov | Dec | Jan | Feb | Mar |
|--------------------|-------|-------|-------|-------|-------|
| BATCH:1 (1-8) | NEURO | ORTHO | GM | DISP | NEURO |
| BATCH:2 (9-16) | GM | DISP | ORTHO | NEURO | GM |
| BATCH:3 (17-23) | ORTHO | NEURO | DIS | GM | ORTHO |
| BATCH:4 (24-30) | DIS | GM | NEURO | ORTHO | DIS |

BATCH-1

| S.No | Roll.No | Name Of The Student |
|------|------------|------------------------|
| 1 | 177N1T0001 | Sumaiya Saleem |
| 2 | 177N1T0002 | Kondaveeti Parameswari |
| 3 | 177N1T0003 | Bollineni Swathi |
| 4 | 177N1T0004 | Gudela Haritha |
| 5 | 177N1T0005 | Indurthi Bharathi |
| 6 | 177N1T0006 | Panguluri Nadiya |
| 7 | 177N1T0007 | Hanisha Jangala |
| 8 | 177N1T0008 | Makkena Pallavi |



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Batch-2

| S.No | Roll.No | Name Of The Student | | |
|------|------------|-----------------------------|--|--|
| 1 | 177N1T0009 | Maadu Sri Lakshmi | | |
| 2 | 177N1T0010 | Golla Shiny | | |
| 3 | 177N1T0011 | Vuddanti Meghana | | |
| 4 | 177N1T0012 | Thati Sravani | | |
| 5 | 177N1T0013 | Jyothsna Kumari Kavilikatta | | |
| 6 | 177N1T0014 | Bezawada Vijaya Sainika | | |
| 7 | 177N1T0015 | Sali Nancy | | |
| 8 | 177N1T0016 | Shaik Chandini | | |

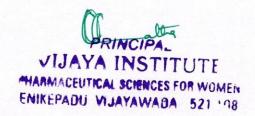
Batch-3

| S.No | Roll.No | Name Of The Student | |
|------|------------|----------------------------|--|
| 1 | 177N1T0017 | Tirumalasetti Maha Lakshmi | |
| 2 | 177N1T0018 | Katragadda Uma Maheswari | |
| 3 | 177N1T0019 | G N J V L Sarada Sri | |
| 4 | 177N1T0020 | Vydani Uma Maheswari | |
| 5 | 177N1T0021 | Perichrla Tejaswi | |
| 6 | 177N1T0022 | Jonnalagadda Vineela | |
| 7 | 177N1T0023 | Nandamuri Sri Thanmayi | |

Batch- 4

| S.No | Roll.No Name Of The Student | | | |
|------|-----------------------------|-----------------------------|--|--|
| 1 | 177N1T0024 | Pedapudi Kiran Swetha | | |
| 2 | 177N1T0025 | Vallapu Prathyusha | | |
| 3 | 177N1T0026 | Lakshmi Priya Ghantasala | | |
| 4 | 177N1T0027 | Mandadapu Naga Jyotsna | | |
| 5 | 177N1T0028 | Devagupthapu Kunthitha Devi | | |
| 6 | 177N1T0029 | Dandala Blessy Lydia | | |
| 7 | 177N1T0030 | Thommandru Aswini Teja | | |







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| S.No | Psychology Ward Postings | | | | | |
|---------|---------------------------|-------------------------------|--------------------------------|--------------------------------|--|--|
| Month | Jul | Aug | Sep | Oct | | |
| Roll No | Batch-1 (1-8) | Batch-3 (17-23) | Batch-4 (24-30) | Batch-2 (9-16) | | |
| 1 | Sumaiya Saleem | Tirumalasetti Maha Lakshmi | Pedapudi Kiran Swetha | Maadu Sri Lakshmi | | |
| 2 | Kondaveeti Parameswari | Katragadda Uma Maheswari | Vallapu Prathyusha | Golla Shiny | | |
| 3 | Bollineni Swathi | G N J V L Sarada Sri | Lakshmi Priya Ghantasala | Vuddanti Meghana | | |
| 4 | Gudela Haritha | Vydani Uma Maheswari | Mandadapu Naga Jyotsna | Thati Sravani | | |
| 5 | Indurthi Bharathi | Perichrla Tejaswi | Devagupthapu Kunthitha Devi | Jyothsna Kumari Kavilikatta | | |
| 6 | Panguluri Nadiya | Jonnalagadda Vineela | Dandala Blessy Lydia | Bezawada Vijaya Sainika | | |
| 7 | Hanisha Jangala | Nandamuri Sri Thanmayi | Thommandru Aswini Teja | Sali Nancy | | |
| 8 | Makkena Pallavi | | | Shaik Chandini | | |



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| S.No | | Obstetrics & Gynaec | cology Ward Postings | | |
|---------|-------------------------------|---------------------------|--------------------------------|--------------------------------|--|
| Month | Jul | Aug | Sep | Oct | |
| Roll No | Batch-3 (17-23) | Batch-1 (1-8) | Batch-2 (9-16) | Batch-4 (24-30) | |
| 1 | Tirumalasetti Maha Lakshmi | Sumaiya Saleem | Maadu Sri Lakshmi | Pedapudi Kiran Swetha | |
| 2 | Katragadda Uma Maheswari | Kondaveeti Parameswari | Golla Shiny | Vallapu Prathyusha | |
| 3 | G N J V L Sarada Sri | Bollineni Swathi | Vuddanti Meghana | Lakshmi Priya Ghantasala | |
| 4 | Vydani Uma Maheswari | Gudela Haritha | Thati Sravani | Mandadapu Naga Jyotsna | |
| 5 | Perichrla Tejaswi | Indurthi Bharathi | Jyothsna Kumari Kavilikatta | Devagupthapu Kunthitha Devi | |
| 6 | Jonnalagadda Vineela | Panguluri Nadiya | Bezawada Vijaya Sainika | Dandala Blessy Lydia | |
| 7 | Nandamuri Sri Thanmayi | Hanisha Jangala | Sali Nancy | Thommandru Aswini Teja | |
| 8 | | Makkena Pallavi | Shaik Chandini | | |



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| S.No | Paediatric Ward Postings | | | | | | |
|---------|--------------------------------|--------------------------------|-------------------------------|---------------------------|--|--|--|
| Month | Jul | Aug | Sep | Oct | | | |
| Roll No | Batch-4 (24-30) | Batch-2 (9-16) | Batch-3 (17-23) | Batch-1 (1-8) | | | |
| 1 | Pedapudi Kiran Swetha | Maadu Sri Lakshmi | Tirumalasetti Maha Lakshmi | Sumaiya Saleem | | | |
| 2 | Vallapu Prathyusha | Golla Shiny | Katragadda Uma Maheswari | Kondaveeti Parameswari | | | |
| 3 | Lakshmi Priya Ghantasala | Vuddanti Meghana | G N J V L Sarada Sri | Bollineni Swathi | | | |
| 4 | Mandadapu Naga Jyotsna | Thati Sravani | Vydani Uma Maheswari | Gudela Haritha | | | |
| 5 | Devagupthapu Kunthitha Devi | Jyothsna Kumari Kavilikatta | Perichrla Tejaswi | Indurthi Bharathi | | | |
| 6 | Dandala Blessy Lydia | Bezawada Vijaya Sainika | Jonnalagadda Vineela | Panguluri Nadiya | | | |
| 7 | Thommandru Aswini Teja | Sali Nancy | Nandamuri Sri Thanmayi | Hanisha Jangala | | | |
| 8 | | Shaik Chandini | | Makkena Pallavi | | | |



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| S.No | Dispensing Store Postings In Old GGH | | | | | | |
|---------|--------------------------------------|-----------------------------|---------------------------|-------------------------------|--|--|--|
| Month | Jul | Aug | Sep | Oct | | | |
| Roll No | Batch-2 (9-16) | Batch-4 (24-30) | Batch-1 (1-8) | Batch-3 (17-23) | | | |
| 1 | Maadu Sri Lakshmi | Pedapudi Kiran Swetha | Sumaiya Saleem | Tirumalasetti Maha Lakshmi | | | |
| 2 | Golla Shiny | Vallapu Prathyusha | Kondaveeti Parameswari | Katragadda Uma Maheswari | | | |
| 3 | Vuddanti Meghana | Lakshmi Priya Ghantasala | Bollineni Swathi | G N J V L Sarada Sri | | | |

| 4 | Thati Sravani | Mandadapu Naga Jyotsna | Gudela Haritha | Vydani Uma Maheswari |
|---|--------------------------------|--------------------------------|-------------------|---------------------------|
| 5 | Jyothsna Kumari Kavilikatta | Devagupthapu Kunthitha Devi | Indurthi Bharathi | Perichrla Tejaswi |
| 6 | Bezawada Vijaya Sainika | Dandala Blessy Lydia | Panguluri Nadiya | Jonnalagadda Vineela |
| 7 | Sali Nancy | Thommandru Aswini Teja | Hanisha Jangala | Nandamuri Sri Thanmayi |
| 8 | Shaik Chandini | | Makkena Pallavi | |



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| S.No | | Neurology Ward Postings | | | | | | |
|------------------|---------------------------|-------------------------------|--------------------------------|-----------------------------------|---------------------------|--|--|--|
| Month Roll No | Nov Dec | | Jan | Feb | Mar | | | |
| | Batch-1 (1-8) | Batch-3 (17-23) | Batch-4 (24-30) | Batch-2 (9-16) | Batch-1 (1-8) | | | |
| 1 | Sumaiya Saleem | Tirumalasetti Maha Lakshmi | Pedapudi Kiran Swetha | Maadu Sri Lakshmi | Sumaiya Saleem | | | |
| 2 | Kondaveeti Parameswari | Katragadda Uma Maheswari | Vallapu Prathyusha | Golla Shiny | Kondaveeti Parameswari | | | |
| 3 | Bollineni Swathi | G N J V L Sarada Sri | Lakshmi Priya Ghantasala | Vuddanti Meghana | Bollineni Swathi | | | |
| 4 | Gudela Haritha | Vydani Uma Maheswari | Mandadapu Naga Jyotsna | Thati Sravani | Gudela Haritha | | | |
| 5 | Indurthi Bharathi | Perichrla Tejaswi | Devagupthapu Kunthitha Devi | Jyothsna Kumari Kavilikatta | Indurthi Bharathi | | | |
| 6 | Panguluri Nadiya | Jonnalagadda Vineela | Dandala Blessy Lydia | Bezawada Vijaya Sainika | Panguluri Nadiya | | | |
| 7 | Hanisha Jangala | Nandamuri Sri Thanmayi | Thommandru Aswini Teja | Sali Nancy | Hanisha Jangala | | | |
| 8 | Makkena Pallavi | | | Shaik Chandini | Makkena Pallavi | | | |



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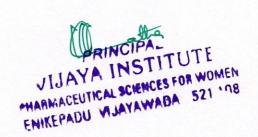


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| S.No | Orthopaedic Ward Postings | | | | | | |
|------------|-------------------------------|---------------------------|--------------------------------|-----------------------------------|----------------------------------|--|--|
| Month | Nov | Dec | Jan | Feb | Mar | | |
| Roll No | Batch-3 (17-23) | Batch-1 (1-8) | Batch-2 (9-16) | Batch-4 (24-30) | Batch-3 (17-23) | | |
| 1 | Tirumalasetti Maha Lakshmi | Sumaiya Saleem | Maadu Sri Lakshmi | Pedapudi Kiran Swetha | Tirumalasetti Maha Lakshmi | | |
| 2 | Katragadda Uma Maheswari | Kondaveeti Parameswari | Golla Shiny | Vallapu Prathyusha | Katragadda Uma Maheswari | | |
| 3 | G N J V L Sarada Sri | Bollineni Swathi | Vuddanti Meghana | Lakshmi Priya Ghantasala | G N J V L Sarada Sri | | |
| 4 | Vydani Uma Maheswari | Gudela Haritha | Thati Sravani | Mandadapu Naga Jyotsna | Vydani Uma Maheswari | | |
| 5 | Perichrla Tejaswi | Indurthi Bharathi | Jyothsna Kumari Kavilikatta | Devagupthapu Kunthitha Devi | Perichrla Tejaswi | | |
| 6 | Jonnalagadda Vineela | Panguluri Nadiya | Bezawada Vijaya Sainika | Dandala Blessy Lydia | Jonnalagadda Vineela | | |
| 7 | Nandamuri Sri Thanmayi | Hanisha Jangala | Sali Nancy | Thommandru Aswini Teja | Nandamuri Sri Thanmayi | | |
| 8 | | Makkena Pallavi | Shaik Chandini | | | | |







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| S.No | General Medicine Ward Postings | | | | | | |
|------------|--------------------------------|--------------------------------|---------------------------|----------------------------------|-----------------------------------|--|--|
| Month | Nov | Dec | Jan | Feb | Mar | | |
| Roll No | Batch-2 (9-16) | Batch-4 (24-30) | Batch-1 (1-8) | Batch-3 (17-23) | Batch-2 (9-16) | | |
| 1 | Maadu Sri Lakshmi | Pedapudi Kiran Swetha | Sumaiya Saleem | Tirumalasetti Maha Lakshmi | Maadu Sri Lakshmi | | |
| 2 | Golla Shiny | Vallapu Prathyusha | Kondaveeti Parameswari | Katragadda Uma Maheswari | Golla Shiny | | |
| 3 | Vuddanti Meghana | Lakshmi Priya Ghantasala | Bollineni Swathi | GNJVL Sarada Sri | Vuddanti Meghana | | |
| 4 | Thati Sravani | Mandadapu Naga Jyotsna | Gudela Haritha | Vydani Uma Maheswari | Thati Sravani | | |
| 5 | Jyothsna Kumari Kavilikatta | Devagupthapu Kunthitha Devi | Indurthi Bharathi | Perichrla Tejaswi | Jyothsna Kumari Kavilikatta | | |
| 6 | Bezawada Vijaya Sainika | Dandala Blessy Lydia | Panguluri Nadiya | Jonnalagadda Vineela | Bezawada Vijaya Sainika | | |
| 7 | Sali Nancy | Thommandru Aswini Teja | Hanisha Jangala | Nandamuri Sri Thanmayi | Sali Nancy | | |
| 8 | Shaik Chandini | | Makkena Pallavi | | Shaik Chandini | | |



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| S.No | | Dispensing | Store Postings In No | ew Gh | |
|------------|--------------------------------|--------------------------------|-------------------------------|---------------------------|-----------------------------------|
| Month | Nov | Dec | Jan | Feb | Mar |
| Roll No | Batch-4 (24-30) | Batch-2 (9-16) | Batch-3 (17-23) | Batch-1 (1-8) | Batch-4 (24-30) |
| 1 | Pedapudi Kiran Swetha | Maadu Sri Lakshmi | Tirumalasetti Maha Lakshmi | Sumaiya Saleem | Pedapudi Kiran Swetha |
| 2 | Vallapu Prathyusha | Golla Shiny | Katragadda Uma Maheswari | Kondaveeti Parameswari | Vallapu Prathyusha |
| 3 | Lakshmi Priya Ghantasala | Vuddanti Meghana | G N J V L Sarada Sri | Bollineni Swathi | Lakshmi Priya Ghantasala |
| 4 | Mandadapu Naga Jyotsna | Thati Sravani | Vydani Uma Maheswari | Gudela Haritha | Mandadapu Naga Jyotsna |
| 5 | Devagupthapu Kunthitha Devi | Jyothsna Kumari Kavilikatta | Perichrla Tejaswi | Indurthi Bharathi | Devagupthapu Kunthitha Devi |
| 6 | Dandala Blessy Lydia | Bezawada Vijaya Sainika | Jonnalagadda Vineela | Panguluri Nadiya | Dandala Blessy Lydia |
| 7 | Thommandru Aswini Teja | Sali Nancy | Nandamuri Sri Thanmayi | Hanisha Jangala | Thommandru Aswini Teja |
| 8 | | Shaik Chandini | | Makkena Pallavi | |



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