

# National Institute of Foundry and Forge Technology (NIFFT) , Hatia, Ranchi

## Mandatory Information

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**Name of the Programme** : **M. Tech (Manufacturing Engineering)**

**Approved Intake** : 18

**Fees charged (per annum) in Rs.** : General : 16960 SC/ST: 9320

**Pass Percentage during the last five years** : 87

**Teacher Student Ratio** : 1:9.1

**No. of Faculty members** : **42**

Cadre	Number
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Professor	:13+6 <sup>#</sup>
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Asst. Professor	: 7+1 <sup>#</sup>
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Lecturer	:15
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**Faculty Profile** :

Qualification	No. of Faculty
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Ph.D.	: 20 +1*
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Post Graduate	: 11
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Under Graduate	: 3
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**Experience of Faculty** :

No. of Faculty with experience	
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Less than 5 years	: 1
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5 to 10 years	: 12
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More than 10 years	: 22
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**Details of individual faculty members** :

Name, Qualification, Professional Experience, Research Interests are provided at the end.

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<sup>#</sup> Yet to be filled, \* Ph.D. Thesis submitted

***Industrial Consultancy, Research and Development (during the past 5 years):***

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Amount of Industrial Consultancy earned (in lakhs of Ruppees	:	4.89
No. of sponsored research projects completed	:	4
No. of patent produced	:	Nil
No. of sponsored research projects in progress	:	2
No. of papers published in International journals	:	75
No. of papers published in National journals	:	26
No. of papers presented in International Conferences / Seminars	:	37
No. of papers presented in National Conferences / Seminars	:	72
No. of International Conferences conducted	:	1
No. of National Conferences conducted	:	19
No. of Training Programmes / Short Term Courses conducted	:	40

***Placement record for the previous year*** :

No. of Companies who visited the campus along with No. of student placed	:	25
Names of few companies who visited the campus		Tata Motors, Eicher Motor, Essar Steel, DGP, Hindalco, etc
No. of students placed through campus recruitment	:	1 out of 6
Maximum Salary drawn (in Rs.)	:	CTC Rs. 2.50lakhs (after training)
Average Salary drawn (in Rs.)	:	CTC Rs. 1.75 lakhs

<b><i>Budget Allocation for the Programme (in Rs. Lakh) :</i></b>	<b>Recurring</b>	<b>: 332.9</b>
	<b>Non Recurring</b>	<b>: 99.45</b>

***New initiatives and future vision, in any :*** New programme called ADC (Forming Technology) and M. Tech. (Nano Technology) will commence from 2006

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## National Institute of Foundry and Forge Technology (NIFFT) , Hatia, Ranchi

### Mandatory Information

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**Name of the Programme** : **M. Tech (Foundry and Forge technology)**

**Approved Intake** : 18

**Fees charged (per annum) in Rs.** : General : 16960 SC/ST: 9320

**Pass Percentage during the last five years** : 83

**Teacher Student Ratio** : 1:9.1

**No. of Faculty members** : **42**

Cadre	Number
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Professor	:13+6 <sup>#</sup>
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Asst. Professor	: 7+1 <sup>#</sup>
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Lecturer	:15
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**Faculty Profile** :

Qualification	No. of Faculty
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Ph.D.	: 20 +1*
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Post Graduate	: 11
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Under Graduate	: 3
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**Experience of Faculty** :

No. of Faculty with experience	
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Less than 5 years	: 1
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5 to 10 years	: 12
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More than 10 years	: 22
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**Details of individual faculty members** :

Name, Qualification, Professional Experience, Research Interests are provided at the end.

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<sup>#</sup> Yet to be filled, \* Ph.D. Thesis submitted

***Industrial Consultancy, Research and Development (during the past 5 years):***

Amount of Industrial Consultancy earned (in lakhs of Rupees	:	4.89
No. of sponsored research projects completed	:	5
No. of patent produced	:	Nil
No. of sponsored research projects in progress	:	2
No. of papers published in International journals	:	75
No. of papers published in National journals	:	26
No. of papers presented in International Conferences / Seminars	:	37
No. of papers presented in National Conferences / Seminars	:	72
No. of International Conferences conducted	:	1
No. of National Conferences conducted	:	19
No. of Training Programmes / Short Term Courses conducted	:	40

***Placement record for the previous year***

No. of Companies who visited the campus along with No. of student placed	:	25
Names of few companies who visited the campus	:	Tata Motors, Eicher Motor, Essar Steel, DGP Hinodaya, Hindalco, etc
No. of students placed through campus recruitment	:	3 out of 6
Maximum Salary drawn (in Rs.)	:	CTC Rs. 2.50lakhs (after training)
Average Salary drawn (in Rs.)	:	CTC Rs. 1.75 lakhs

<b><i>Budget Allocation for the Programme (in Rs. lakh)</i></b>	:	<b>Recurring</b>	: 332.90
		<b>Non Recurring</b>	: 99.45

***New initiatives and future vision, in any :*** New programme called ADC (Forming Technology) and M. Tech. (Nano Technology) will commence from 2006

**National Institute of Foundry and Forge Technology (NIFFT) , Hatia, Ranchi**

**Mandatory Information**

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***Name of the Programme*** : **B.Tech. (Manufacturing Engineering)**

***Approved Intake*** : **40**

***Fees charged (per annum) in Rs.*** : General : 15250                      SC/ST: 8650

***Pass Percentage during the last five years*** : **92**

***Teacher Student Ratio*** : **1:9.1**

***No. of Faculty members*** : **42**

<b>Cadre</b>	<b>Number</b>
Professor	:13+6 <sup>#</sup>
Asst. Professor	: 7+1 <sup>#</sup>
Lecturer	:15

***Faculty Profile*** :

<b>Qualification</b>	<b>No. of Faculty</b>
Ph.D.	: 20 +1*
Post Graduate	: 11
Under Graduate	: 3

***Experience of Faculty*** :

<b>No. of Faculty with experience</b>	
Less than 5 years	: 1
5 to 10 years	: 12
More than 10 years	: 22

***Details of individual faculty members*** :

Name, Qualification, Professional Experience, Research Interests are provided at the end.

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<sup>#</sup> Yet to be filled , \* Ph.D. Thesis submitted,

***Industrial Consultancy, Research and Development (during the past 5 years):***

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Amount of Industrial Consultancy earned (in lakhs of Rupees	:	4.89
No. of sponsored research projects completed	:	4
No. of patent produced	:	Nil
No. of sponsored research projects in progress	:	2
No. of papers published in International journals	:	75
No. of papers published in National journals	:	26
No. of papers presented in International Conferences / Seminars	:	37
No. of papers presented in National Conferences / Seminars	:	72
No. of International Conferences conducted	:	1
No. of National Conferences conducted	:	19
No. of Training Programmes / Short Term Courses conducted	:	40

***Placement record for the previous year*** :

No. of Companies who visited the campus along with No. of student placed	:	25
Names of few companies who visited the campus	:	Tata Motors, Eicher Motor, Essar Steel, DGP Hinodaya, Hindalco, etc
No. of students placed through campus recruitment	:	28 out of 38
		Higher Studies: 7
Maximum Salary drawn (in Rs.)	:	CTC Rs. 4 lakhs (after training)
Average Salary drawn (in Rs.)	:	CTC Rs. 1.5 lakhs

***Budget Allocation for the Programme (in Rs. Lakh)*** :

**Recurring** : 332.9

**Non Recurring** : 99.45

***New initiatives and future vision, in any :*** New programme called ADC (Forming Technology) and M. Tech. (Nano Technology) will commence from 2006

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**National Institute of Foundry and Forge Technology (NIFFT) , Hatia, Ranchi**

**Mandatory Information**

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***Name of the Programme*** : **B.Tech. Metallurgical and Materials Engg. (MME)**

***Approved Intake*** : **30**

***Fees charged (per annum) in Rs.*** : General : 15250 SC/ST: 8650

***Pass Percentage during the last five years*** : **92**

***Teacher Student Ratio*** : **1 : 9.1**

***No. of Faculty members*** : **42**

**Cadre                      Number**

Professor : 13+6<sup>#</sup>

Asst. Professor : 7+1<sup>#</sup>

Lecturer : 15

***Faculty Profile*** :

**Qualification                      No. of Faculty**

Ph.D. : 20 +1<sup>\*</sup>

Post Graduate : 11

Under Graduate : 3

***Experience of Faculty*** :

**No. of Faculty with experience**

Less than 5 years : 1

5 to 10 years : 12

More than 10 years : 22

***Details of individual faculty members*** :

Name, Qualification, Professional Experience,  
Research Interests are provided at the end.

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<sup>#</sup> Yet to be filled, <sup>\*</sup> Ph.D. Thesis submitted

***Industrial Consultancy, Research and Development (during the past 5 years):***

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Amount of Industrial Consultancy earned (in lakhs of Rupees	:	4.89
No. of sponsored research projects completed	:	4
No. of patent produced	:	Nil
No. of sponsored research projects in progress	:	2
No. of papers published in International journals	:	75
No. of papers published in National journals	:	26
No. of papers presented in International Conferences / Seminars	:	37
No. of papers presented in National Conferences / Seminars	:	72
No. of International Conferences conducted	:	1
No. of National Conferences conducted	:	19
No. of Training Programmes / Short Term Courses conducted	:	40

***Placement record for the previous year*** :

No. of Companies who visited the campus along with No. of student placed	:	25
Names of few companies who visited the campus	:	Tata Motors, Eicher Motor, Essar Steel, DGP Hinodaya, Hindalco, etc
No. of students placed through campus recruitment	:	19 out of 25 Higher studies : 4
Maximum Salary drawn (in Rs.)	:	CTC Rs. 4 lakhs (after training)
Average Salary drawn (in Rs.)	:	CTC Rs. 1.5 lakhs

<b><i>Budget Allocation for the Programme (in Rs. Lakh)</i></b>	:	<b>Recurring</b>	: 332.9
		<b>Non Recurring</b>	: 99.45

***New initiatives and future vision, in any :*** New programme called ADC (Forming Technology) and M. Tech. (Nano Technology) will commence from 2006

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## Mandatory Information

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**Name of the Programme** : **Advanced Diploma Course (Foundry Technology)**

**Approved Intake** : 30

**Fees charged (per annum) in Rs.** : General : 3250 SC/ST: 2750

**Pass Percentage during the last five years** : 73

**Teacher Student Ratio** : 1:9.1

**No. of Faculty members** : 42

Cadre	Number
Professor	:13+6 <sup>#</sup>
Asst. Professor	: 7+1 <sup>#</sup>
Lecturer	:15

**Faculty Profile** :

Qualification	No. of Faculty
Ph.D.	: 20 + 1*
Post Graduate	: 11
Under Graduate	: 3

**Experience of Faculty** :

No. of Faculty with experience	
Less than 5 years	: 1
5 to 10 years	: 12
More than 10 years	: 22

**Details of individual faculty members** :

Name, Qualification, Professional Experience, Research Interests are provided at the end.

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<sup>#</sup> Yet to be filled, \* Ph.D. Thesis submitted.

***Industrial Consultancy, Research and Development (during the past 5 years):***

Amount of Industrial Consultancy earned (in lakhs of Rupees	:	4.89
No. of sponsored research projects completed	:	4
No. of patent produced	:	Nil
No. of sponsored research projects in progress	:	2
No. of papers published in International journals	:	75
No. of papers published in National journals	:	26
No. of papers presented in International Conferences /	:	37
No. of papers presented in National Conferences / Seminars	:	72
No. of International Conferences conducted	:	1
No. of National Conferences conducted	:	19
No. of Training Programmes / Short Term Courses conducted	:	40

***Placement record for the previous year :***

No. of Companies who visited the campus along with No. of student placed	:	25
Names of few companies who visited the campus	:	Tata Motors, Eicher Motor, Essar Steel, DGP Hinodaya, Hindalco, etc
No. of students placed through campus recruitment	:	14 out of 15
Maximum Salary drawn (in Rs.)	:	8000/- per month
Average Salary drawn (in Rs.)	:	CTC 80, 000/annum

***Budget Allocation for the Programme (in Rs. Lakh) :***

**Recurring** : 332.9

**Non Recurring** : 99.45

***New initiatives and future vision, if any :*** New programme called ADC (Forming Technology) and M.Tech. (Nano Technology) will commence from 2006

## **Mandatory Information**

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<b><i>Name of the Programme</i></b>	:	<b>Advanced Diploma Course (ADC) Forge Technology</b>	
<b><i>Approved Intake</i></b>	:	30	
<b><i>Fees charged (per annum) in Rs.</i></b>	:	General : 3250	SC/ST: 2750
<b><i>Pass Percentage during the last five years</i></b>	:	92	
<b><i>Teacher Student Ratio</i></b>	:	1 : 9.1	
<b><i>No. of Faculty members</i></b>	:	42	
		<b>Cadre</b>	<b>Number</b>
		Professor	:13+6 <sup>#</sup>
		Asst. Professor	: 7+1 <sup>#</sup>
		Lecturer	:15
<b><i>Faculty Profile</i></b>	:	<b>Qualification</b>	<b>No. of Faculty</b>
		Ph.D.	: 20 +1 <sup>*</sup>
		Post Graduate	: 11
		Under Graduate	: 3
<b><i>Experience of Faculty</i></b>	:	<b>No. of Faculty with experience</b>	
		Less than 5 years	: 1
		5 to 10 years	: 12
		More than 10 years	: 22
<b><i>Details of individual faculty members</i></b>	:	Name, Qualification, Professional Experience, Research Interests are provided at the end.	

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<sup>#</sup> Yet to be filled, <sup>\*</sup>Ph.D. Thesis submitted

***Industrial Consultancy, Research and Development (during the past 5 years):***

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Amount of Industrial Consultancy earned (in lakhs of Rupees	:	4.89
No. of sponsored research projects completed	:	4
No. of patent produced	:	Nil
No. of sponsored research projects in progress	:	2
No. of papers published in International journals	:	75
No. of papers published in National journals	:	26
No. of papers presented in International Conferences / Seminars	:	37
No. of papers presented in National Conferences / Seminars	:	72
No. of International Conferences conducted	:	1
No. of National Conferences conducted	:	19
No. of Training Programmes / Short Term Courses conducted	:	40

***Placement record for the previous year*** :

No. of Companies who visited the campus along with No. of student placed	:	25
Names of few companies who visited the campus	:	Tata Motors, Eicher Motor, Essar Steel, DGP Hinodaya, Hindalco, etc
No. of students placed through campus recruitment	:	13 out of 13
Maximum Salary drawn (in Rs.)	:	8000/- per month
Average Salary drawn (in Rs.)	:	CTC 80,000 /annum

***Budget Allocation for the Programme (in Rs. Lakh)*** :

**Recurring : 332.90**

**Non Recurring : 99.45**

***New initiatives and future vision, in any:*** New programme called ADC (Forming Technology) and M. Tech. (Nano Technology) will commence from 2006

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**Details of individual faculty members**

**DIRECTOR**

Name of Faculty	Designation	Qualifications	Subjects Distribution	No of Papers Published in 3 yrs	
				J	C
<b>Dr. V. K Sinha</b>	<b>Professor &amp; In Charge Director</b>	<b>B.Sc.(Met), Ph.D (IITK)</b>	<b>Adv. Physical Metallurgy, Phase Equilibria and Material System</b>	<b>3</b>	<b>2</b>

**1. FOUNDRY TECHNOLOGY DEPARTMENT**

Name of Faculty	Designation	Qualifications	Subjects Distribution	No of Papers Published	
				J	C
<b>Dr. Sohan Lal</b>	Professor	B.Sc. (Met. Engg.) M. Tech. (Met. Engg.), Ph.D.(IIT K)	Metal Casting, Technology of Ferrous Casting, Introduction to Manf., Powder Metallurgy		<b>4</b>
<b>Dr. P. T. Pushp</b>	Professor Head	B.Sc., M. Tech.(Foundry Tech.) Ph.D. (Ranchi)	Sand Technology and Methoding, Technology of Iron and Steel Casting, Physical Metallurgy and Heat Treatment, Metal Casting and Welding Technology, Extractive Metallurgy	<b>1</b>	<b>2</b>
<b>Dr. A. K. Singh</b>	Professor	B.Sc.,B.E. (Mech.), M. Tech. (Foundry-Forge Tech.),Ph.D. (Ranchi)	Sand Technology and Methoding, Workshop Practice, HMT, Technology of Moulding and core Making		<b>1</b>
<b>Dr. P.C. Maity</b>	Professor	B.E. (Met. Engg.) M.E. (Met. Engg.) Ph. D. (IIT Kh.)	Technology of Ferrous Casting, Workshop Practice I I, Physical Metallurgy and Metallography, Methoding of Casting, Extractive Metallurgy, Engg. Material and Metallurgy	<b>3</b>	<b>10</b>
<b>Mr. D. N. Prasad</b>	Assistant Professor	B. Sc. Engg.(Met.) M. Tech. (Foundry Tech.)	Metal Casting, Technology of Iron and Steel Casting, Technology of Moulding and core Making		<b>1</b>
<b>Dr. K.K. Singh</b>	Assistant Professor	B. Sc. Engg. (Met.) M. Tech. (MME) Ph. D (IIT K)	Physical Metallurgy and Metallography, Foundry Technology, Metal Shaping Process, Extractive Metallurgy, Engg. Material and Metallurgy	<b>3</b>	<b>4</b>

<b>Ms. Nandita Gupta</b>	Senior Lecturer	B.E. (Mech.)	Mechanics, Mechanics of Deformable Bodies		<b>1</b>
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## **2. FORGE TECHNOLOGY DEPARTMENT**

Name of Faculty	Designation	Qualifications	Subjects Distribution	No of Papers Published	
				J	C
<b>Dr. N.S. Mishra</b>	Professor Head & CAA	B.Sc. Engg. (Mech.) M. Tech. (IISc.) Ph. D (BHU)	Mechanical Behaviour of Materials, Metal Working Technology, Transport Phenomena	<b>3</b>	<b>3</b>
<b>Dr. M. K. Tiwari</b>	Professor	B.E. (Mech) M.E. (Prod.) Ph.D. (Jadavpur)	Industrial Engineering and Operation Research, Industrial Engineering and Management, Metal Cutting and Machine Tools, Metal Machining Process, Industrial Engineering and MRP, Computer Application in Metallurgy	<b>44</b>	<b>25</b>
<b>Dr. P. Talukdar</b>	Assistant Professor	B.E.(Met.) M.E.(Met) Ph. D. (Jadavpur)	Heat Treatment Technology, Forge Technology, Heat Treatment of Casting and Weldment	<b>2</b>	<b>1</b>
<b>Mr. N.K. Singh</b>	Assistant Professor	B.Sc. Engg. (Mech.) M. Tech. (Foundry-Forge Tech.)	Forge Die Design, FDD and Manufacturing	<b>Nil</b>	<b>6</b>
<b>Dr. Surendra Kumar</b>	Assistant Professor		Adv. Metal Working Technology, M/ C Drawing, Transport Phenomena		
<b>Mr. R.K. Ohdar</b>	Senior Lecturer	B.E. (Indust. Engg.) M. Tech. (Foundry-Forge Tech.)	Metal Setting Process, Forge Technology	<b>3</b>	<b>6</b>
<b>Mr. Manoj Kumar</b>	Senior Lecturer	B.Sc. Engg. (Mech.) M. Tech. (Foundry Forge Tech.)	On QIP Programme	<b>Nil</b>	<b>1</b>

### 3. MATERIALS & METALLURGICAL ENGG. DEPARTMENT

Name of Faculty	Designation	Qualifications	Subjects Distribution	No of Papers Published	
				J	C
<b>Dr. V. K Sinha</b>	Professor	B.Sc.(Met), Ph.D (IITK)	Adv. Physical Metallurgy, Phase Equilibria and Material System	<b>3</b>	<b>2</b>
<b>Dr. B. K. Chakraborty</b>	Professor Head	M.Sc. (Chem.) Ph. D. (IIT Kh.)	Energy Conservation Alt. Energy Source, Refractory Fuels and Furnaces		<b>1</b>
<b>Dr. S.B. Kumar</b>	Assistant Professor	B.Sc. Engg.(Met.) M.Sc. Engg. (Met.) Ph.D. (BHU)	Heat Treatment Technology, Extractive Technology II		<b>4</b>
<b>Mr. B. Mallik</b>	Senior Lecturer	B. Sc. Engg. (Mech.) M.Tech. (Foundry-Forge Tech.)	Quality Assurance and Inspection Method, Mechanical and NDT, Intr. to Manf. , TQM		<b>3</b>
<b>Dr. Y.C. Sharma</b>	Senior Lecturer	M. Sc. (Chem.) Ph. D (BHU)	Chemistry, Environmental Poll and Control, Instrumental Analysis, Mineral Tracing	<b>6</b>	<b>3</b>
<b>Dr. S.R. Kumar</b>	Senior Lecturer	M. Sc. (Physics) Ph. D. (Bhopal)	Material Growth and Characterisation, Engg. Physics, Physics I I	<b>1</b>	<b>3</b>
<b>Mr. Anil Kumar Khandalwal</b>	Senior Lecturer	M.Sc.(Maths) M.Sc. (Physics) M. Phil. (Maths)	Engg. Mathematics , Math I, Maths I I , Maths I I I		<b>2</b>
<b>Mr. Ghanshyam Das</b>	Senior Lecturer	B. Sc. Engg. (Met.)	On QIP Programme		
<b>Mr. Joydeep Maity</b>	Lecturer	B.E. (Met.) M.E. (Met.)	Physical Metallurgy I - I I , Corrosion Sc. And Engg., Unit Process	<b>2</b>	

#### **4. MANUFACTURING ENGINEERING DEPARTMENT**

Name of Faculty	Designation	Qualifications	Subjects Distribution	No of Papers Published	
				J	C
<b>Dr. S. N. Prasad</b>	Professor	B. Sc. Engg.(Met.) Ph. D.(Ranchi)	Forge Die Design, Industrial Organisation and Management, Heat Treatment Technology, Casting Forging and Weldment, Physical Metallurgy and Heat Treatment		
<b>Dr. Sanjay Kumar</b>	Professor Head	B.Tech. (Met. Engg.) M.E. (Mech.) Ph. D. (Ranchi)	Thermodynamics, Quality Assurance and Inspection Method, Metallurgical Thermodynamics, TQM	<b>05</b>	<b>05</b>
<b>Dr. Amitava Mandal</b>	Professor	B. Tech. (Mech.) M. Tech. (Prod. Engg.) Ph. D. (IITD)	Computer Aided Engineering, Modern Machining Process, FEM, Modern Method of Manufacturing, Introduction of Manufacturing, Metal Casting and Welding Technology	<b>11</b>	<b>02</b>
<b>Dr. Sanjay Jayavanth</b>	Professor	B.E. (Electrical) M.E. (Power Electronics) Ph.D. (IIT M)	Electrical Machines, Microprocessor, Electrical Circuit, Introduction to Electronics ckt. , Instrumentation and Control	<b>06</b>	<b>11</b>
<b>Mr. K.K. Verma</b>	Assistant Professor	M. Sc. (Maths) M. Phil. (Computer Science)	Computer Aided Engineering, Industrial Engineering and Operation Research, Quantative Methods and Operation Research, Computer Prgm. , Computer Introduction, Numerical Analysis.	<b>02</b>	<b>02</b>
<b>Ms. S. Gupta</b>	Senior Lecturer	M.A. (English)	Eng. , Economics, Industrial Psychology, Free Elective	<b>NIL</b>	<b>NIL</b>
<b>Mr. Vijay Toppo</b>	Senior Lecturer	B. Sc. Engg. (Mech.) M. Tech. (Mfg. Engg.)	On Deputaion	<b>NIL</b>	<b>NIL</b>



<b>Mr. G. Raja Mohan</b>	Senior Lecturer	B.E. (Mech.) M.E. (Mfg. Tech.)	Computer Aided Engineering, Design of Machine Element, Engineering Metallurgy, Mechanics, Fluid Mechanics, Computer Graphics and CAD	<b>Nil</b>	<b>04</b>
<b>Mr. V. Md. S. Hussain</b>	Lecturer	B.E. (Mech.) M.E. (Prod.)	Modern Machining Process, Workshop Practice I I, Material Handling and Automation, Machine Drawing, Intr. to Manf. , Materials Handling, Engg. Drawing and Practical, Manf. Design and CAE, Metal Shaping Process	<b>NIL</b>	<b>01</b>

\* **J**- Journals, **C**- Conferences