

(A.B.M.S.) Akhil Bharatiya Maratha Shikshan Parishad's College of Engineering & Research Address: S. No. 103, Shahu College Campus, Parvati, Taluka: Pune (corporation Area) District: Pune - 411009 [ARI-C-41484] [C-41484]

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:	Prof. Nilesh Ambaji Jadhav
Designation:	Assistant Professor
Email ID:	nilesh.jadhav@abmspcorpune.org
Mobile No.	9975303670

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

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	
IIC 2.0 (2019-20)	
IIC 3.0 (2020-21)	0

Annual Performances of IIC Institute	Stars Secured
IIC 4.0 (2021-22)	2

Contact:

IIC President of the Institute:	Dr. Kashinath H.Munde
Designation:	Professor
Email ID:	kashinath.munde@abmspcoerpune.org
Mobile No.	9890821782

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
No Data Found			

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-41484	Yes
HEI Participated in the Smart India Hackathon (2022)	C-41484	Yes

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
1	Research Methodology	601074	2020-21	Elective Course	Master	Civil Engineering	4	01-02-2021 00:00:00	20-05-2021 00:00:00
2	Research Methodology	601074	2021-22	Elective Course	Master	Civil Engineering	4	07-02-2022 00:00:00	01-05-2022 00:00:00
3	Research Methodology	502104	2020-21	Core Course	Master	Mechanical Engineering	4	09-12-2020 00:00:00	07-04-2021 00:00:00
4	Research Methodology	502104	2021-22	Core Course	Master	Mechanical Engineering	4	09-11-2021 00:00:00	01-04-2022 00:00:00

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 Credit (ir
No Data Found								

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	Contact no	Email	Govt. Schemes
No Data Found						

3.2) Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	APCOER Technology Business Incubation Centre	Dr. Kashinath Haribhau Munde	9890821782	kashinath.munde@abmspcoerpune.org	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	Contact no	Email	Govt. Schemes
1	IPR Cell	APCOER IPR Cell	Prof. Sagar M. Gawande	8275401266	sagar.gawande@abmspcoerpune.org	Mentoring Support

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	Contact No	Email
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 Sta Re Suj fro Inc uni Ins
No Data Found							

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	View
No Data Found						

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?
No Data Found					

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	A DESIGN AND FORMULATION OF SOLAR PANEL COMPATIBLE FOR WIND LOAD	202221023895	22-04-2022
2	A METHOD FOR STRUCTURAL ANALYSIS AND WEIGHT OPTIMIZATION OF INTEGRATED STEERING KNUCKLE	202221023896	22-04-2022
3	A COMPOSITION METHOD OF AN AL-SIC METAL MATRIX COMPOSITE MATERIAL	202221023897	23-04-2022
4	A METHOD FOR FRONT AXLE DESIGN WITH DIFFERENT MATERIALS	202221023898	22-04-2022
5	A METHOD TO REDUCE THE NUMBER OF SPOT WELDS FOR A PASSENGER CAR WHEEL	202221023899	22-04-2022

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
6	A DESIGN OPTIMIZATION AND VALIDATION FOR A VACUUM CHAMBER	202221023900	22-04-2022
7	A METHOD FOR DESIGN OF A PASSIVE SUSPENSION SYSTEM BY USING GA/ANN	202221023901	22-04-2022
8	A METHOD FOR DESIGN & ANALYSIS OF AIR SUSPENSION SYSTEM FOR 2DOF QUARTER HEAVY GOODS VEHICLE	202221023902	22-04-2022
9	A METHOD AND FORMULATION OF AGAVE FIBRE REINFORCED COMPOSITES	202221023903	22-04-2022
10	A METHOD AND FORMULATION OF JUTE FIBER COMPOSITE AT DIFFERENT PLY ORIENTATIONS	202221023904	22-04-2022
11	A METHOD FOR DIAGNOSTIC AND PREDICTION OF RUL FOR ROLLING BEARINGS	202241023910	22-04-2022
12	ARTIFICIAL INTELLIGENCE TECHNIQUE TO AUTOMATE THE PROCESS OF STEEL MAKING	202241043780	31-07-2022
13	A 3D PRINTED INJECTION CARTRIDGE WITH DISPLAY UNIT	347927-001	14-08-2021
14	METHOD AND INTEGRATED MACHINE FOR CONSTRUCTION OF COMPOSITE PLASTIC BITUMINOUS CONCRETE PAVEMENT	2021101514	12-05-2021
15	IC-Calculator: Intelligent Scientific Calculator Display Fast Result using Machine Learning Programming	2021101395	17-03-2021

7.3) 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	View
1	202221023895A	A DESIGN AND FORMULATION OF SOLAR PANEL COMPATIBLE FOR WIND LOAD	22-04-2022	Published	2022	Applicant	View (/Uplo.
2	202221023896A	A METHOD FOR STRUCTURAL ANALYSIS AND WEIGHT OPTIMIZATION OF INTEGRATED STEERING KNUCKLE	22-04-2022	Published	2022	Applicant	View (/Uplo.
3	202221023897A	A COMPOSITION METHOD OF AN AL-SIC METAL MATRIX COMPOSITE MATERIAL	22-04-2022	Published	2022	Applicant	View (/Uplo.
4	202221023898A	A METHOD FOR FRONT AXLE DESIGN WITH DIFFERENT MATERIALS	22-04-2022	Published	2022	Applicant	View (/Uplo.
5	202221023899A	A METHOD TO REDUCE THE NUMBER OF SPOT WELDS FOR A PASSENGER CAR WHEEL	22-04-2022	Published	2022	Applicant	View (/Uplo.

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8	202221023902 A	A METHOD FOR DESIGN & ANALYSIS OF AIR SUSPENSION SYSTEM FOR 2DOF QUARTER HEAVY GOODS VEHICLE	22-04-2022	Published	2022	Applicant	View (/Uplo.
9	202221023903 A	A METHOD AND FORMULATION OF AGAVE FIBRE REINFORCED COMPOSITES	22-04-2022	Published	2022	Applicant	View (/Uplo.
10	202221023904 A	A METHOD AND FORMULATION OF JUTE FIBER COMPOSITE AT DIFFERENT PLY ORIENTATIONS	22-04-2022	Published	2022	Applicant	View (/Uplo.

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11	202241023910 A	A METHOD FOR DIAGNOSTIC AND PREDICTION OF RUL FOR ROLLING BEARINGS	22-04-2022	Published	2022	Co-Applicant	View (/Uplo.
12	202121035176	DIGITAL NUMERICAL EVALUATION OF THE BEHAVIOUR OF A REINFORCED CONCRETE BUILDING	04-08-2021	Published	2021	Co-Applicant	View (/Uplo.
13	202241046896	DESIGN OF FRAMEWORK TO TRACE/DETECT UNUSUAL FINANCIAL TRANSACTIONS USING MACHINE LEARNING	18-08-2022	Published	2022	Co-Applicant	View (/Uplo.
14	202241046397	FRAMEWORK USING AUGMENTED REALITY FOR ENHANCING THE INTEREST IN THE SUBJECT DURING ONLINE SESSIONS	16-08-2022	Published	2022	Co-Applicant	View (/Uplo.

7.4) 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 Tran: Tech
No Data Found						



Declaration

To,
The ARIIA Committee
MHRD's Innovation Cell
New Delhi

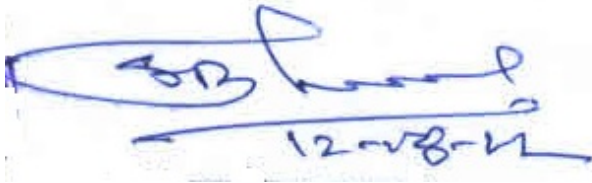
Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

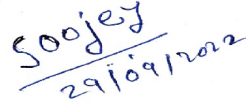
Herewith, myself **Dr. SUNIL BHIMRAO THAKARE** (Head of Institute) and **Dr. SOOJEY RAMCHANDRA DESHPANDE** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute

Handwritten signature of Dr. Sunil Bhimrao Thakare in blue ink, with the date 12-08-22 written below it.

Nodal officer

Handwritten signature of Dr. Soojey Ramchandra Deshpande in blue ink, with the date 29/09/2022 written below it.

Dr. SUNIL BHIMRAO THAKARE,
Head of the Institution,
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