

**21. Question No. 50**

<b>Sl. No.</b>	<b>Area of Consultancy</b>	<b>Department involved in consultancy</b>	<b>Name of Consultancy Project</b>
1 to 10	10 masters students from various colleges completed their Project work at AMMRC	Advanced Molecular Materials Research Centre	Masters Project work of students from various colleges
11	Maintaining Kerala's Tourism Destinations with Minimal Disaster Risk: A Geographic Approach	School of Tourism Studies	Tourism
12	Creation of data bank of classification of land with special emphasis on soil -Department of Soil Survey & Soil conservation, Govt. of Kerala	School of Environmental Sciences	Soil Survey & Soil conservation
13	ICP-MS analysis	School of Environmental Sciences	ICP-MS analysis -Various institutions
14	GC-MS/LC-MS analysis	School of Environmental Sciences	GC-MS/LC-MS analysis -Various institutions
15	Consultancy services to Muziris Heritage Project	School of Gandhian Thought & Development Studies	Muziris Heritage Project
16	Consultancy services to Kerala Institute of Local Administration	School of Gandhian Thought & Development Studies	Services to Kerala Institute of Local Administration
17	IR Spectrophotometer	School of Chemical Sciences	Analysis using IR Spectrophotometer

18	UV-vis. Spectrophotometer	School of Chemical Sciences	Electronic Spectral Analysis using PL & UV-Vis UV-vis. Spectrophotometer
19	Scanning Electron Microscope	School of Chemical Sciences	Scanning Electron Microscope Analysis
20	Dynamic Light Scattering	School of Chemical Sciences	Dynamic Light Scattering
21	GC-MS	School of Chemical Sciences	GC-MS
22	Microwave Analysis	School of Chemical Sciences	Microwave Analysis
23	Disability Rehabilitation Early Assessment and Management Services (DREAMS)	Inter University Centre for Disability Studies	DREAMS
24	AmanPrakashan	Dept of Printing & Publishing	Co Publishing
25	Ane Books Pvt. Ltd.	Dept of Printing & Publishing	Co Publishing
26	Cosmo Books	Dept of Printing & Publishing	Co Publishing
27	LokbhartiPrakashan	Dept of Printing & Publishing	Co Publishing
28	Macmillan Publishers India Pvt. Ltd.	Dept of Printing & Publishing	Co Publishing
29	Orient Blackswan Pvt. Ltd.	Dept of Printing & Publishing	Co Publishing
30	RajkamalPrakashan	Dept of Printing & Publishing	Co Publishing
31	SahithyaPravarthaka Co-op. Society	Dept of Printing & Publishing	Co Publishing
32	HRTEM-Polymer Science and Rubber Technology, CUSAT, Kochi	IIUCNN	HRTEM
33	HRTEM-Amrita VishwaVidyapeetham University, Coimbatore	IIUCNN	HRTEM

34	HRTEM-CIPET : IPT – Bhubaneswar	IIUCNN	HRTEM
35	HRTEM-National Institute of Technology, Calicut, Kerala	IIUCNN	HRTEM
36	HRTEM-Kerala Forest Research Institute (KFRI), Trissur, Kerala	IIUCNN	HRTEM
37	HRTEM-SreeChitraTirunal Institute for Medical Sciences & Technology, Trivandrum, Kerala	IIUCNN	HRTEM
38	HRTEM-Osmania University, Amberpet, Hyderabad	IIUCNN	HRTEM
39	HRTEM-National Institute of Technology, Silcher, Assam	IIUCNN	HRTEM
40	HRTEM-St Teresa's College (Autonomous), Kochi, kerala	IIUCNN	HRTEM
41	HRTEM-Mar Athanasius College, Kothamangalam, Kerala	IIUCNN	HRTEM
42	HRTEM-Catholicate College, Pathanamthitta, Kerala	IIUCNN	HRTEM
43	HRTEM-TKM College of Engineering, Kollam, Kerala	IIUCNN	HRTEM
44	HRTEM-University of Madras, Chennai, Tamil Nadu	IIUCNN	HRTEM
45	HRTEM-AmalJyothi College of Engineering, Kanjirappally, Kerala	IIUCNN	HRTEM
46	HRTEM-Sree Buddha College of Engineering, Padanilam, Kerala	IIUCNN	HRTEM
47	HRTEM-Maharaja's College, Ernakulam	IIUCNN	HRTEM
48	HRTEM-CMS College, Kottayam, Kerala	IIUCNN	HRTEM

49	HRTEM-Central University of Kerala	IIUCNN	HRTEM
50	HRTEM-Birla Institute of Technology and Science, Pilani – Goa	IIUCNN	HRTEM
51	HRTEM-Dept of Physics, Kerala University, Trivandrum	IIUCNN	HRTEM
52	HRTEM-Department of Optoelectronics, Kerala University, Trivandrum	IIUCNN	HRTEM
53	HRTEM-Centre for Nanoscience, Kerala University, Trivandrum	IIUCNN	HRTEM
54	HRTEM-S B college, Changanassery, Kottayam, Kerala	IIUCNN	HRTEM
55	LC-MS/MS - Amrita Institute of Technology, Kollam	School of Environment Sciences	Non targeted analysis of Plant extract in methanol
56	Confocal Raman Spectrometer - Amrita Institute of Technology, Kollam	School of Environment Sciences	Non targeted analysis of Plant extract in methanol
57	LC-MS/MS - Nirmala College, Muvattupuzha	School of Environment Sciences	Analysis of synthesized organic compounds
58	Confocal Raman Spectrometer - Nirmala College, Muvattupuzha	School of Environment Sciences	Analysis of synthesized organic compounds
59	Fluorescence Spectrometer with life time Detector - Panjab University, Patiala	School of Environment Sciences	Analysis of zinc based compounds
60	Confocal Raman Spectrometer with AFM - Panjab University, Patiala	School of Environment Sciences	Analysis of zinc based compounds
61	Confocal Raman Spectrometer with AFM - CSIR-Central Electronics Engineering Research	School of Environment Sciences	Surface characterization of gold plated electronic circuits using Atomic Force Microscope.

	Institute (CEERI), Pilani, Rajasthan		
62	LC-MS/MS - University of Calicut, Malappuram	School of Environment Sciences	Alkaloids and steroids of Ayurveda formulations, non targeted.
63	Confocal Raman Spectrometer, with AFM - University of Calicut, Malappuram	School of Environment Sciences	Surface characterization of graphenenano sheets.
64	Confocal Raman Spectrometer with AFM - Dept. of Chemistry	School of Environment Sciences	Photoluminescence behavior of carbon dots and gold nano clusters
65	Fluorescence Spectrometer with life time Detector - Kerala University, Thiruvananthapuram, India	School of Environment Sciences	Photoluminescence behavior of carbon dots and gold nano clusters
66	Confocal Raman Spectrometer with AFM - Indian Institute of Tropical Meteorology (IITM), Pune, Maharashtra	School of Environment Sciences	Characterization and identification of compounds in the Aerosol using Confocal Raman Microscope and AFM.
67	LC-MS/MS - National Institute of Technology, Calicut, Kerala	School of Environment Sciences	Characterization of SERS substrate using Confocal Raman Microscope and Reaction monitoring using TCSPC.
68	Confocal Raman Spectrometer - National Institute of Technology, Calicut, Kerala	School of Environment Sciences	Characterization of SERS substrate using Confocal Raman Microscope and Reaction monitoring using TCSPC.
69	Fluorescence Spectrometer with life time Detector - National Institute of Technology, Calicut, Kerala	School of Environment Sciences	Characterization of SERS substrate using Confocal Raman Microscope and Reaction monitoring using TCSPC.
70	Confocal Raman Spectrometer with AFM - Centre for Water Resources Development and Management (CWRDM), Calicut,	School of Environment Sciences	Raman Imaging of Bacterial cells adsorbed on charcoal using Confocal Raman Microscope.

	Kerala		
71	Confocal Raman Spectrometer with AFM - Centre for Water Resources Development and Management (CWRDM), Calicut, Kerala	School of Environment Sciences	Raman Imaging of Bacterial cells adsorbed on charcoal using Confocal Raman Microscope.
72	Fluorescence Spectrometer with life time Detector - Cochin University of Science and Technology, Kerala, India	School of Environment Sciences	Fluorescence decay study using TCSPC Measurement, Characterization graphene layers using Raman spectroscopy.
73	Confocal Raman Spectrometer with AFM - Rani Durgavati University, Jabalpur, India	School of Environment Sciences	Surface characterization of polymer blend using AFM.
74	Confocal Raman Spectrometer with AFM - Karunya University, Coimbatore, India	School of Environment Sciences	Jackfruit Cellulose and commercial Cellulose characterization using Raman and AFM
75	Confocal Raman Spectrometer with AFM - Rani Durgavati University, Jabalpur, India	School of Environment Sciences	Surface characterization of polymer blend using AFM.
76	Fluorescence Spectrometer with life time Detector - Dept. of Physics, Kerala University, Thiruvananthapuram, India	School of Environment Sciences	Fluorescence emission studies using Fluorescence spectroscopy
77	Fluorescence Spectrometer with life time Detector - School of Chemical Sciences, M G University, Kottayam	School of Environment Sciences	Carbon Nano particle study using Raman spectrometer.
78	Confocal Raman Spectrometer with AFM - School of Chemical Sciences, M G University, Kottayam	School of Environment Sciences	Surface and mechanical properties of polymer blend using AFM.
79	Confocal Raman Spectrometer with AFM - School of Chemical	School of Environment Sciences	Metal Oxide Framework characterization using Raman

	Sciences, M G University, Kottayam		spectroscope and Fluorescence spectroscope.
80	Confocal Raman Spectrometer with AFM - Osmania University, Hyderabad, India	School of Environment Sciences	Graphene Nano layer characterization using AFM
81	Fluorescence Spectrometer with life time Detector - School of Environmental Sciences, M G University, Kottayam	School of Environment Sciences	Biosynthesised Ag nanoparticle characterization using AFM
82	Confocal Raman Spectrometer with AFM - Inter University Instrumentation Centre, M G University, Kottayam	School of Environment Sciences	Bio Cell imaging using Confocal Raman Microscope and PL
83	Fluorescence Spectrometer with life time Detector - School of Chemical Sciences, M G University, Kottayam	School of Environment Sciences	Carbon Nano particle study using Raman spectrometer.
84	Confocal Raman Spectrometer with AFM - Advance Centre of Environmental Studies and Sustainable Development, M G University, Kottayam	School of Environment Sciences	Surface and mechanical properties of polymer blend using AFM.
85	NCESS, Thiruvananthapuram	School of Environment Sciences	ICPMS analysis of sediment and water samples
86	SCS, MGU	School of Environment Sciences	TOC analysis
87	Department of civil engineering ,Rajiv Gandhi institute of technology , Kottayam	School of Environment Sciences	Heavy metal analysis of water sample- ICPMS
88	B C M College	School of Environment Sciences	ICPMS analysis of water samples
89	St Peters College, Kolenchery	School of Environment Sciences	ICPMS analysis

90	Nansen Environmental research centre, Kochi	School of Environment Sciences	Sediment grain size analysis of beach sediment
91	University of Kerala	School of Environment Sciences	Microwave digestion
92	SBS, MGU	School of Environment Sciences	ICPMS analysis
93	Rajiv Gandhi institute of technology , Kottayam	School of Environment Sciences	ICPMS analysis
94	University of Calicut	School of Environment Sciences	ICPMS analysis
95	Deva Matha college , Kuruvilagad	School of Environment Sciences	Phase contrast microscope
96	B C M College	School of Environment Sciences	ICPMS analysis
97	NCESS	School of Environment Sciences	ICPMS analysis
98	CUSAT	School of Environment Sciences	ICPMS analysis
99	Alphonsa college, Pala	School of Environment Sciences	Green auditing
<b>100 to 379 (280 Numbers)</b>	Testing and analysis - MA college, Kothamangalam	School of Pure and Applied Physics	Generated Income of Rs: 12150
	Testing and analysis - College of Pharmaceutical Science, Govt MC, TVM	School of Pure and Applied Physics	Generated Income of Rs: 6000
	Testing and analysis - MG College, TVM	School of Pure and Applied Physics	Generated Income of Rs: 8900
	Testing and analysis - SB College, Changanassery	School of Pure and Applied Physics	Generated Income of Rs: 13800
	Testing and analysis - IIRBS, MGU	School of Pure and Applied Physics	Generated Income of Rs: 10000



Testing and analysis - St Thomas College,Pala	School of Pure and Applied Physics	Generated Income of Rs: 15400
Testing and analysis - SCS, MGU	School of Pure and Applied Physics	Generated Income of Rs: 26500
Testing and analysis - IIUCNN,MGU	School of Pure and Applied Physics	Generated Income of Rs: 12675
Testing and analysis - Govt.College,Kottayam	School of Pure and Applied Physics	Generated Income of Rs: 2500
Testing and analysis - IIT Hydrebad	School of Pure and Applied Physics	Generated Income of Rs: 3500
Testing and analysis - St Thomas College,Ranni	School of Pure and Applied Physics	Generated Income of Rs: 400
Testing and analysis - School of Bioscience,MGU	School of Pure and Applied Physics	Generated Income of Rs: 600
Testing and analysis - CMS College,Kottayam	School of Pure and Applied Physics	Generated Income of Rs: 7900
Testing and analysis - Cochin College,Kochi	School of Pure and Applied Physics	Generated Income of Rs: 5150
Testing and analysis - Karappagam Higher Education,Coimbatore	School of Pure and Applied Physics	Generated Income of Rs: 2000
Testing and analysis - CPAS,Puthuppally	School of Pure and Applied Physics	Generated Income of Rs: 3000
Testing and analysis - AMMRC,MGU	School of Pure and Applied Physics	Generated Income of Rs: 8000
Testing and analysis - St. Therasa's, Ernakulam	School of Pure and Applied Physics	Generated Income of Rs: 450
Testing and analysis - Bharath MathaCollege,Thrikakkara	School of Pure and Applied Physics	Generated Income of Rs: 6250
Testing and analysis - St Joseph's College,Moolamattom	School of Pure and Applied Physics	Generated Income of Rs: 3500

Testing and analysis - Division of Physics,SAS,UIT,Chennai	School of Pure and Applied Physics	Generated Income of Rs: 2500
Testing and analysis - St.Joseph's College of Pharmacy	School of Pure and Applied Physics	Generated Income of Rs: 2000
Testing and analysis - DachaiyappanCollege,Chennai	School of Pure and Applied Physics	Generated Income of Rs: 2500
Testing and analysis - Loyola College	School of Pure and Applied Physics	Generated Income of Rs: 2500
Testing and analysis - DOP,University Of Calicut	School of Pure and Applied Physics	Generated Income of Rs: 3500
Testing and analysis - UC College,Aluva	School of Pure and Applied Physics	Generated Income of Rs: 1300
Testing and analysis - SES, MGU	School of Pure and Applied Physics	Generated Income of Rs: 2050
Testing and analysis - CatholocateCollege,Pathanamthitta	School of Pure and Applied Physics	Generated Income of Rs: 8800
Testing and analysis - POPU, Gujarat	School of Pure and Applied Physics	Generated Income of Rs: 2500
Testing and analysis - Institute of Engineering and Technology	School of Pure and Applied Physics	Generated Income of Rs: 3500
Testing and analysis - Cauvery College Of Women	School of Pure and Applied Physics	Generated Income of Rs: 4000
Testing and analysis - Department of Polymer Science and Rubber Technology	School of Pure and Applied Physics	Generated Income of Rs: 1050
Testing and analysis - TKM College of Engineering,Kollam	School of Pure and Applied Physics	Generated Income of Rs: 500
Testing and analysis - TKM Arts And Science College,Kollam	School of Pure and Applied Physics	Generated Income of Rs: 7350

Testing and analysis - St Thomas College,Thrissur	School of Pure and Applied Physics	Generated Income of Rs: 2650
Testing and analysis - St Thomas College,Kozhencherry	School of Pure and Applied Physics	Generated Income of Rs: 600
Testing and analysis - Al Ameen,Edathua	School of Pure and Applied Physics	Generated Income of Rs: 1600
Testing and analysis - Nirmala College,Moovattupuzha	School of Pure and Applied Physics	Generated Income of Rs: 300
Testing and analysis - CUTN	School of Pure and Applied Physics	Generated Income of Rs: 2250
Testing and analysis - SIC,NIOS,Kochi	School of Pure and Applied Physics	Generated Income of Rs: 2000
Testing and analysis - Amal Jyothi College Of Engineering	School of Pure and Applied Physics	Generated Income of Rs: 850
Testing and analysis - C-MET,Thrissur	School of Pure and Applied Physics	Generated Income of Rs: 1800
Testing and analysis - PR NSS College,Mattanoor	School of Pure and Applied Physics	Generated Income of Rs: 1050
Testing and analysis - St Aloysius,Edathua	School of Pure and Applied Physics	Generated Income of Rs: 1900
Testing and analysis - ISP,Cusat	School of Pure and Applied Physics	Generated Income of Rs: 1800

**Total : 379 Numbers**