**Report on Seminar**

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| **Title** : Seminar Innovation with HPTLC  **Date** : 20th December 2023 |
| **Preamble :**   |  | | --- | | A Seminar on “Innovation with HPTLC” has been conducted on 20th December 2023, at Rusa smart lab, M. N. College, Visnagar to get knowledge about HPTLC to students which is organized by “Pratham"- Student Startup and Innovation cell of SSIP at M. N. College, Visnagar. This webinar has been sponsored by Student Startup and Innovation cell of Government of Gujarat. | |
| **Participants profile:**   |  | | --- | | A total no of 310 participants from science field. Among the participants around 22 from M. N. College, Visnagar, 288 from other college/university and also more than 09 faculty members are participated. | |
| **Description about the program:**   |  | | --- | | On the inaugural function, Dr. S. K. Vyas, I/C Principal presided over the function. Mr. D. D. Bihola, Dr. Y. M. Patel, Dr. Suresh Kumar, Dr. Rajesh Senam and Mr. Mauyr Marolia participated as a representative from the College.  The resource person for the seminar was Dr. Himanshu Bariya, Associate Professor, Department of Life sciences, Hemchandracharya North Gujarat University, Patan. He has been delivered such an useful information about “HPTLC”. HPTLC (High-performance liquid chromatography) is better over other chromatographic techniques as it provides fingerprints for visualization and ability to store data in the form electronic library. The principle of HPTLC is same as TLC (i.e. separation by adsorption). In this technique, mobile phase is driven by capillary action and carries various components. Chromatography is based on the principle where molecules in mixture applied onto the surface or into the solid, and fluid stationary phase (stable phase) is separating from each other while moving with the aid of a mobile phase. HPLC is a chromatographic technique that can separate a mixture of compounds and is used in biochemistry and analytical chemistry to identify, quantify and purify the individual components of the mixture.  The session ended with a round of discussion and vote of thanks by Dr Ruby Patel, Assistant Professor in Botany and Co-ordinator of SSIP cell of M. N. College, Visnagar. The entire session was an interactive session and the resource person answered many queries raised by the participants.  The entire programme was co-ordinated with the support of the Principal, member of SSIP committee of M. N. College, Visnagar and Student Startup and Innovation cell of Government of Gujarat. | |

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| Some Glimpse of the Webinar |