



Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: Mar Thoma College For Women, Perumbavoor 683 542 [ARI-C-11721]

List all the departments / centers / units are part of innovation and startup ecosystem of the institite

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Benificiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Physics	Academic Department with lab facility	Physics	UG / PG / PhD	Non-Technical	47	5	1
Chemistry	Academic Department with lab facility	Chemistry	UG / PG / PhD	Non-Technical	111	4	1
Mathematics	Academic Department with lab facility	Mathematics	UG / PG / PhD	Non-Technical	70	7	0
Zoology	Academic Department with lab facility	Zoology	UG / PG / PhD	Non-Technical	58	2	2
English Model II	Academic Department with lab facility	Administrative Assistant	UG / PG / PhD	Non-Technical	90	5	0
History Modell II	Academic Department with lab facility	History and Archaeology	UG / PG / PhD	Non-Technical	95	5	0
Commerce	Academic Department with lab facility	Model I Finance and Taxation	UG / PG / PhD	Non-Technical	115	5	0
Commerce	Academic Department with lab facility	Computer Applications	UG / PG / PhD	Non-Technical	97	3	0
B Voc	Academic Department with lab facility	Fashion Technology and Merchandizing	UG / PG / PhD	Non-Technical	43	2	0
B Voc	Academic Department with lab facility	Tourism and Hospitality Management	UG / PG / PhD	Non-Technical	38	2	0
B Voc	Academic Department with lab facility	Renewable Energy Technology and Management	UG / PG / PhD	Non-Technical	10	2	0
Mathematics	Academic Department with lab facility	Mathematics(PG)	UG / PG / PhD	Non-Technical	29	6	0
Zoology	Academic Department with lab facility	Zoology(PG)	UG / PG / PhD	Non-Technical	45	5	1

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC202014924
Trained Innovation Ambassadors at HEI	No	Not Required
Participation in Smart India Hackathon (SIH)	No	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizin g Departm ent / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(i n Days)	Program Location	Internal Participa nts (Student)	Internal Participa nts (Faculty)	External Participa nts (Student)	External Participa nts (Faculty)	Total Number of Participa nts	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Quality Circle	Innovatio n	Skill developm ent	Institute Lead Activity	Departm ent of Commerc e	01-09-20 19 00:00:00	30-11-20 19 00:00:00	91	Within Campus	108	5	0	0	113	No	No
2	Environm ent Manage ment Training	Innovatio n	Training	Institute Lead Activity	Departm ent of Physics	11-01-20 20 00:00:00	14-01-20 20 00:00:00	4	Outside Campus	55	5	6	0	66	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	No
3	Student Solar Ambassa dor Program me	Entrepre neurship/ Startup	Skill developm ent	Institute Lead Activity	Departm ent of Physics	20-10-20 19 00:00:00	31-10-20 19 00:00:00	12	Outside Campus	47	5	146	5	203	No	No
4	Nil	IPR	Awarene ss	Institute Lead Activity	Nil	26-03-20 20 00:00:00	31-03-20 20 00:00:00	6	Within Campus	1	1	0	0	2	No	No

Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizin g Agency / Institute Name	Organizin g Agency Type	Program Start Date	Program End Date	Program Duration(i n Days)	Participa nts (Students )	Participa nts (Faculty)	Total Number of Participa nts	Awards/R ecognitio ns/Achiev ements	Award / Position / Recogniti on Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
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Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

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1	Young Innovator s Program( YIP)	Innovatio n	Ideation	Kerala Develop ment and Innovatio n Strategy Council	Govt. Agency (State)	01-12-20 19 00:00:00	31-03-20 20 00:00:00	12	5	1	6	Yes	Maestro Challeng e of YIP 2019	Al based Signal Interprete r	No	Award / Position / Recognition Secured  Title of Innovation / Start-up Secured the Award / Recognition  Award/Recognition/Achieve ment Received for
2	Young Innovator s Program( YIP)	Innovatio n	Ideation	Kerala developm ent and Innovatio n Strategy Council	Govt. Agency (State)	01-12-20 19 00:00:00	31-03-20 20 00:00:00	12	5	1	6	No			No	No
3	Young Innovator s Program (YIP)	Innovatio n	Ideation	Kerala Develop ment and Innovatio n Strategy Council	Govt. Agency (State)	01-12-20 19 00:00:00	31-03-20 20 00:00:00	12	5	1	6	No			No	No
4	Nil	IPR	Awarene ss	Nil	Govt. Agency (State)	30-03-20 20 00:00:00	31-03-20 20 00:00:00	2	1	1	2	No			No	No

List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centr e/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	Robotics	Innovation	Short term Course	Short Term Certificate Course	Department of Physics	01-07-2019	31-08-2019	62	Offline	42	30
2	Solar Energy	Innovation	Short term Course	Short Term Certificate Course	Department of Physics	01-12-2019	31-01-2020	62	Offline	52	30
3	Diploma in Computer Application	Entrepreneurship/Startup	Short term Course	Diploma	College	01-06-2019	30-11-2019	183	Offline	50	120

LiList the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

Srn	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	LED star making	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Physics	15-11-2019	20-12-2019	36	Offline	52	30

2	Acquired Skill Acquisition Program	Entrepreneurship/Startup	Employment Generation Training Programs	College	01-06-2019	31-03-2020	305	Offline	29	180
3	Career Guidance	Entrepreneurship/Startup	Employment Generation Training Programs	College	01-07-2019	31-03-2020	275	Offline	25	30
4	PSC Coaching Class	Entrepreneurship/Startup	Employment Generation Training Programs	College	01-07-2019	29-02-2020	244	Offline	75	75
5	Tailoring	Entrepreneurship/Startup	Employment Generation Training Programs	College	01-09-2019	29-02-2020	182	Offline	18	30
6	Beautician	Entrepreneurship/Startup	Employment Generation Training Programs	College	01-07-2019	29-02-2020	244	Offline	32	30
7	Food Processing	Entrepreneurship/Startup	Employment Generation Training Programs	B Voc Department	01-08-2019	30-09-2019	61	Offline	12	30
8	Vermicomposting	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Zoology	01-11-2019	31-12-2019	61	Offline	90	30
9	Solar Lamp Making	Entrepreneurship/Startup	Employment Generation Training Programs	Department of Physics	01-08-2019	30-09-2019	61	Offline	250	30

List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)

Srno	Faculty Name	Department/Centre/Unit Name	Designation	Do you have a degree in I&E & IPR?	Had the faculty received training on I&E & IPR during AY 2019-20
1	Nil	Nil	Nil	No	No

List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activiti es Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	Innovation club	Innovation Club	2019	Work Stations	Innovation Labs	3	Sara Abey	saraabey@gmail.com	9447860709
2	Energy Club	Innovation Club	2016	Work Stations	Innovation Labs	3	Anjima K P	anjimakp0@gmail.com	9188025346
3	Entrepreneurship Development Club	Innovation Club	2019	Work Stations	Innovation Labs	2	Fahima rafeeque	rafeequefahima@gmail .com	8078503096

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

Srno	Name of Pre- Type of Incubation Centre Facility	Year of Establishme nt	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre- Incubation Unit, if any	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovati on Development and implementation during the Financial Year	Had institute Generated Income either from Services Offered by Pre- Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?
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#### List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

						(Optional)			2019-20		
1	Pre-incubation Centre	IEDC	2018	Co-working Space	Student Clubs	Student Clubs	Facility Dr. Paulos e Incharge Name Thoma	1	No	No	No
							Facility sijoagn Incharge i@gma Email il.com				
							Facility 956213 Incharge 2636 Phone				

#### List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

No Data Flled!

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Manag ement team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?
1	incubation Centre	2019	Student Clubs	Nil	Facility Incharge Name  Facility Incharge Email  Facility Incharge Email  Facility Phone  Phone  Pr. Rajani Jacob  rajani.jacob@yahoo.com  73834 75646	1	No	No	No

### List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data Flled!

List the IPR Cell/Technology Transfer Centre Facilities at the HEI

Srno Name of IPR Cell/Technology Transfer Centre Facility  Name of IPR Cell/Technology Transfer Centre Facility  Schemes Available with IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI  Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Total Nos of Dedicated Executive/Manag ement team Strength Engaged at the Facility Had the IPR Cell/Technology Transfer Centre Provided any Evaluation Development and implementation during the Financial Year 2019-20?  Had the IPR Cell/Technology Transfer Centre Provided any End institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?  Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?  Had the IPR Cell/Technology Transfer Centre Provided any End in Engaged and IPR Cell/Technology Transfer Centre Provided any End in Engaged and IPR Cell/Technology Transfer Centre Provided any End in Engaged and IPR Cell/Technology Transfer Centre Provided any End in Engaged and IPR Cell/Technology Transfer Centre Provided any End in Engaged and IPR Cell/Technology Transfer Centre Provided any End in Engaged and IPR Cell/Technology Transfer Centre Provided any End in Engaged and IPR Cell/Technology Transfer Centre Provided any End in Engaged and IPR Cell/Technology Transfer Centre Provided any Engaged And IPR Cell/Technology Transfer Centre Provi
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List the IPR Cell/Technology Transfer Centre Facilities at the HEI

1	IPR Cell	2017	Student Clubs	Nil	Facility Incharge Name  Facility Incharge Email  Facility Incharge Email  Facility Incharge Phone  Province Vinoda rchaeo 2003 @gami I.com	1	No	No	No
2	IPR Cell	2016	Innovation Labs,Student Clubs	Nil	Facility Incharge Name  Facility Incharge Semail  Facility Incharge Email  Facility Incharge Email  Facility Incharge Phone  Dr. Minu Susan Koshy William Minus Sankos hy@g mail.com  77024 63931	1	No	No	No

### Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

No Data Filed!

Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

Srno	Name of the External Expert/Agency a	s Mentor			Type of Mentorship				
1	Mr. M. V Polachan	Mr. M. V Polachan						Structured Mentors	ship
	Structured Mentorship Program Name	Start Date		End Date	Total No of Days of Mentorship Program	Days of No of Mentors Involved		orship Cohort Size No. of Mentee)	Type of Mentee
	Goal Setting	01-11-2019		01-11-2019	1	2	30		Idea
2	Mr. Alex Mathew	Idea/Innovation Development					Structured Mentorship		
	Structured Mentorship Program Name	Start Date		End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Ment (I	orship Cohort Size No. of Mentee)	Type of Mentee
	Personal Development	01-11-2019		01-11-2019	1	2	29		Idea
3	Dr. C George Thomas		Idea/Innovation Development						ship
	Structured Mentorship Program Name		ite	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Ment (I	orship Cohort Size No. of Mentee)	Type of Mentee
	Review 01-11-2019		10-12-2019		40 2		41		Idea

#### Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

4	Dr. Ranjarajan		Idea/Inn	ovation Development				Structured Mentorship		
	Structured Mentorship Program Name	Start Date		End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Ment (I	orship Cohort Size No. of Mentee)	Type of Mentee	
	Art and Self Development	05-12-2019		05-12-2019	1	2	19		Idea	
5	Dr. Tharanath R		Idea/Inn	ovation Development				Structured Mentors	ship	
	Structured Mentorship Program Name	Start Date		End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Mentorship Cohort Size (No. of Mentee)		Type of Mentee	
	Developing Scientific Temper 10-			10-12-2019	1 2		15		Idea	
6	Dr. C M Joy			ovation Development				Structured Mentors	ship	
	Structured Mentorship Program Name	Start Da	te	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Ment (l	orship Cohort Size No. of Mentee)	Type of Mentee	
	Environment Sensitisation	23-11-2019	2019 23-11-2019		1 2		22		Idea	
7	Mr. Sanjeev Kumar		Idea/Innovation Development					Structured Mentors	ship	
	Structured Mentorship Program Name	Start Da	te	End Date	Total No of Days of Mentorship Program	No of Mentors Involved	Ment (l	orship Cohort Size No. of Mentee)	Type of Mentee	
	Soft Skill Development	23-11-2019	23-11-2019		1 2		22		Idea	

# List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation /Stage of TRL it started receiving the Support during the FY 2019- 20	Stage of Innovation /Stage of TRL reached as on 31st March 2020	Status Pre- Incubation/Inc ubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/Startu p/SME Unit during the financial period 2019- 20	Had Centre/institut e provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving preincubation/inc ubation support at your Preincubation/inc ubation or HEI during the financial period 2019-20	Had the Preincubation/Incubation/
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1	Al Based Brain Signal Interpreter	Product Innovation	Technologi	cal Kerala Development and Innovation Strategy Council	Student	TRL 2: Technolog y formulatio n. Concept and application have been formulated	y formulatio n. Concept and application have been	Innovation Development Ongoing	Agency Name  Agency Type  Award / Position / Recognition secured  Agency (State)  Final State Level Competion	У	No	No	No
		Name		Ту	уре		Ge	ender		Email		Co	ntact
	Jinu John			Student			Female		ejinujohn@gmail.com	1		8086060846	
		Name		Tv	ype		Ge	ender		Email		Co	ntact
ı	Varsha M Vijay			Student			Female		varshamaya66@gma	il.com		9446841062	
2	Reversible Step and Ramp	Product Innovation	Technologi	cal K DISC	Student	TRL 2: Technolog y formulatio n. Concept and application have been formulated	y formulatio n. Concept and application have been	Innovation Development Ongoing	Agency Name  Agency Type  Govt. Agency (State)  Award / Position / Recognitio n Secured  Select to Final State Level Competion	y ed	No	No	No
		Name		Ту	/pe		Ge	ender		Email		Co	ntact
	Anjima K P			Student			Female		anjimakp0@gmail.com			9995711346	
		Name		Ty	уре		Ge	ender		Email		Co	ntact
	Sara Abey			Student			Female		saraabey2001@gma	il.com		9447860709	
3	Tab with Sensor Headset	Process Innovation,Service Innovation	Technologi	cal KDISC	Student	TRL 1: Basic research. Principles postulated and observed but no experimen tal proof available.	and observed but no	Innovation Development Ongoing	Agency Name  Agency Type  Award / Position / Recognition n Secured  Agency Select to Final Level Competion	y ed	No	No	No
		Name		Ty	уре		Gender		Email			Contact	
	Anjam Ameer			Student			Female		anjamameer1999@g	mail.com		8590053670	

Name	Туре	Gender	Email	Contact
Aksamol Sunny	Student	Female	aksamolsunny2001@gmail.com	6238659317

#### List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI

No Data Filed!

List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

Srno	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	Weaving Bird	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring	5	12-12-2020
2	Guiders Academy	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Incubation	10	17-02-2020
3	Speed Wing Aviation Academy	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Incubation	14	14-01-2020
4	Spring Exports	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Incubation	10	30-12-2019
5	Glow The Designer Hub	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Incubation	10	09-01-2020
6	Energy Conservation Soceity	Non-Govt. Agencies	Providing (or) Receiving Incubation/Pre-Incubation Support Services to Innovators/Startups	Mentoring,Networking,Inves tment	15	03-07-2019

#### List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

No Data Flled!

#### List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

No Data Flled!

#### List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data Flled!

#### List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data Flled!

## **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. GIGI GEORGE (Head of Institute) and Dr. MELVI CHANDY (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

30/03/2021

Dr. GIGI GEORGE Head of the Institution, Ernakulam, Kerala Nodal officer

30 |03 | 2021

Dr. MELVI CHANDY Nodal Officer, Ernakulam, Kerala

Responsibility for accuracy and authenticity of data lies with the concerned institution.