

Report on Rapport Building Interaction with MoU Institutes

Name of the Institute: **Government College of Engineering, Nagpur**

Date of Interaction Visit: **21.03.2024**

Name and Designation of BIS Nodal Officer: **Shri Ritwik Anand, Scientist-D (ETD)**

Details of Nodal Faculty:

Name and Designation: **Dr. S. W. Rajurkar , Dean (Academics)**

Department: **Dean (Academics)**

Contact Number & Email Id: Email- swrajurkar@gmail.com , Mob - 8888072293

Key Personnel of Institute interacted with:

S.No	Name	Designation	Department
1	Dr. R.P. Borkar	Principal	-
2	Dr. S. W. Rajurkar	Dean (Academics)	Academics
3	Dr. S. N. Khante	Dean (Research & Quality Assurance)	(Research & Quality Assurance)
4	Prof. S. S. Pusadkar	Head of Department (Civil Engineering)	Civil Engineering
5	Dr. D. S. Choudhari	Head of Department (Electronics & Telecommunication)	Electronics & Telecommunication
6	Dr (Mrs) K G Asutkar	Associate Professor	Civil Engineering
7	Dr Sachin P Jolhe	Assistant Professor	Electrical Engineering
8	Shri Praful Vijay Nandankar	Assistant Professor	Electrical Engineering
9	Ms Sujata G Bhele	Assistant Professor	Electronics & Telecommunication

Report:

Sl No.	Discussion Point	Remarks
1.	<p><i>Introduction of module/course on Standardization in curriculum</i></p> <p>(Propagating the idea of introduction of subjects on Standardization in modules/courses of key programmes in the following two formats:</p> <ul style="list-style-type: none">i) Course on general aspects of standardization (IIT Roorkee model)ii) Department specific courses) <p>a) Has the institute shown interest (Yes/No)</p> <p>b) If Yes, details on further discussions:</p> <ul style="list-style-type: none">i) Format of introduction (in the form of a course/special module/lecture series etc.ii) Key departments identified for introduction (indicating number and names of programmes identified)iii) Tentative timelines for implementation.	<p>The idea of introduction of subjects on Standardization in modules/courses was discussed in details . The idea was well appreciated by the members of the institute and they expressed their interest in the same.</p> <p>Yes</p> <p>Principal of the institute informed that, courses/ modules of their institute are at present designed by the Nagpur University. College at present cannot modify the same.</p>
2.	<p><i>R&D projects related to Standardization</i></p> <p>(Information to be shared on R&D guidelines and availability of ToRs on BIS portal, encouraging the institute for submission of proposals on areas of interest):</p> <p>a) Number and details of R&D proposals already submitted by the institute (Department –wise):</p> <p>b) Number and details of R&D proposals planned for submission (Department – wise):</p> <p>c) Any difficulties/challenges faced by the institute</p>	<p>Details were shared. They were already aware of the R&D projects however till visit no proposal was submitted by the institute.</p> <p>It was suggested that the time period of 6 months is too less considering the fact that a faculty will not be able to fully devote their time to such projects involving lot of survey and visits.</p>

Sl No.	Discussion Point	Remarks
3.	<p><i>Dissemination of information related to BIS activities and initiatives among faculty and research scholars</i></p> <p>(Institute to be sensitized on importance of dissemination of relevant information among its faculty and research scholars for their fruitful participation):</p> <p>a) How relevant information is being disseminated by the institute nodal officer</p> <p>b) Have the relevant reference handbooks/materials/information provided by BIS HQ reached at appropriate levels?</p> <p>c) Was the information shared w.r.t. following) Also indicating the response of the institute:</p> <p>i) Standardization contest on sustainability</p> <p>ii) Contest on IEC logo</p> <p>iii) Development of Reference Handbooks</p> <p>iv) Calendar of Lecture Series (Discipline wise)</p>	<p>The members were also informed in details about initiatives like standardization contest , preparation of reference handbooks and RFP for the same, logo contest, Talk on standards. They were requested to disseminate the information amongst professors and students.</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
4.	<p><i>Database of faculty and research scholars</i></p> <p>(Details with their contact details as per Annex-1 to be obtained from institute):</p> <p>a) Total Number of Faculty at institute</p> <p>b) Number of faculty participating in Technical Committees of BIS</p> <p>c) Total Number of Research Scholars at institute</p>	<p>Refer Annex-1</p> <p>PhD program not available at institute.</p>
5.	<p><i>Innovation center, start-up/incubation center at the institute</i></p> <p>a) Does such a setup exist at the institute (Yes/No)</p> <p>b) If Yes, details to be obtained as per Annex-2</p>	<p>Refer Annex-2</p>

Sl No.	Discussion Point	Remarks
6.	<p><i>Conducting department specific BIS related programs like Technical Committee meetings, seminars, workshops, special visits etc</i></p> <p>a) Number of departments willing to conduct such activities:</p> <p>b) Name of such departments (indicating the scope of work/research and key interest subject areas)</p> <p>c) Details of infrastructure available to conduct various BIS related programs indicating</p> <p>i) hall area, seating capacity, seating style etc</p> <p>ii) availability of facilities to host hybrid meetings</p>	<p>All the department present, showed their willingness to conduct joint workshops/seminars .</p> <p>One meeting room with capacity of approx. 40.</p>
7.	<p><i>Standards Club Activities</i></p> <p>a) Number of Standards Clubs established and name of corresponding department</p> <p>b) Number of Standards Clubs planned for set up and name of corresponding department</p> <p>c) Whether BIS policy on Standards Club is shared with all HoDs of engineering/technical departments.</p>	<p>5 standards clubs (each department) has already been established by the institute and they all have conducted one program . Details are enclosed at Annex-3.</p> <p>Yes</p>

Sl No.	Discussion Point	Remarks
8.	<i>Any other feedback/information</i>	Faculties were encouraged to use BIS Website, particularly Academic Dashboard, as well as to listen to BIS Talks available on our website. They were also requested to encourage students to use our website, and read the reference materials shared by BIS on various subjects. They were also requested to actively participate in national and international standardization and suggest subjects of new areas which can be proposed by India at international level.

ANNEX-1
FACULTY DATA

SI No.	Prof Name	Institute Name	Designation	Department	Core Subject Area	Expertise	Technical Committee(s) of which a member	Email ID	Contact Number	Remarks
1	Dr.S.N.Khante	Government College of Engineering Nagpur	Associate Professor	Civil Engineering	Civil Engineering	Structural Engineering		snkhante@yahoo.com	7972749443, 9860441250	
2	Dr. Kiran Gajendra Asutkar	Government College of Engineering Nagpur	Associate Professor	Civil Engineering	Civil Engineering	Environmental Engineering		kgasutkar@gcoen.ac.in	9881747815	
3	Dr.S.S.Pusadkar	Government College of Engineering Nagpur	Associate Professor	Civil Engineering	Civil Engineering	Geotechnical Engineering		ss_pusadkar@yahoo.co.in	9422915635	
4	Dr.P.B.Daigavane	Government College of Engineering Nagpur	Associate Professor	Civil Engineering	Civil Engineering	Geotechnical Engineering		prashant.daigavane@gmail.com	9881023763	
5	Dr.K.N.Kadam	Government College of Engineering Nagpur	Associate Professor	Civil Engineering	Civil Engineering	Structural Engineering		kadamkshitija7@gmail.com	9326235484	
6	Prof.A.A.Gawai	Government College of Engineering Nagpur	Associate Professor	Civil Engineering	Civil Engineering	Water Management		ashwingawai@yahoo.com	9881771900	
7	Dr.S.A.Tekade	Government College of Engineering Nagpur	Associate Professor	Civil Engineering	Civil Engineering	Water Resources		shrikant510stekade@gmail.com	9975722854	

8	Dr. Latesh Malik	GCOE Nagpur	Associate Prof	Comp Sc & Engg	AI,ML, Security, IOT	AI,ML, Security, IOT		latesh.gagan@gmail.com	9923343121	
9	Dr. D. J. Chaudhari	GCOE Nagpur	Assistant Prof.	Comp Sc & Engg	AI, ML, DL	Machine Learning		djchaudhari73@gmail.com	8956022197	
10	Dr., Prashant b. Jawade	GCOE Nagpur	Assitant professor	Comp Sc & Engg	AI,ML Security ,Cloud computing and IOT			prashantjawade1234@gmail.com	9373494818	
11	Dr. N. D. Ghawghawe	Government College of Engineering, Nagpur	Professor	Electrical	Electrical Power Systems	Power System Analysis and Computation, Optimization Techniques, Microprocessor and Microcontroller based Systems, Power Systems Deregulation, Power System Automation, FACTS	Life Membership of IEI, Life Membership of ISTE, Life Membership of IETE , Academic Guide for M.B.A. Course (Appointed by ICFAI)	gnit1964@gmail.com	919420254821	
12	Dr Rajesh S Surjuse	Government College of Engineering, Nagpur	Associate Professor	Electrical	Electrical Power Systems	Power Electronics, Drives and Control, Power Quality, dSpace hardware & software technique, Power System Stability and Control using static VAR Controller, PWM Inverter and	I.S.T.E. Life Member - LM22278 I.E.E.E. Student Member- 90567059 International Journal of Engineering Research and Industrial Applications (IJERIA) Life Member-	surjusemnit@rediffmail.com	919767544979	

						other Converters, Steady State, Transient, Stability and Harmonics analysis of the Drives using Conventional Control, Direct Torque Control, Vector Control, Sensor less and other control scheme, Artificial Intelligence based estimators and observers, Application of soft computational methods to power system, Solar PV Systems Grid-connected / Standalone, Electric Vehicles, smart grid.	LM:2098 International Association of Engineers (IAENG) Member -100040 International Association of Computer Science and Information Technology (IACSIT) Member-80332545			
13	Dr Sachin P Jolhe	Government College of Engineering, Nagpur	Assistant Professor	Electrical	Electrical Power Systems	Power Electronics, Inverters, Renewable Energy System, Micro And Nanogrid, Smart Grid Protection	Member of the Indian Society for Technical Education (ISTE) with Member Number LM – 87292	sp.jolhe@gov.in , spjolhe@gcoen.ac.in	9890424373	

14	Rajani Maniram Sahare	Government College of Engineering, Nagpur	Assistant Professor	Electrical	Electrical Power Systems	Power Systems, Switch Gear & Protection, Non-conventional Energy Sources		saharerajani29@gmail.com	9860090083	
15	Neha Vijay Khadse	Government College of Engineering, Nagpur	Assistant Professor	Electrical	Electrical Power Systems	Power System, Electrical Drives, Non-conventional Energy Sources, FACTS		nehakhadse7@gmail.com	9096218277	
16	Praful Vijay Nandankar	Government College of Engineering, Nagpur	Assistant Professor	Electrical	Power Electronics & Drives	Power Electronics, Electrical Drives, Non-conventional Energy Sources, FACTS	Member of the International Association of Engineers (IAENG) with Member Number 214428. Life Member with Regd No. LM21238015 and Membership title of Fellow (FSIESRP) in the Society of Innovative Educationalist & Scientific Research Professionals Chennai Membership of Professional Engineer and the Registration title P.Engr in the Society of	pppful@gmail.com	9423633372	

							Professional Engineers, India Associate Member of The Institute of Engineers (India) with Membership Number-AM165987-4.			
17	Dr.D.S.Choudhari	G.C.O.E.NAGPUR	Professor and Head Of Department	Electronics and Telecommunication	Electronics /Telecommunication Engineering	Electronics Biomedical Engineering	*Worked as Chairman/Member in DTE,AICTE,UGC Government etc Comitties. *Drafted Patents *Technical Testing Consultancies Work.	ddsscc@yahoo.com	9421821030	PhD Recognised Guide.Electronics and Allied Branches computer and electrical engineering.

18	Dr.R.D.Raut	G.C.O.E.NAGPUR	Associate Professor and Dean CA	Electronics and Telecommunication	Electronics /Telecommunication Engineering	wireless Communication	*ISTE National Executive council Member *IETE Executive council Membe*IEI Executive council*BOS Member RTMNU Priyadarshini College,Nagpur. * Worked as Chairman/Member in DTE,AICTE,UGC Government etc Comitties. *Granted Patents *Technical Testing Consultancies Work *IJTE Journal Associate editor.	rdraut@gcoen.ac.in	9822797046	PhD Recognised Guide.
19	S.G.Bhele	G.C.O.E.NAGPUR	Assistant Professor	Electronics and Telecommunication	Electronics Engineering	Signal and Image processing	NIL	sujata_bhele@yahoo.co.in	9404082595	NIL
20	S.K.Meshram	G.C.O.E.NAGPUR	Assistant Professor	Electronics and Telecommunication	Electronics /Telecommunication Engineering	Very large Scale Integration	NIL	shilpa.ukey@yahoo.com	9657477104	NIL

21	Vikram Prabhakar Titarmare		Assistant Professor	Mechanical	Mechanical Engineering design	Design of mechanical drives, Hydraulic machines ,Fluid Mechanics, Engineering Metallurgy, Manufacturing process,	I.S.T.E. Life Member - LM100656	vikramtitarmare@rediffmail.com	9822539002	
22	Prof. S. R. Wagh	Government College of Engineering Nagpur	Assistant Professor	Mechanical	Power Engineering	Power Engineering, Thermal Engineering,I.C.Engine	I.S.T.E. Life Member - LM	srwagh76@gmail.com		
23	A.A.Uplap	Government College of Engineering Nagpur	Assistant Professor	Mechanical	Production Technology	Production Technology & Management	I.S.T.E. Life Member - LM NUTA LIFE MEMBER -LM	auplapa@gmail.com	9890678535	
24	Tripti Kumbalpuri	Government College of Engineering Nagpur	Assistant Professor	Mechanical	Fluid Mechanics, Mechanical Engineering Design	Kinametics and Dynamics of machies,Fluid Dynamics, Microfluidics , Machanical Engineering Design	I.S.T.E. Life Member - LM42181	tripti.kyawal@gmail.com	9922424306	
25	Monika S. Satpute	Government College of Engineering Nagpur	Assistant Professor	Mechanical	Thermal power engg	ic engine, heat pipe, composite material	I.S.T.E. Life Member	mssatpute@gcoen.ac.in	8007607864	
26	Dr Sanjay B Ingole	Government College of Engineering Nagpur	Associate Professor	Mechanical Engineering	Machine Design	Machine design, Dynamics of machines, vibration	AMM and ISTE	sbingole@gcoen.ac.in	9371459644	

27	Dr Uday S.Wankhede	Government College of Engineering Nagpur	Associate Professor	Mechanical Engineering	Thermal Engineering	Thermal Engineering, Heat Transfer, Engineering Thermodynamics	AMM and ISTE	udaywankhede74@gmail.com	9822369627	
28	Dr Ravindrababu Yarasu	Government College of Engineering Nagpur	Associate Professor	Mechanical Engineering	Thermal Engineering	Thermal Engineering, Heat Transfer, Engineering Thermodynamics	AMM and ISTE	rbyarasu@gmail.com	8208918257	
29	Dr Sanjay W Rajurkar	Government College of Engineering, Nagpur	Associate Professor & Dean (Academics)	Mechanical Engineering	Mechanical Engineering - Production Engineering	Manufacturing Technology, Industrial Engineering, Operation Research, Power plant Engineering, Industrial Management, Supply Chain Management, Production Engineering	Life Membership of IEI, Life Membership of ISTE, Life Membership of Solar Energy Society of India, Life Membership of Association for Machines & Mechanisms	swrajurkar@gcoen.ac.in	8788584789	

SCHOLAR DATA

Sl. No	Name of Institute	Name of Research Scholar			Department	Supervisor's Name	Area of Research	Research Interests	Batch	Contact Number	Email ID 1
1	GCOE Nagpur	Priti Danke			Computer Sc & Engg	Dr. Latesh Malik	Block Chain	Security, AI,ML, IOT		9923343121	latesh.gagan@gmail.com
2	G.C.O.E. NAGPUR, place of Research is RTMNU	Student	Thesis title	Ph.D. awarded	Electronics and Telecommunication	Dr.R.D.Raut	wireless Communication	wireless Communication		9822797046	rdraut@gcoen.ac.in
		Sunil Moon	To study and Simulate the Innovative Video CryptoSteganography using Computer Forensic Technique for Enhanced Data Security	Awarded							
		Seema Taywade	A Real Time EEG data compression and Transmission for Remote Patient Monitoring System	Awarded							
		Raghavan Madbushi	A Novel and secure two layer approach to mitigate primary user emulation attack in Cognitive Radio	Awarded							

		Awani S. Khobragade	Experimental studies for Optimized Spectrum Sensing Techniques in Cognitive Radio	Awarded							
		Priti Subramaniam	Optimization of Adaptive Coding Technique to improve BER in OFDM System	Awarded							
		Sheetal Gunjal	Adaptive Source Encoder for SDR in Cognitive Radio	Awarded							
		Rahul Awthankar	Development Of An Efficient Low Complexity Channel Decision Model With Conflicting RadioNetwork	Awarded							
		Madhura Kulkarni		Submitted							
		SHAMAL Pampattiwar	VLSI Design of Reconfigurable Convolutional Encoder	Pursuing							
		minakshi D.Dhahake	Space Debris Tracking using modern wireless communication	Pursuing							

ANNEX-2
INCUBATION CENTER

Sl. No.	Name of Institute	Name of the Incubation/ Innovation centre/Startup Hub	Core Area of work	SPOC	Email ID	Contact	Remarks
1	Government College of Engineering, Nagpur	Subcentre of INCUBEIN FOUNDATION, Nagpur	IoT, Electronic Circuits Design, Solar Energy Sources, CAD drawings	Dr Nitin Deorao Ghawghawe	gnit@rediffmail.com	9420254821	
2							

ANNEX-3

Govt. of Maharashtra

Government College of Engineering, Nagpur

Sector- 27, Mihan Rehabilitation Colony Khapri, Nagpur-441 108 (Maharashtra State)

"To be an Institution of National Repute Creating Globally Competent Technocrats to Serve the Society"Phone No. : (07103) 295226(P), 295220(O) Website:- www.gcoen.ac.inE-mail: principal.gcoenagpur@dtmaharashtra.gov.in -office.gcoenagpur@dtmaharashtra.gov.in

Sr.No. GCOEN/Civil/2024/56

Date: 01.04.24

Standard Club Activities at GCoE Nagpur

Sr.No.	Name of Standard Club	Name of Activity	No. of Beneficiaries
1	Civil Engg Standard Club	Structure Spy	50
2	Mechanical Engineering Standard Club	Virtual placement	154
3	Electrical Engineering Standard Club	Bornpsychos	40
4	Electronics & Telecom Standard Club	Innovation Express	35
5	Computer Science Engineering Standard Club	Quizmaster	32

Details of Technical Events were organized in collaboration with BIS

Innovation Express This event was conducted by Electronics deptt Standard Club which received 30+ entries from all over India. In this event participants came up with some innovative solutions to the problems in the industry and daily life, and discussed various standards used in their innovative ideas.

Structure Spy This event was conducted by Civil Engg Standard Club and it received a good response. Overall 50 participants took part in the event. All of them had fun and got to learn something new about the Standards in the Civil Engineering aspects.

Quizmaster It was conducted by Computer Science Engineering Standard Club. It was a riddle solving experience for all the 30+ participants. All the riddles were based on various terminologies used in the Computer Science and Standards used in the field.

Bornpsychos This event was conducted under Electrical Engineering Standard Club and received excellent response from all over Nagpur and 40+ teams participated in the event. It had some treasure hunt rounds, based on the clues on the Standards of the equipment used in Electrical Engineering.

Virtual placement It is one of our most popular technical events. It is a simulation of a corporate recruitment process with aptitude tests, group discussion and interviews to prepare the students for the actual challenges beforehand. Topic of group discussion was based on Indian Standards. This year, we had an overwhelming response for this event with around 150+ participants. This event was conducted under Mechanical Engineering Standard Club


Dean SW


Nodal Officer

Principal

Dean, Academics

Govt. College of Engg. Nagpur