

SRI PADMAVATHI SCHOOL OF PHARMACY

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor (PO), Chittoor (Dist.), AP - 517503
(Accredited by NAAC "A" Grade, Accredited by NBA (for UG-Pharmacy up to 2025), Approved by AICTE & PCI,
New Delhi, Affiliated to JNTUA, Ananthapuramu, Recognized Under 2(f) & 12(B) of UGC Act.)



SPSP-DARPANAM

(JULY 2024- SEPTEMBER 2024)

QUARTERLY COLLEGE MAGAZINE



From the Chairperson's desk....



Our vision is based on hard work, open communication, a strong emphasis on team work and a high level of responsibility. This visionary culture allows and emphasizes our wards not only to adopt the present-day challenges but also individual responsibilities to the society and our nation at large. Learning should be based on doing things and not merely knowing things. Until and unless learning solutions relate to real life and motivate the learner to acquire and apply the knowledge, the whole process will remain superficial. Our institution has set specific objectives and planned activities for achieving excellence in all spheres of technical education.

I take this opportunity to express that every effort is made to improve the existing best services to bring out the best for the welfare of our institution and the growth of our students. **With best wishes**

Yours Smt. P.Sulochana

From the Director desk...



We cannot always build the future for our youth, but we can build our youth for the future."

I am quite pleased to learn about the forthcoming issue of the college magazine

Dear students, "You are the nation-builders. You are the movers of technology. You are the agents of change." It is our **STRONG BELIEF** that the years that you spend in SPSP would enable you to equip with leadership and managerial skills.

"You don't have to be great to start, but you have to start to be great."
With best wishes

Yours Mr.P.Praneeth

From the Principal desk....



The prestigious, Sri Padmavathi School of Pharmacy, since its inception in 1997 has made remarkable progress by following the mantra of student centric approach, whether it is in academics or in extra co-curricular activities. The institute possesses a state of art infrastructure with equipped laboratories, well stocked library and highly qualified faculty. We at, SPSP introduce our students to the Outcome Based Education and trained with skills in various disciplines.

In addition to developing excellent scientific and clinical based skills, the students are motivated not only to dream big but also encouraged to think unconventionally to face the challenges of the future and provide platform for Entrepreneurship.

Sports and other co-curricular activities are encouraged and the students are given every form of support to develop their talents in all fields. Our brand of education does not have narrow horizons, we believe in exposure. Our students are encouraged to widen their knowledge base and study beyond the confines of the syllabus.

With best wishes

Yours Dr.D.Ranganayakulu

Editor's message



A thought that has been enduring in mind when it becomes real; is truly an interesting and exciting experience. This news letter was one such cherished work that had its roots in the persuasion.

“Good leaders create a vision, articulate a vision and passionately owns a vision and turn it into a reality” - Jack Welch.

Coming to the collage magazine, I expect full cooperation from my fellow students and peers. New ideas, new sections in the issue of 2021 are always welcome by the Editorial Board. The editorial board is looking forward to make this magazine a vehicle for students to express their innermost thoughts.

I would like to thank all my editorial team members for helping me pull this through. I These contributions have required a generous amount of time and effort. It is this willingness to share knowledge, concerns and special insights with fellow beings that has made this magazine possible.

Thank you all!!

Dr.A. Srinivasa Charan

Vision

Promote holistic learning, nurture ethically strong and highly competent pharmacy graduates to serve the global healthcare system.

Mission

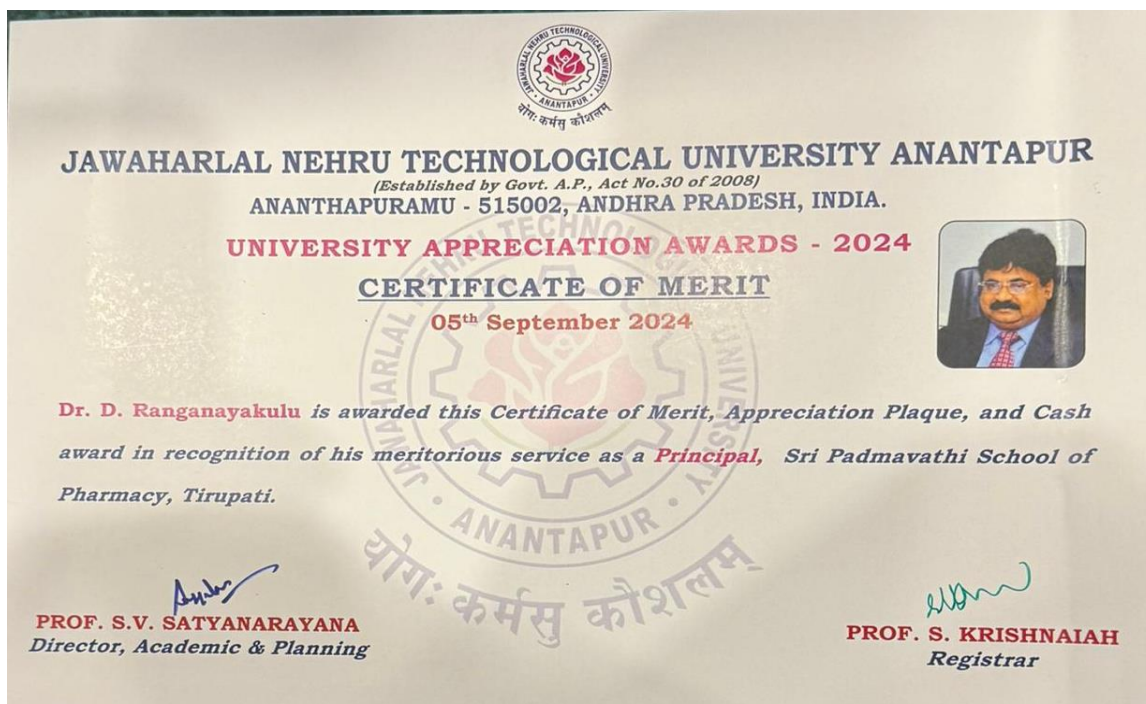
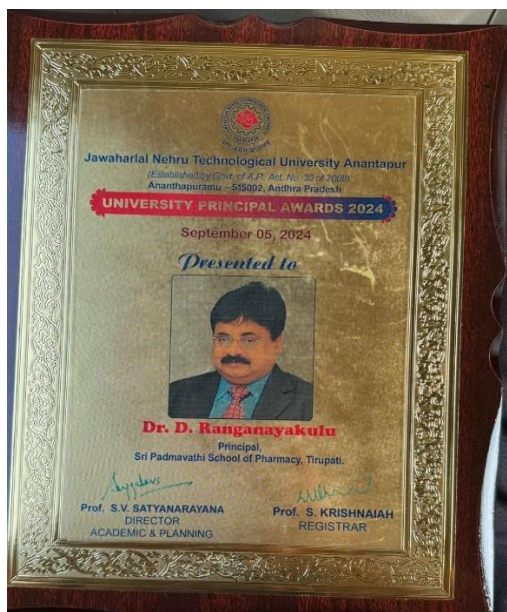
- M1:** To provide innovative and contemporary educational experiences of the highest quality.
- M2:** To instill ethics, sense of professionalism, communication and leadership skills.
- M3:** To promote and nurture the research and scholarly activities.
- M4:** To foster entrepreneurship and life-long learning.

Program Educational Objectives (PEOs)

- PEO1:** To produce competent pharmacy graduates with adequate knowledge and technical skills in the core and allied areas of pharmaceutical sciences & technology and to serve the needs of the health care system.
- PEO2:** To promote research and scholarly activities to identify, assess, formulate problem and execute solutions for the betterment or advancement of pharmaceutical sciences.
- PEO3:** To develop communication skills, leadership qualities, team building skills and instill the sense of professional ethics and social responsibilities in graduates.
- PEO4:** To prepare the graduates for life-long learning through their effective participation in professional and societal activities, integrate their knowledge and skills with contemporary needs of the society and for their highly productive career.

Awards to the faculty

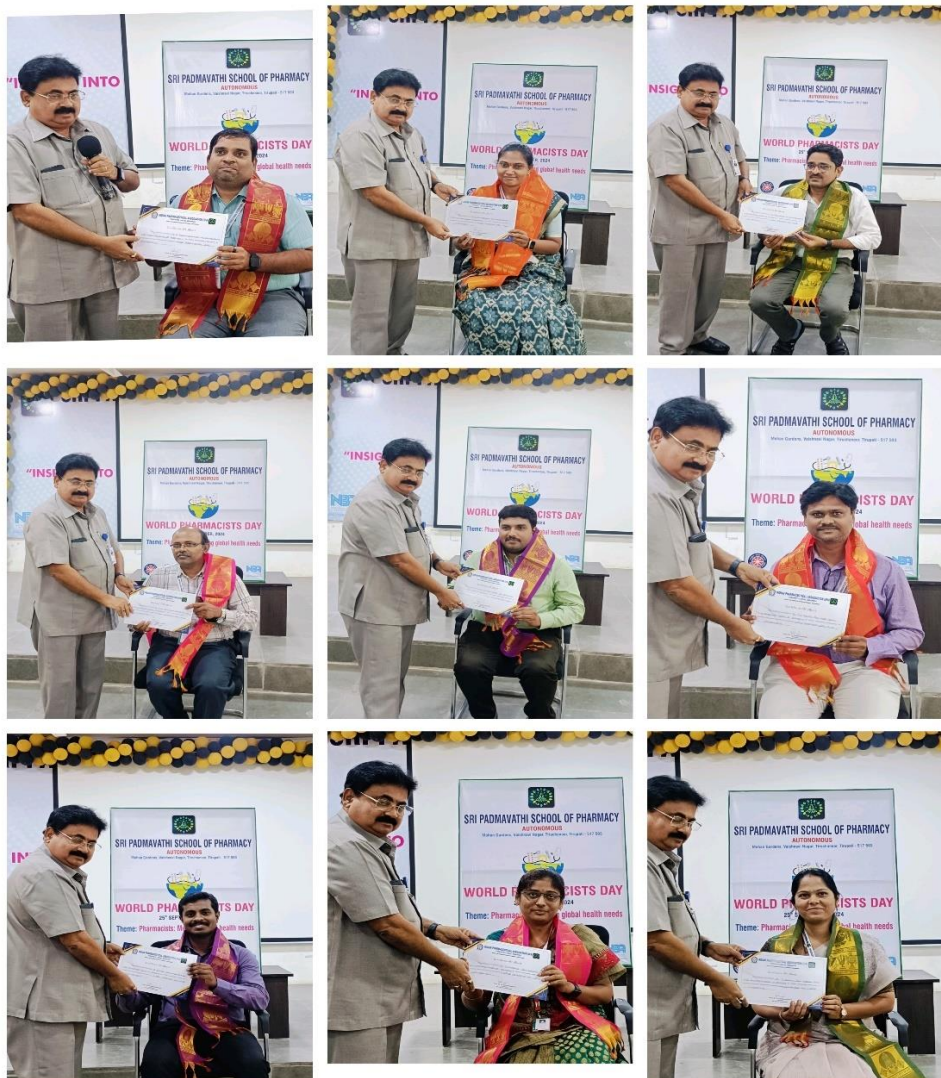
- Our respected Principal Prof. D Ranganayakulu garu received Best Principal award 2024 from Jawaharlal Nehru Technological University, Ananthapuramu.



- Mrs. P. Lakshmi awarded with Doctor of philosophy from Sri padmavathi mahila Visvavidyalayam, institute of pharmaceutical technology, Tirupathi.

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- On occasion of pharmacist day 2024, the awards of excellence were presented to the faculty members as following best teacher award- Dr. A Srinivas Charan, Dr. P. Keerthi Sikha, best academic excellence award- Dr. T. S. Durga prasad, Dr.D. Koteswarara Sarma, Best paper award-Dr. P. Balaji, Dr. K. Ramesh Reddy, best researcher award- Dr. B. Kishore, Dr. M Himasaila, Dr.P. Lakshmi.



- On view of world pharmacist day 2024 in acknowledgement of best services provided in SVIMS, hospital, the best hospital pharmacist award was given to Dr. M. Venkateswarulu.



❖ Guest lectures and workshops

- A two days national seminar on “Insight into the strategy for drug discovery and development (InS3D)” on 23rd & 24th august 2024 was organized by department of pharmaceutical chemistry. The Program was inaugurated by Prof.Dr.D.Ranganayakulu, Chair Person of Seminar and today's Guest of honour Dr.Venugopal, Principal of Krishna Teja Pharmacy College. Two sessions were conducted in the morning followed by poster and oral presentations in the afternoon. First session was by Dr.A Sunil Kumar Reddy on the topic " Fundamentals of Drug Discovery and Development" Scientist of CRD, Aurabindo Pharmaceutical Ltd.Prof.Dr.S.Vijayaraj HoD, Pharmaceutical Chemistry, Dr.Kalam College of Pharmacy, Thanjavur delivered on "Chemometric Assisted Analytical Method Development in Drug Discovery".On Day 2 Dr.T.S.Saraswathi, Asso Professor, SRM college of Pharmacy, Chennai delivered topic on lead discovery and lead optimization combination in drug processing.Finally the function of completed by cultural programmes from different group of students and appreciated.65 students presented e-Poster and 30 students presented Oral presentation in various works on Drug Discovery and Development.Over all 218 delegates from various colleges like Krishna Teja Pharmacy College, Seven Hills College of Pharmacy and Sri Padmavathi Mahila Viswavidyalayam including students of Sri Padmavathi School of Pharmacy actively participated and organized with well decorative manner in the National Seminar.





- In the view of world breast feeding awareness week 2024 an awareness rally was conducted on 05-08-2024 with the theme of “closing the gap: breast feeding support for all”. The rally was inaugurated by Dr.G.Raviprabhu, medical superintendent and Dr.B.Manohar, HOD, Pediatrics. Our Pharm D students participated in rally along with medical and nursing staff and students of SVRRGG(RUIA) hospital. Tirupati.



- NSS ACTIVITIES**

- The campaign on “Har Ghar Tiranga” was organized by NSS volunteers in mullapudi village, Tiruchanoor on 13th august, 2024. The campaign is an initiative to encourage people to bring the Indian National Flag, or Tiranga, into their homes and hoist it to celebrate the country's independence.



- 78th Independence Day was celebrated by hoisting our National Flag by our Chairperson, Smt. P. Sulochana garu. In regard of the students sang national songs, perform parade and speeches on the importance of celebrating Independence Day.





- The awareness program on mosquito borne diseases was organised in mullapudi village on 24-09-2024. The importance of eradication of mosquitos in surroundings and maintain proper cleanliness around houses and surroundings was explained to public.



- The rally was organised in view of world pharmacist day in mullapudi village to create awareness regarding importance of taking medications as per prescription.



- Teacher's Day was grandly celebrated at our campus by our students of B.Pharm, Pharm.D and M.Pharm. Students conducted various games which include shuttle, tennikoit, carroms, chess, volleyball and cricket to the teachers and given prizes to the winners. Students also felicitated faculty as a mark of respect to their teachers.





- The world pharmacist day was celebrated on September 25th 2024 with the theme “Pharmacists: Meeting global health needs”. Pharm D students done patient counselling in SVRRGH hospital and educated patients regarding safe use of medication to reduce adverse events.

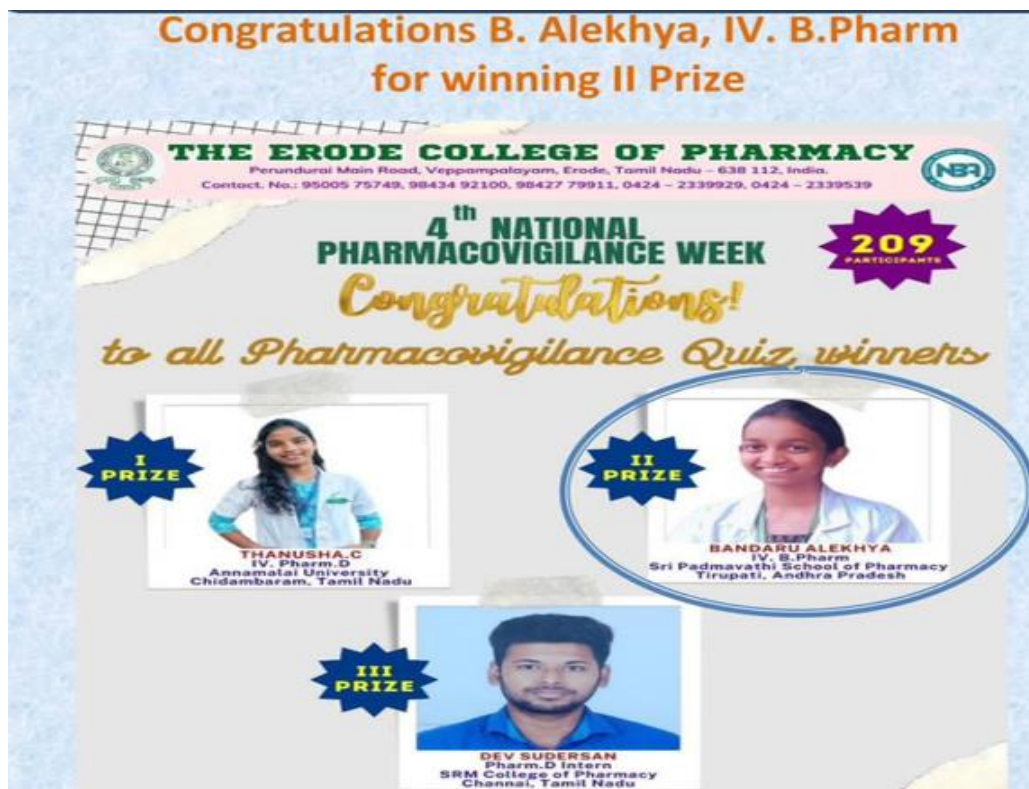


- All local pharmacy colleges, pharmacists in association with IPT, Tirupati branch are celebrated world pharmacist day 2024 celebrations in mahathi auditorium, Tirupati. All eminent people in pharmacy field were participated. The delegates were honored with felicitation.



STUDENT ACHIVEMENTS & CONFERENCE VISITS

- **Bandaru Alekhya, B Pharm IV year won 2nd place** in 4th national pharmacovigilance week-quiz competition organised by Erode college of pharmacy, Erode, Tamil Nadu.



- Pharm D IV year students attended two-day national conference titled as “emerging trends in clinical pharmacology research and pharmacy practice”, organized by JSS college of pharmacy OOTY on September 14th and 15th 2024.



❖ New pharma innovations in 2024(January- March)

➤ Advancing robotic automation



Pharmaceutical manufacturers continue to look to automation for efficient fill/finish of parenteral drugs, and new robotic automation technologies offer the opportunity to further improve flexibility and efficiency. New robotic technologies also aim to eliminate the need to open an isolator to perform interventions to better comply with the European requirements for closed systems.

A new robotic filling machine that uses a magnetically levitated system to transport containers (e.g., vials, syringes, cartridges) instead of conventional mechanical transport. The most significant benefit of this planar motor technology is lower particle generation due to the “zero friction” motion as containers are transported from one station to another, the company explains. Robots are used for loading and unloading, which allows a closed system that is designed for flexibility. The robotic arms can handle multiple container formats, which means it needs fewer change parts.

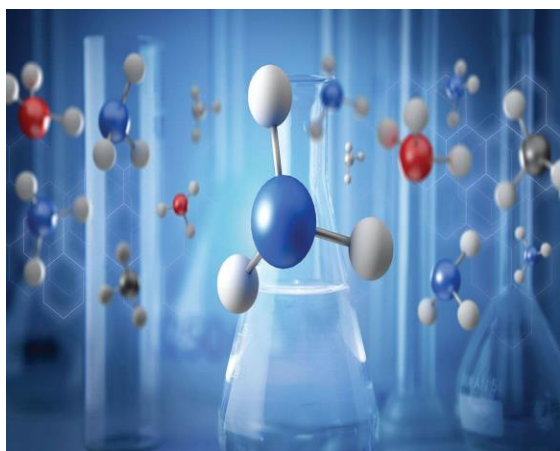
➤ Its all about the small things



Independent of the type of medicine or dosage form, whether it be a solid-dose pill for treating headaches or a pre-filled biologic to treat autoimmune disorders, the materials that create drugs are the building blocks for treatment. These materials must meet certain qualifications in order to be used in a medicine. Manufacturers and providers of these ingredients, be they APIs or excipients, also must meet qualifications to ensure a safe and effective final drug product.

Contract development and manufacturing organizations (CDMOs) and contract manufacturing organizations (CMOs), especially those offering end-to-end services to sponsors, play a role in the sourcing, testing, and qualifying of drug materials and the companies that manufacture them.

➤ Molecular modeling in formulation development:



The potential benefits afforded by molecular modeling when applied to formulation development are, in fact, numerous. Molecular modeling tools, while initially applied to enhance drug-discovery efforts, are increasingly used to inform other aspects of drug development. Formulation development, which traditionally has been performed using physical experimentation in a time-consuming trial-and-error approach, is one area that can particularly benefit from *in silico* analyses.

“While the use of molecular modeling tools has historically been used extensively in the drug discovery setting, application to formulation development has been slowly evolving.

FDA NEWLYAPPROVED DRUGS 2024(January - March)

No.	Drug Name	Active Ingredient	Approval Date	FDA-approved use on approval date*
1	Kisunla	donanemab-azbt	2/7/2024	To treat Alzheimer's disease
2	Leqselvi	deuruxolitinib	25/7/2024	To treat severe alopecia areata
3	Voranigo	vorasidenib	6/8/2024	To treat Grade 2 astrocytoma or oligodendroglioma
4	Yorvipath	palopegteriparatide	9/8/2024	To treat hypoparathyroidism
5	Nemluvio	nemolizumab-ilto	12/8/2024	To treat prurigo nodularis
6	Niktimvo	axatilimab-csfr	14/8/2024	To treat chronic graft-versus-host disease (cGVHD)
7	Livdelzi	seladelpar	14/8/2024	To treat primary biliary cholangitis (PBC)
8	Lazcluze	Lazertinib	19/8/2024	To treat non-small cell lung cancer
9	Ebglyss	lebrikizumab-lbkz	13/9/2024	To treat moderate-to-severe atopic dermatitis
10	Miplyffa	arimoclomol	20/9/2024	To treat Niemann-Pick disease type C
11	Aqneursa	levacetylleucine	24/9/2024	To treat Niemann-Pick disease type C
12	Cobenfy	xanomeline and trospium chloride	26/9/2024	To treat schizophrenia
13	Flyrcado	flurpiridaz F 18	27/9/2024	A radioactive diagnostic drug to evaluate for myocardial ischemia and infarction

REPORTED ADRS TO AMC UNDER PVPI

S.NO	Report ID	AMC Report No.	World wide unique No.	Patient initials
1	Gastritis: ATT	SVMC/Jul-2024/333	IN-IPC-300964721	KV
2	Psoriasis: Propranolol	SVMC/Jul-2024/334	IN-IPC-300964731	MR
3	Gastritis: ATT	SVMC/Jul-2024/337	IN-IPC-300964908	CG
4	Itching: Methyl prednisolone	SVMC/Jul-2024/338	IN-IPC-300966021	CK
5	Body pain: ATT	SVMC/Jul-2024/339	IN-IPC-300966063	VV
6	Cough: Mannitol	SVMC/Jul-2024/340	IN-IPC-300966109	KV
7	Stomach pain: Meropenem	SVMC/Jul-2024/341	IN-IPC-300967931	U
8	Chills: Lasix	SVMC/Jul-2024/342	IN-IPC-300968216	GD

S.NO	Report ID	AMC Report No.	World wide unique No.	Patient initials
1	Anaemia: ATT	SVMC/Aug-2024/381	IN-IPC-300982305	N
2	Peeling of skin: Metrogyl	SVMC/Aug-2024/383	IN-IPC-300982405	GR
3	Constipation: Prazosin	SVMC/Aug-2024/384	IN-IPC-300982424	TR
4	Constipation: Telmisartan	SVMC/Aug-2024/385	IN-IPC-300982450	RP
5	Diarrhoea: Metronidazole	SVMC/Aug-2024/386	IN-IPC-300982462	NS
6	Vomiting: Acitrom	SVMC/Aug-2024/392	IN-IPC-300982891	VL

S.No	Report ID	AMC Report No.	World wide unique No.	Patient initials
1	Rash: Paracetamol	SVMC/Sep-2024/410	IN-IPC-300991339	LR
2	Difficulty in swallowing: Antisnake venom	SVMC/Sep-2024/411	IN-IPC-300991378	K
3	Pedal edema: Nifedipine	SVMC/Sep-2024/412	IN-IPC-300991429	VS
4	Vomiting: Metronidazole	SVMC/Sep-2024/413	IN-IPC-300991444	VS
5	Abdominal pain: Potassium chloride	SVMC/Sep-2024/414	IN-IPC-300991473	VS
6	Loose stools: Augmentin	SVMC/Sep-2024/415	IN-IPC-300991496	BN
7	Gastric irritation: Diclofenac	SVMC/Sep-2024/416	IN-IPC-300991506	KV
8	Dizziness: Levetiracetam	SVMC/Sep-2024/417	IN-IPC-300991610	JR
9	Pedal oedema: Amlodipine	SVMC/Sep-2024/418	IN-IPC-300991619	KK
10	Oral candidiasis: Budecort	SVMC/Sep-2024/419	IN-IPC-300991631	KK

DO U KNOW????????? FACTS....

