



Laureate Institute of Pharmacy [ARI-C-11336][C-11336]

Section 1: Policy And Institutionalization Of I&E Activities In HEIs (Academic Calendar Year 2020-21 & 2021-22)

1.1) Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation

| Completion of Action Items (status as on 7th November 2022) | Status |
|--|--------|
| Registered in the NISP portal for I&E Policy Adoption | Yes |
| Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy | Yes |
| Institute has Action Plans for Implementation of the I&E Policy | No |

Contact:

| | |
|---------------|-------------------|
| Faculty Name: | Amar Deep Ankalgi |
| Designation: | Professor |

1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

| Annual Performances of IIC Institute | Stars Secured |
|--------------------------------------|---------------|
|--------------------------------------|---------------|

| Annual Performances of IIC Institute | Stars Secured |
|--------------------------------------|---------------|
| IIC 1.0 (2018-19) | |
| IIC 2.0 (2019-20) | |
| IIC 3.0 (2020-21) | |
| IIC 4.0 (2021-22) | 1 |

Contact:

| | |
|---------------------------------|------------------------|
| IIC President of the Institute: | Mahendra Singh Ashawat |
| Designation: | Director Cum Principal |

1.3) Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA

| Sr. No. | Name of the Faculty IA | Level of Training | No of I&E Expert Talks/Sessions Conducted |
|---------|----------------------------|-------------------|---|
| 1 | AMAR DEEP ANKALGI | Advance | 1 |
| 2 | Dr. Mahendra Singh Ashawat | Basic | 0 |
| 3 | Vinay Pandit | Basic | 0 |
| 4 | Chander Pal Singh Verma | Basic | 0 |
| 5 | Shammy Jindal | Basic | 0 |
| 6 | Pravin Kumar | Advance | 1 |
| 7 | Shiv Kumar Kushawaha | Advance | 1 |

| Sr. No. | Name of the Faculty IA | Level of Training | No of I&E Expert Talks/Sessions Conducted |
|---------|------------------------|-------------------|---|
| 8 | Dev Raj | Advance | 1 |

1.4) Participation in KAPILA/SIH Program

| | | |
|--|---------|-----|
| HEI Registered in the KAPILA Portal | C-11336 | Yes |
| HEI Participated in the Smart India Hackathon (2022) | C-11336 | No |

Section 2: Teaching and Learning: Academic Programs related to Innovation and Entrepreneurship (I&E) Offered by the HEI

2.1) Academic Courses in Innovation, Entrepreneurship and IPR

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date | Total Duration of the Course (in Days) | Total Numbers of Contact Hours of the Course |
|------|--------------------------------|-------------|---------------|----------------|-----------------|---|--------------------|---------------------|---------------------|--|--|
| 1 | PhD in Pharmaceutical Sciences | PhD | 2020-21 | Core Course | PhD | PhD research center Laureate Institute of Pharmacy | 4 | 11-06-2020 00:00:00 | 30-12-2020 00:00:00 | 203 | 275 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date | Total Duration of the Course (in Days) | Total Numbers of Contact Hours of the Course |
|------|------------------------------|-------------|---------------|----------------|-----------------|---|--------------------|---------------------|---------------------|--|--|
| 2 | Diploma in Pharmacy 1st Year | Diploma | 2021-22 | Core Course | Diploma | Laureate Institute of Pharmacy HP | 4 | 01-10-2021 00:00:00 | 16-07-2022 00:00:00 | 289 | 400 |
| 3 | Diploma in Pharmacy 2nd Year | Diplomall | 2021-22 | Core Course | Diploma | Laureate Institute of Pharmacy | 6 | 12-10-2021 00:00:00 | 01-05-2022 00:00:00 | 202 | 375 |
| 4 | B Pharmacy 1st Semester | BPh1 | 2020-21 | Core Course | Bachelor | Laureate Institute of Pharmacy | 4 | 01-10-2021 00:00:00 | 10-02-2022 00:00:00 | 133 | 256 |
| 5 | B Pharmacy 3rd Semester | BPh3 | 2020-21 | Core Course | Bachelor | Laureate Institute of Pharmacy | 4 | 01-10-2021 00:00:00 | 10-02-2022 00:00:00 | 133 | 256 |
| 6 | B Pharmacy 5th Semester | Bph5 | 2020-21 | Core Course | Bachelor | Laureate Institute of Pharmacy | 4 | 15-09-2021 00:00:00 | 24-01-2022 00:00:00 | 132 | 256 |
| 7 | B Pharmacy 7th Semester | BPh7 | 2020-21 | Core Course | Bachelor | Laureate Institute of Pharmacy | 4 | 15-08-2021 00:00:00 | 24-01-2022 00:00:00 | 163 | 256 |
| 8 | B Pharmacy 2nd Semester | BPh2 | 2021-22 | Core Course | Bachelor | Laureate Institute of Pharmacy | 4 | 04-01-2022 00:00:00 | 01-05-2022 00:00:00 | 118 | 256 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date | Total Duration of the Course (in Days) | Total Numbers of Contact Hours of the Course |
|------|---|-------------|---------------|----------------|-----------------|---|--------------------|------------------------|------------------------|--|--|
| 9 | B Pharmacy 4th semester | BPH4 | 2020-21 | Core Course | Bachelor | Laureate Institute of Pharmacy | 4 | 01-04-2022 00:00:00 | 08-07-2022 00:00:00 | 99 | 180 |
| 10 | B Pharmacy 6th Semester | BPh6 | 2021-22 | Core Course | Bachelor | Laureate Institute of Pharmacy | 4 | 01-04-2022 00:00:00 | 08-07-2022 00:00:00 | 99 | 216 |
| 11 | B Pharmacy 8th Semester | BPh8 | 2021-22 | Core Course | Bachelor | Laureate Institute of Pharmacy | 4 | 01-04-2022 00:00:00 | 08-07-2022 00:00:00 | 99 | 144 |
| 12 | M Pharmacy Pharmaceutics 1st Semester | MPH | 2020-21 | Core Course | Master | Department of Pharmaceutics Laureate Institute of Pharmacy | 4 | 27-10-2021 00:00:00 | 24-01-2022 00:00:00 | 90 | 192 |
| 13 | M Pharmacy Pharmaceutics 3rd Semester | MPH | 2020-21 | Core Course | Master | Department of Pharmaceutics Laureate Institute of Pharmacy | 4 | 15-09-2021 00:00:00 | 24-01-2022 00:00:00 | 132 | 420 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date | Total Duration of the Course (in Days) | Total Numbers of Contact Hours of the Course |
|------|--|-------------|---------------|----------------|-----------------|---|--------------------|------------------------|------------------------|--|--|
| 14 | M Pharmacy Pharmaceutics 2nd Semester | MPh | 2021-22 | Core Course | Master | Department of Pharmaceutics Laureate Institute of Pharmacy | 4 | 01-04-2022 00:00:00 | 08-07-2022 00:00:00 | 99 | 312 |
| 15 | M Pharmacy 4th Semester Pharmaceutics | MPh | 2021-22 | Core Course | Master | MPh | 4 | 01-04-2022 00:00:00 | 08-07-2022 00:00:00 | 99 | 594 |
| 16 | M Pharmacy Pharmaceutical Analysis and Quality Assurance 1st Semester | MPAQA | 2020-21 | Core Course | Master | Department of Pharmaceutical Analysis and Quality Assurance Laureate Institute of Pharmacy | 4 | 27-10-2021 00:00:00 | 24-01-2022 00:00:00 | 90 | 192 |
| 17 | M Pharmacy Pharmaceutical Analysis and Quality Assurance 3rd Semester | MPAQA | 2020-21 | Core Course | Master | Department of Pharmaceutical Analysis and Quality Assurance Laureate Institute of Pharmacy | 4 | 15-09-2021 00:00:00 | 24-01-2022 00:00:00 | 132 | 252 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date | Total Duration of the Course (in Days) | Total Numbers of Contact Hours of the Course |
|------|---|-------------|---------------|----------------|-----------------|--|--------------------|---------------------|---------------------|--|--|
| 18 | M Pharmacy in Pharmaceutical Analysis and Quality Assurance 2nd Semester | MPAQA | 2021-22 | Core Course | Master | Department of Pharmaceutical Analysis and Quality Assurance Laureate Institute of Pharmacy | 4 | 01-04-2022 00:00:00 | 08-07-2022 00:00:00 | 99 | 192 |
| 19 | M Pharmacy in Pharmaceutical Analysis and Quality Assurance 4th semestrer | MPAQA | 2021-22 | Core Course | Master | Department of Pharmaceutical Analysis and Quality Assurance Laureate Institute of Pharmacy | 4 | 01-01-2022 00:00:00 | 30-06-2022 00:00:00 | 181 | 560 |
| 20 | M Pharmacy in Pharmacology 1st semester | MPL | 2020-21 | Core Course | Master | Department of Pharmacology Laureate Institute of Pharmacy | 4 | 27-10-2021 00:00:00 | 24-01-2022 00:00:00 | 90 | 256 |

| Srno | Title of Course | Course Code | Academic Year | Type of Course | Level of Course | Course Offering Department/ Centre/ Unit Name | Total Credit Score | Course Start Date | Course End Date | Total Duration of the Course (in Days) | Total Numbers of Contact Hours of the Course |
|------|----------------------------|-------------|---------------|----------------|-----------------|--|--------------------|------------------------|------------------------|--|--|
| 21 | M Pharmacy in Pharmacology | MPL | 2021-22 | Core Course | Master | Department of Pharmacology Laureate Institute of Pharmacy | 4 | 01-04-2022 00:00:00 | 08-07-2022 00:00:00 | 99 | 192 |

2.2) Non-Academic Courses in Innovation, Entrepreneurship and IPR

| Srno | Title of Course | Academic Year | Type of Certificate Program | Certificate Program/MDP /FDP/EDP Sponsored/Supported by | Certificate Program Offering Department/ Centre/ Unit Name | Program Start Date | Program End Date | Total Duration of the Course (in Days) | Total Numbers of Contact Hours of the Course | Mode |
|------|--|---------------|--------------------------------|---|--|------------------------|------------------------|--|--|---------|
| 1 | Human Values and Professional Ethics Values-orientation of faculty and administrators of Technical Institute | 2021-22 | Short-term Certificate Program | Central Govt. Agency | Laureate Institute of Pharmacy | 18-12-2021 00:00:00 | 23-12-2021 00:00:00 | 6 | 36 | Offline |

| Srno | Title of Course | Academic Year | Type of Certificate Program | Certificate Program/MDP /FDP/EDP Sponsored/Supported by | Certificate Program Offering Department/ Centre/ Unit Name | Program Start Date | Program End Date | Total Duration of the Course (in Days) | Total Numbers of Contact Hours of the Course | Mo Del |
|------|--|---------------|--------------------------------|---|--|---------------------|---------------------|--|--|--------|
| 2 | Essential Communication | 2020-21 | Short-term Certificate Program | Self Sponsored/Supported | Laureate Institute of Pharmacy | 01-01-2020 00:00:00 | 20-03-2020 00:00:00 | 80 | 68 | Off |
| 3 | Introduction to IPRand Research Method | 2021-22 | Short-term Certificate Program | Self Sponsored/Supported | Laureate Institute of Pharmacy | 01-09-2021 00:00:00 | 20-11-2021 00:00:00 | 81 | 70 | Off |

Section 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda (AY 2020-21 & 2021-22)

3.1) Existence of Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC /EDC/Innovation Cell/Startup Cell) (>= 600 Sq. Ft. Floor Area)

| Sr. No. | Type of the Unit | Name of Unit | In-charge Name | Govt. Schemes |
|---------|------------------|-----------------|----------------|--|
| 1 | Innovation Cell | Innovation Labs | Pravin Kumar | Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development) |

3.2) Existence of Incubation Facility (\geq 1500 Sq. Ft. Floor Area)

| Sr. No. | Name of Unit | In-charge Name | Govt. Schemes |
|---------|-------------------|-------------------|---------------|
| 1 | Innovation centre | Amar Deep Ankalgi | Own Resource |

3.3) Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute

| Sr. No. | Type of the Unit | Name of Unit | In-charge Name | Govt. Schemes |
|---------|------------------|--------------|----------------|--|
| 1 | IPR Cell | IPR cell | Shammy Jindal | Pre-Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development) |

Section 4: Generation and Support of Prototypes / Innovations at HEI and Recognition received (AY 2020-21 & 2021-22)**4) Total no. of Innovations (Verified and Recommended) in Different TRLs (4-9) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)**

| Sr. No. | Innovation Name | Developed as part of | FY of Development (FY. 2020-21,2021-22) | TRL Stage | Team Lead/Innovator Name | Current Engagement of Team Lead in Institute | Total Grants Received (from all sources) | Grant Support Received from Institution/Incubation | Awards/Reco (National/Int level) Received |
|---------------|-----------------|----------------------|---|-----------|--------------------------|--|--|--|---|
| No Data Found | | | | | | | | | |

Section 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received (AY 2020-21 & 2021-22)

5) Total no of Ventures/Startups (Verified and Recommended) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

| Sr. No. | Startup/Venture Name | Startup/Venture Registered as | CIN No/LLP /OPC/RC No | GST No | FY of Establishment | Startup/Venture Recognized by DPIIT/Startup India | FY of Started Receiving Support from the Incubation unit at the Institute | Team Lead/Founder Name | Current Engagement of Team lead/Founder in Institute |
|---------|----------------------|-------------------------------|-----------------------|--------|---------------------|---|---|------------------------|--|
| 1 | | | | | | | 0 | | |

Section 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

6) Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

| Sr. No. | Collaborated Agency Name | Collaborated Agency Type | Period of Collaboration (No. of Years) | Current Status of Collaboration | Date of MOU / Agreement Signed on |
|---------|--------------------------|--------------------------|--|---------------------------------|-----------------------------------|
|---------|--------------------------|--------------------------|--|---------------------------------|-----------------------------------|

| Sr. No. | Collaborated Agency Name | Collaborated Agency Type | Period of Collaboration (No. of Years) | Current Status of Collaboration | Date of MOU / Agreement Signed on |
|---------|---|--------------------------|--|---------------------------------|-----------------------------------|
| 1 | MAHARAJA AGRASEN UNIVERSITY, BADDI , HIMACHAL PRADESH | Educational Institute | 2025 | Active | 12-08-2022 |

Section 7: Intellectually Property (IP) Generated and Commercialization

7.1) IPR Filed and Published (Copyrights & Design only)

| Sr. No. | Title/Name of IP (Copyright/Design Only) | Type of IP | IP Registration Number of Copyright/Design | Date of Filed/Published | Has this IP(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup /Society? |
|---------|--|------------|--|-------------------------|---|
| 1 | GEL AND CREAM APPLICATOR | Design | 331479-001 | 29-07-2020 | Yes |

7.2) Patents Filed by HEI

| Sr. No. | Title/Name of Patent | IP Registration Number | Date of Filed/Published |
|---------|---|------------------------|-------------------------|
| 1 | A PROCESS FOR DEVELOPMENT OF DOLID DISPERSIONS OF CLOPIDOGREL | 2021104025 | 09-07-2021 |

7.3 & 7.4) Patent Published / Granted Data

| Sr. No. | Patent Registration Application No | Patent Title | Patent Application Date | Status of Patent Applications | Patent Published / Granted Calendar Year | Institute applied the Patent as |
|---------|------------------------------------|--|-------------------------|-------------------------------|--|---------------------------------|
| 1 | 2021410100684 A | Artificial Intelligence Based Smart Touchless Medicine Dispensing System | 19-03-2021 | Published | 2021 | Co-Applicant |
| 2 | 202141007208 A | Artificial Intelligence Based Smart Detection Of Lung Disease From Chest X-Ray | 20-02-2021 | Published | 2021 | Co-Applicant |

7.5) IP Commercialized and Transferred to Industry/Startup

| Sr. No. | Name of Technology Licenced/Transferred /Commercialized | Technology Type | Patent/Licence Holder name (Institute Co-ownership is Must) | Technology Transferred to | Name of Licensee | Date of Transferred Technology |
|---------------|---|-----------------|---|---------------------------|------------------|--------------------------------|
| No Data Found | | | | | | |